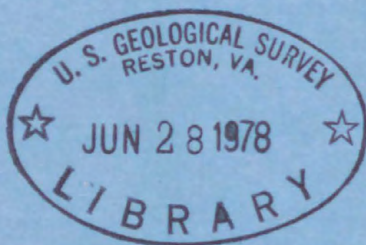


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Water Resources Data for Mississippi Water Year 1977



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT MS-77-1

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

CALENDAR FOR WATER YEAR 1977

1976

OCTOBER

S	M	T	W	T	F	S
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31						

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1977

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AUGUST

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SEPTEMBER

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25	26	27	28	29	30	

Water Resources Data for Mississippi Water Year 1977



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT MS-77-1

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

UNITED STATES DEPARTMENT OF THE INTERIOR

CECIL D. ANDRUS, Secretary

GEOLOGICAL SURVEY

H. William Menard, Director

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

1978

PREFACE

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

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

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CONTENTS

	Page
Preface.....	III
List of hydrologic-data stations, in downstream order, for which records are published.....	VI
Introduction.....	1
Cooperation.....	1
Acknowledgment.....	2
Hydrologic conditions.....	2
Definition of terms.....	2
Downstream order and station numbers.....	6
Numbering system for wells and miscellaneous sites.....	6
Special networks and programs.....	7
Explanation of stage and water-discharge records.....	7
Collection and computation of data.....	7
Accuracy of field data and computed results.....	9
Other data available.....	10
Records of discharge collected by agencies other than the Geological Survey.....	10
Explanation of water-quality records.....	10
Collection and examination of data.....	10
Water analysis.....	10
Water temperatures.....	10
Sediment.....	11
Explanation of ground-water level records.....	11
Collection of the data.....	11
Publications on techniques of water-resources investigations.....	12
Hydrologic-data station records.....	17
Discharge at partial-record stations and miscellaneous sites.....	216
Low-flow partial-record stations.....	216
Crest-stage partial-record stations.....	217
Miscellaneous sites.....	230
Discharge measurements in the Tennessee-Tombigbee study area.....	234
Analyses of samples collected at water-quality partial-record stations.....	239
Analyses of samples collected during short-term intensive studies.....	241
Tallahala Creek near Laurel.....	241
Black Creek near Purvis.....	250
Pascagoula and Escatawpa Rivers.....	254
Back Bay of Biloxi.....	279
Old Fort Bayou near Ocean Springs.....	293
St. Louis Bay and Jourdan River.....	300
Pearl River near Byram.....	315
Tillatoba Creek basin near Charleston.....	323
Little Tangipahoa River near McComb.....	330
Ground-water records.....	339
Ground-water levels.....	339
Quality of ground water.....	390
Analyses of samples in State network.....	390
Field determinations and chloride determinations in Harrison and Jackson Counties.....	396
Analyses of samples in the Tennessee-Tombigbee Study area.....	397
Field determinations in the Tennessee-Tombigbee Study area.....	402
Index.....	405

ILLUSTRATIONS

Figure 1. System for numbering wells and miscellaneous sites.....	7
2. Comparison of discharge at three long-term representative gaging stations during 1977 with median discharge for water years 1941-70.....	13
3. Map showing location of hydrologic-data stations.....	14
4. Map showing location of partial-record stations.....	15
5. Map showing location of observation wells.....	16

VI HYDROLOGIC-DATA STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED

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

	Page
SOUTH ATLANTIC SLOPE AND EASTERN GULF OF MEXICO BASINS	
MOBILE RIVER BASIN	
Mobile River:	
Big Brown Creek (head of Tombigbee River) near Booneville (d).....	17
Little Brown Creek near New Site (d).....	18
Mackeys Creek:	
Pollard Mill Creek near Paden (d).....	19
Mackeys Creek near Dennis (dcbt).....	20
Rock Creek near Belmont (d).....	31
Red Bud Creek near Moores Mill (d).....	33
Tombigbee River:	
Mud Creek near Fairview (d).....	34
Cummings Creek near Fulton (d).....	35
Tombigbee River near Fulton (dc).....	37
Bull Mountain Creek at Tremont (d).....	40
Bull Mountain Creek near Smithville (dc).....	41
Tombigbee River at Bigbee (d).....	43
Town Creek at Eason Boulevard at Tupelo (d).....	44
Town Creek near Nettleton (dc).....	46
Tombigbee River near Amory (dc).....	48
Tombigbee River at Aberdeen (dc).....	51
Nichols Creek near Aberdeen (c).....	54
James Creek at Aberdeen (c).....	55
Buttahatchee River near Aberdeen (d).....	56
Buttahatchee River near Kolola Springs (c).....	57
Tibbee Creek near Tibbee (dc).....	58
Tombigbee River at Columbus (d).....	60
Luxapallila Creek at Steens (d).....	62
Luxapallila Creek near Columbus (dc).....	63
Tombigbee River near Cochrane, AL (d).....	65
Noxubee River at Macon (d).....	66
Noxubee River near Geiger, AL (d).....	67
PASCAGOULA RIVER BASIN	
Leaf River (head of Pascagoula River) near Collins (d).....	68
Bowie Creek near Hattiesburg (d).....	69
Leaf River at Hattiesburg (d).....	70
Tallahala Creek at Waldrup (c).....	72
Tallahala Creek near Sandersville (c).....	73
Tallahala Creek at Laurel (d).....	74
Tallahala Creek near Runnelstown (d).....	75
Bogue Homo near Richton (d).....	76
Leaf River near McLain (d).....	77
Chunky River (head of Chickasawhay River) near Chunky (d).....	78
Okatibbee Creek:	
Sowashee Creek at Meridian (d).....	79
Okatibbee Creek at Arundel (d).....	80
Chickasawhay River at Enterprise (d).....	82
Chickasawhay River at Shubuta.....	84
Chickasawhay River at Waynesboro.....	85
Buckatunna Creek near Denham (d).....	86
Chickasawhay River at Leakesville (d).....	87
Pascagoula River at Merrill (d).....	88
Pascagoula River near Benndale (cbt).....	90
Big Black Creek:	
Black Creek (head of Big Black Creek) near Brooklyn (d).....	99
Cypress Creek near Janice (dcb).....	100
Black Creek near Wiggins (d).....	104
Red Creek at Vestry (d).....	105
Escatawpa River near Agricola (d).....	106
Bluff Creek near Vancleave (d).....	107
BILOXI RIVER BASIN	
Biloxi River at Wortham (d).....	108
WOLF RIVER BASIN	
Wolf River near Landon (d).....	109

PEARL RIVER BASIN

Pearl River at Edinburg (d).....	110
Pearl River near Carthage (d).....	112
Tuscolameta Creek at Walnut Grove (d).....	114
Yockanookany River near Kosciusko (d).....	116
Yockanookany River near Ofahoma (d).....	117
Pearl River at Jackson (d).....	119
Pearl River near Monticello (d).....	121
Whitesand Creek near Oak Vale (d).....	123
Pearl River near Columbia (d).....	124
Pearl River near Bogalusa, LA (d).....	125
Bogue Chitto near Tylertown (d).....	126

OHIO RIVER BASINOhio River:TENNESSEE RIVER BASIN

Tennessee River at Florence, AL (d).....	127
Bear Creek at Bishop, AL (d).....	128
Yellow Creek:	
Little Yellow Creek East near Burnsville (d).....	129
Yellow Creek near Doskie (dcbt).....	130
Yellow Creek at Cross Roads (cs).....	141

LOWER MISSISSIPPI RIVER BASIN

Mississippi River at Memphis, TN (d).....	143
---	-----

YAZOO RIVER BASIN

Little Tallahatchie River (head of Yazoo River) at Etta (d).....	145
Sardis Lake near Sardis.....	146
Little Tallahatchie River at Sardis Dam, near Sardis (d).....	147
Yocona River near Oxford (d).....	148
Enid Lake near Enid.....	149
Yocona River at Enid Dam, near Enid (d).....	150
Coldwater River:	
Arkabutla Lake near Arkabutla.....	151
Coldwater River at Arkabutla Dam, near Arkabutla (d).....	152
Tallahatchie River near Lambert (continuation of Little Tallahatchie River) (d).....	153
Tillatoba Creek below Oakland (d).....	154
South Fork Tillatoba Creek near Charleston.....	156
Tallahatchie River at Swan Lake (d).....	158
Yalobusha River at Calhoun City (d).....	159
Skuna River at Bruce (d).....	160
Grenada Lake near Grenada.....	161
Yalobusha River at Grenada Dam, near Grenada (d).....	162
Yazoo River at Greenwood (d).....	163
Yazoo River near Shell Bluff (cbt).....	164
Yazoo River at Yazoo City (cb).....	175
Big Sunflower River at Sunflower (d).....	178
Yazoo River at Redwood (cb).....	179
Mississippi River at Vicksburg (dcbt).....	182

BIG BLACK RIVER BASIN

Big Black River at West (d).....	193
Big Black River near Bovina (dcbt).....	194

BAYOU PIERRE BASIN

Bayou Pierre near Willows (d).....	203
------------------------------------	-----

HOMOCHITTO RIVER BASIN

Homochitto River at Eddiceton (d).....	204
Homochitto River at Rosetta (dcbt).....	205

BUFFALO RIVER BASIN

Buffalo River near Woodville (d).....	214
---------------------------------------	-----

MISSISSIPPI RIVER DELTA

Amite River near Darlington, LA (d).....	215
--	-----

WATER RESOURCES DATA FOR MISSISSIPPI, 1977

INTRODUCTION

Water resources data for the 1977 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 85 gaging stations; stage records for 15 of these gaging stations; stage only records for 3 gaging stations; contents for 4 lakes; water quality for 25 gaging stations, 2 partial-record stations, and 169 wells; and water levels for 186 observation wells. Also included are data for 138 crest-stage partial-record stations. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Mississippi.

Records of discharge (or stage) of streams, and contents (or stage) of lakes and reservoirs were first published in a series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States." Through water year 1960, these water-supply papers were in an annual series and then in a 5-year series for 1961-65 and 1966-70. Records of chemical quality, water temperatures, and suspended sediment were published from 1941 to 1970 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled, "Ground-Water Levels in the United States."

For water years 1961 through 1974, streamflow data were released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records for water years 1964 through 1974 were similarly released either in separate reports or in conjunction with streamflow records. Beginning with the 1975 water year, water data for streamflow, water quality, and ground water are published as an official Survey report on a State-boundary basis. These official Survey reports carry an identification number consisting of the two letter State abbreviation, the last two digits of the water year, and the volume number. For example, this report is identified as "U.S. Geological Survey Water-Data Report MS-77-1." Water-Data reports are for sale by the National Technical Information Service, U.S. Department of Commerce, Springfield, Virginia, 22161.

COOPERATION

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

- Mississippi Board of Water Commissioners,
Jack W. Pepper, Water Engineer.
- Mississippi State Highway Department,
John R. Tabb, Director.
- Mississippi Research and Development Center,
Dr. Kenneth C. Wagner, Director.
- Mississippi Air and Water Pollution Control Commission,
Charles Chisolm, Acting Director
- Pat Harrison Waterway District,
Pat W. Sellers, Executive Director.
- Pearl River Valley Water Supply District,
R. B. Lampton, President.
- Harrison County Development Commission,
Tommy Munroe, President.
- Jackson County Port Authority,
Jacob L. Lockard, Chairman
- City of Jackson, Dale Danks, Jr., Mayor.

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

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

ACKNOWLEDGMENT

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

HYDROLOGIC CONDITIONS

Streamflow for the 1977 water year was very slightly above the normal in the northern and central parts of the state and moderately above normal in south Mississippi.

As is shown in figure 2, except for February, March, and April, monthly mean discharges at three gaging stations located in the northern, central, and southern parts of the state, followed very closely the patterns of the corresponding monthly median discharges. In February, however, streamflow was deficient (in the lower 25 percent of record) throughout the state. In March, and to slightly less degree in April, the reverse was true and streamflow was excessive (in the upper 25 percent of record).

It is interesting to note that, during the months of March and April 55 percent of the total yearly runoff occurred, whereas in a "normal" year, only about 30 percent of the annual flow would occur in these months.

Water levels in shallow (less than 200 ft) wells were about normal during the 1977 water year. Potentiometric levels in the deeper artesian aquifers continued to decline about a foot per year except in areas of heavy ground-water withdrawals where the decline was several feet.

DEFINITION OF TERMS

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

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet, 325,851 gallons, or 1,233 cubic meters.

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

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

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

Bacteria are microscopic unicellular organisms, typically spherical, rod-like, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, others perform an essential role in nature in the recycling of materials; for example, by decomposing organic matter into a form available for reuse by plants.

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria which ferment lactose with gas formation within 48 hours at 35°C. In the laboratory these bacteria are defined as all the organisms which produce colonies with a golden-green metallic sheen within 24 hours when incubated at 35°C + 1.0°C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

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

Fecal streptococcal bacteria are bacteria found also in the intestine of warmblooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies within 48 hours at 35°C + 1.0°C on M-enterococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Bed material is the unconsolidated material of which a streambed, lake, pond, reservoir, or estuary bottom is composed.

Biochemical oxygen demand (BOD) is a measure of the quantity of dissolved oxygen, in milligrams per liter, used for the decomposition of organic matter by microorganisms, such as bacteria.

Biomass is the amount of living matter present at any given time, expressed as the weight per unit area or volume of habitat.

Ash mass is the mass or amount of residue present after the residue from the dry mass determination has been ashed in a muffle furnace at a temperature of 500°C for 1 hour. The ash mass values of zooplankton and phytoplankton are expressed in grams per cubic meter (g/m^3), and periphyton and benthic organisms in grams per square meter (g/m^2).

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

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

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

Bottom material: See Bed material.

Cells/volume refers to the number of cells of any organism which is counted by using a microscope and grid or counting cell. Many planktonic organisms are multicelled and are counted according to the number of contained cells per sample, usually milliliters (mL) or liters (L).

CFS-day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 1.9835 acre-feet, about 646,000 gallons, or 2,447 cubic meters.

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

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

Color unit is produced by one milligram per liter of platinum in the form of the chloroplatinate ion. Color is expressed in units of the platinum-cobalt scale.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

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

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

Cubic foot per second (ft^3/s , ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

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

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

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

Dissolved refers to the amount of a substance present in true chemical solution. In practice, however, the term includes all forms of the substance that will pass through a 0.45-micrometer membrane filter, and thus may include some very small (colloidal) suspended particles. Analyses are performed on filtered samples.

Drainage area of a stream at a specified location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the stream above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

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

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

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

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

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

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

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

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

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

Milligrams per liter (MG/L, mg/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per liter represent the mass of solute per unit volume (liter) of water. Concentration of suspended sediment also is expressed in mg/L, and is based on the mass of sediment per liter of water-sediment mixture.

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

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

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

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

Partial-record station is a particular site where limited streamflow and/or water-quality data are collected systematically over a period of years for use in hydrologic analyses.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Sodium adsorption ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions with soil and is an index of sodium or alkali hazard to the soil. This ratio should be known especially for water used for irrigating farmland.

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

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

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

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

Substrate is the physical surface upon which an organism lived.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

DOWNSTREAM ORDER AND STATION NUMBER

Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary that enters between two main-stream stations is listed between them. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary on which a station is situated with respect to the stream to which it is immediately tributary is indicated by an indentation in a list of stations in the front of the report. Each indentation represents one rank. This downstream order and system of indentation show which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

As an added means of identification, each hydrologic station and partial-record station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station such as 03041000, which appears just to the left of the station name, includes the 2-digit part number "03" plus the 6-digit downstream order number "041000".

NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

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

The well and miscellaneous site numbering system of the U.S. Geological Survey is based on the grid system of latitude and longitude. The system provides the geographic location of the well or miscellaneous site and a unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, the next 7 digits denote degrees, minutes, and seconds of longitude, and the last 2 digits (assigned sequentially) identify the wells or other sites within a 1-second grid. See figure 1 below.

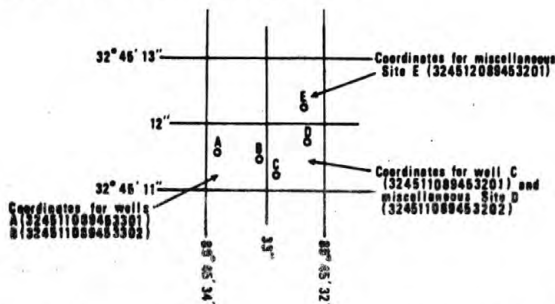


Figure 1.--System for numbering wells and miscellaneous sites (latitude and longitude)

SPECIAL NETWORK AND PROGRAMS

Hydrologic bench-mark station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from manmade changes in other basins which have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin. Station 02479155, Cypress Creek near Janice, has been designated as a Hydrologic bench-mark station.

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

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

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

Radiochemical program is a network of regularly sampled water-quality stations where additional samples are collected twice a year (at high and low flow) to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

EXPLANATION OF STAGE AND WATER-DISCHARGE RECORDS

Collection and computation of data

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from either direct readings on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at selected time intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey. These methods are described in standard textbooks, in Water-Supply Paper 888, and in U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6.

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating curves are necessary to express discharge greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), step-backwater techniques, velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharges are computed from the daily figures. If the stage-discharge relation is subject to change because

of frequent or continual change in the physical features that form the control, the daily mean discharge is computed by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

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

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

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

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

For some gaging stations there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods the daily discharges are estimated on the basis of recorded range in stage, prior and subsequent records, discharge measurements, weather records, and comparison with stations in the same or nearby basins. Likewise daily contents may be estimated on the basis of operator's log, adjoining good record, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals a table showing the daily discharge and monthly and yearly discharge is given. For gaging stations on lakes and reservoirs a monthly summary table of stage and contents or a table showing the daily contents is given. Tables of daily mean gage heights are included for some streamflow stations. Records are published for the water year, which begins on October 1 and ends on September 30. A calendar for the current water year is shown on the reverse side of the front cover to facilitate finding the day of the week for any date.

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

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

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

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

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

The daily table for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also may be expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN"), or in acre-feet (line headed "AC-FT"). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion, if the drainage area includes large noncontributing areas, or if the average annual rainfall over the drainage basin is usually less than 20 inches. In the yearly summary below the monthly summary, the figures shown are the appropriate daily discharges for the calendar and water years.

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

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

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

Accuracy of field data and computed results

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

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

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 cfs; to tenths between 1.0 and 10 cfs; to whole numbers between 10 and 1,000 cfs; to 3 significant figures between 1,000 and 1,000,000 cfs; and to 4 significant figures above 1,000,000 cfs. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations and miscellaneous sites.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes or to other factors. For such stations, figures of cubic feet per second per square mile and of runoff in inches are not for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Other data available

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

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

Records of discharge collected by agencies other than the Geological Survey

Records of discharge not published by the Geological Survey were collected in Mississippi at 6 sites during the water year by the following agencies: Records of daily discharge were collected at 5 sites by the Agricultural Research Service, U.S. Department of Agriculture; and at 1 site by the Corps of Engineers, U.S. Army. In addition, records of stage, with periodic discharge observations, were also collected by the Corps of Engineers at approximately 40 additional sites. Information on specific sites can be obtained from the district office of the U.S. Geological Survey at the address given on page II of this report.

EXPLANATION OF WATER-QUALITY RECORDS

Collection and examination of data

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

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

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

Water analysis

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

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

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

For chemical-quality stations equipped with digital monitors, the records consist of daily maximum, minimum, and mean values for each constituent measured, except only maximum and minimum values of pH, and are based upon hourly punches beginning at 0100 hours and ending at 2400 hours for the day of record. For stations where Hach "Surface Scatter" turbidimeters are on-line with digital monitors, maximum, minimum and mean turbidity values are obtained. Turbidity values for periodic measurements are laboratory measurements. The laboratory and digital monitor turbidimeters are designed to give comparable turbidity values, however, the laboratory turbidimeter is more sensitive to low turbidities and turbidities in this range may differ. More detailed records (hourly values) may be obtained from the district office.

Water temperature

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at time of discharge measurements for water-discharge stations. For stations where water temperatures are taken manually once or twice daily, the water temperatures are taken at about the same time each day. Large streams have a small diel temperature change; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

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

Sediment

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

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

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

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

EXPLANATION OF GROUND-WATER LEVEL RECORDS

Collection of the data

Ground-water level data presented herein is from a state-wide network of observation wells. These water-level measurements are intended to provide a sampling and historical record of water-level changes in the most important aquifers in Mississippi.

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

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

Water-level measurements in this report are given in feet with reference to land-surface datum (1sd). Land-surface datum is a datum plane that is approximately at land surface at each well. If known, the altitude of the land-surface datum above mean sea level is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported for every fifth day and the end of each month (eom).

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

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

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

- 1-D1. *Water temperature-influential factors, field measurement, and data presentation*, by H. H. Stevens Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 p. \$1.60.
- 2-D1. *Application of surface geophysics to ground-water investigations*, by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages. \$1.90.
- 2-E1. *Application of borehole geophysics to water-resources investigations*, by W. S. Keys and L. M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages. \$1.75.
- 3-A1. *General field and office procedures for indirect discharge measurements*, by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages. \$0.25.
- 3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages. \$0.20.
- 3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages. \$0.40.
- 3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages. \$1.00.
- 3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages. \$0.30.
- 3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6, 1968, 13 pages. \$0.20.
- 3-A7. *Stage measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages. \$0.45.
- 3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages. \$1.25.
- 3-A11. *Measurement of discharge by moving-boat method*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages. \$0.40.
- 3-A12. *Fluorometric procedures for dye tracing*, by J. F. Wilson Jr.: USGS--TWRI Book 3, Chapter A12. 1968. 31 pages. \$0.35. Not currently available.
- 3-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages \$0.70.
- 3-B2. *Introduction to ground-water hydraulics-a programed text for self-instruction*, by G. D. Bennett: USGS--TWRI Book 3, Chapter B2 1976. 172 pages.
- 3-C1. *Fluvial sediment concepts*, by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages. \$0.65.
- 3-C2. *Field methods for measurement of fluvial sediment*, by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2, 1970. 59 pages \$0.70.
- 3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages. \$1.15.
- 4-A1. *Some statistical tools in hydrology*, by H. C. Riggs: USGS--TWRI Book 4 Chapter A1. 1968. 39 pages. \$0.30.
- 4 A2. *Frequency curves*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages. \$0.20.
- 4-B1. *Low-flow investigations*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972, 18 pages. \$0.65.
- 4-B2. *Storage analyses for water supply*, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages. \$0.75.
- 4-B3. *Regional analyses of streamflow characteristics*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages. \$0.75.
- 4-D1. *Computation of rate and volume of stream depletion by wells*, by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages. \$0.65.
- 5-A1. *Methods for collection and analysis of water samples for dissolved minerals and gases*, by Eugene Brown, M. W. Skougstad, and M. J. Fishman: USGS--TWRI Book 5, Chapter A1. 1970. 160 pages \$2.40.
- 5-A2. *Determination of minor elements in water by emission spectroscopy*, by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages. \$0.80.
- 5-A3. *Methods for analysis of organic substances in water*, by D. F. Goerlitz and Eugene Brown: USGS--TWRI Book 5, Chapter A3. 1972. 40 pages. \$0.90.
- 5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, by K. V. Slack, R. C. Averett, P. E. Greeson, and R. G. Lipscomb: USGS--TWRI Book 5, Chapter A4. 1973. 165 pages. \$1.95.
- 5-C1. *Laboratory theory and methods for sediment analysis*, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages. \$0.65.
- 7-C1. *Finite-difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P. C. Trescott, G. F. Pinder, and S. P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.
- 8-A1. *Methods of measuring water levels in deep wells*, by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages. \$0.70.
- 8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages. \$0.40.

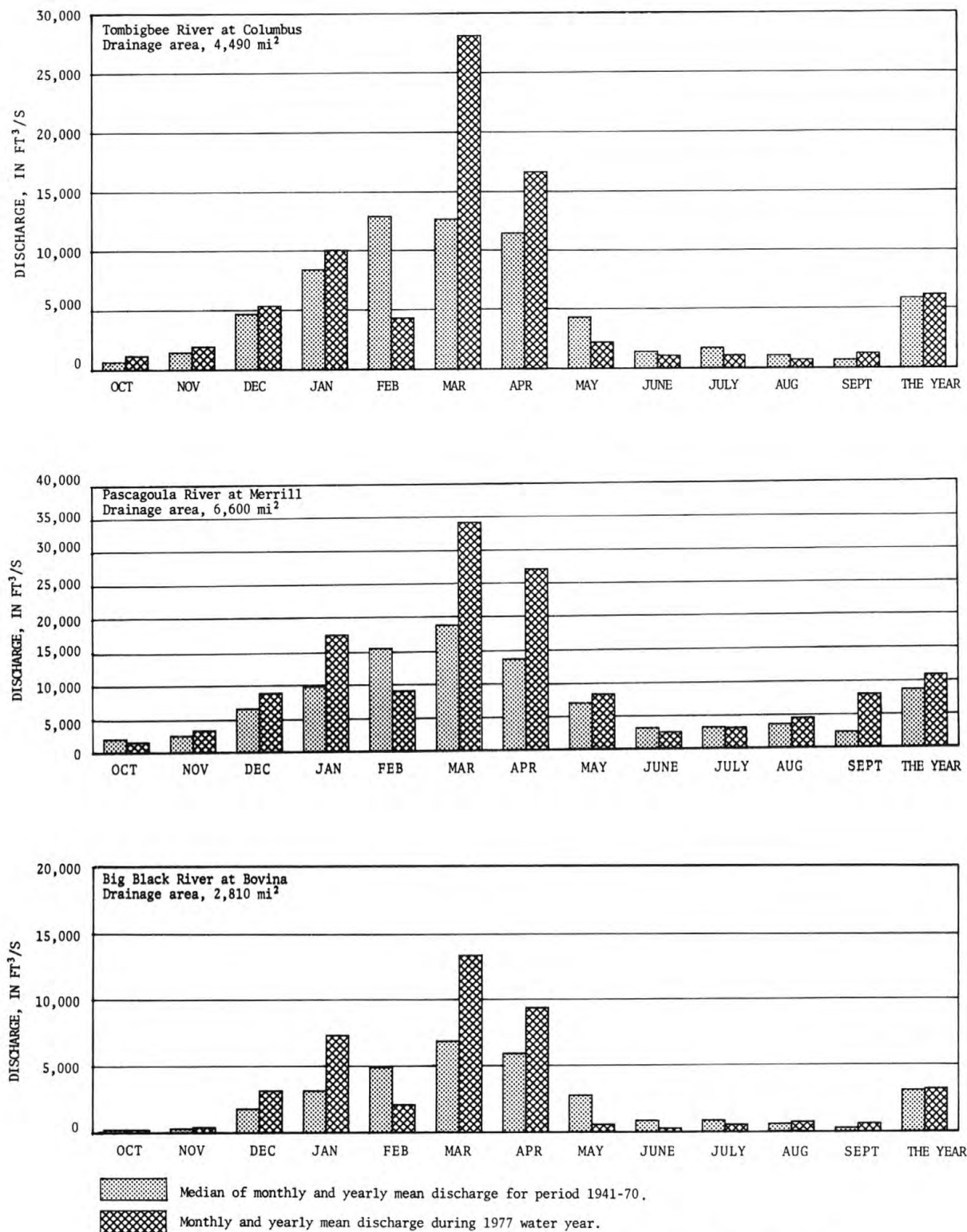


FIGURE 2.--Discharge during 1977 water year compared with median discharge for period 1941-70 for three representative gaging stations.

LOCATION OF HYDROLOGIC-DATA STATIONS

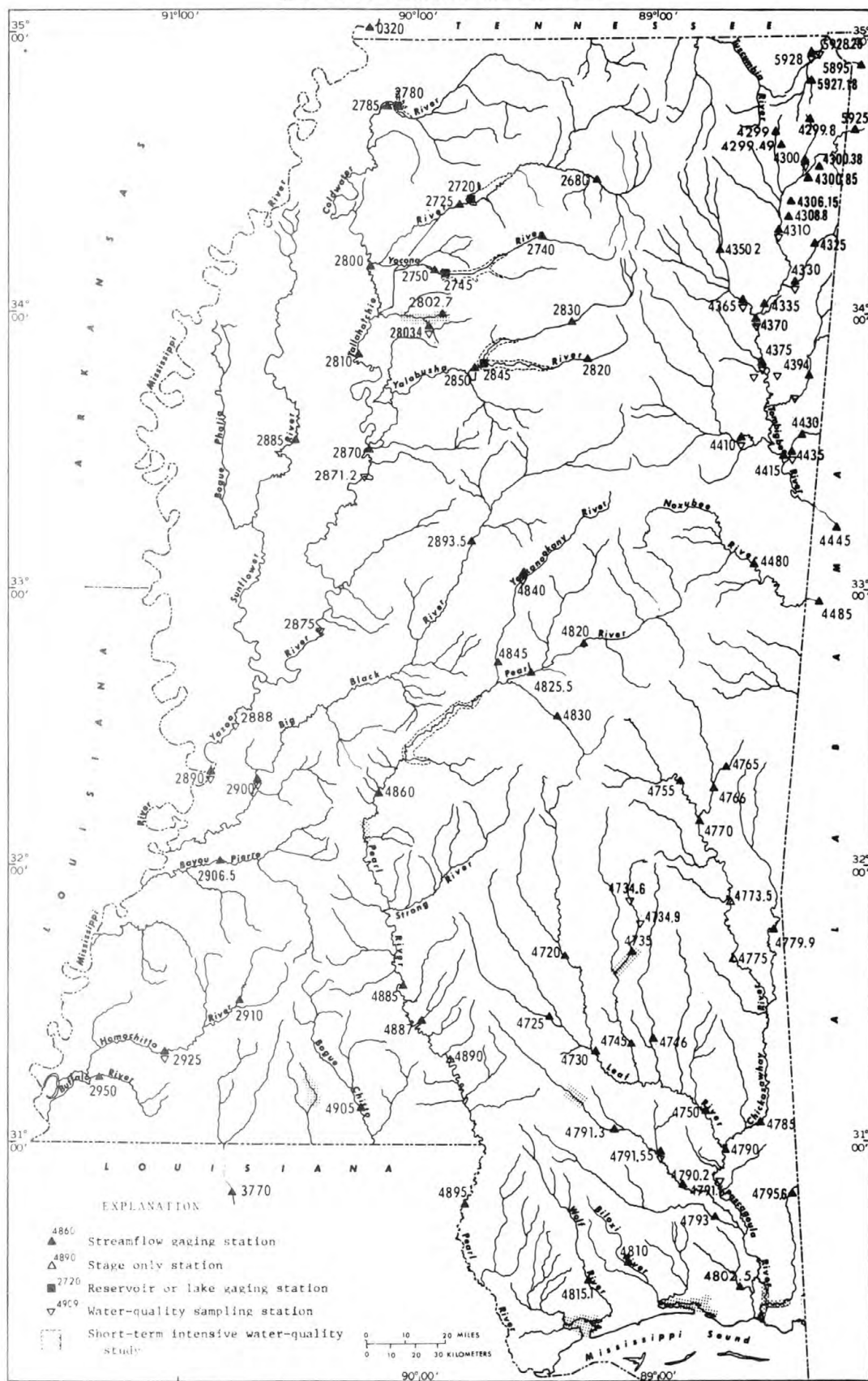


Figure 3.--Map showing location of hydrologic-data stations.

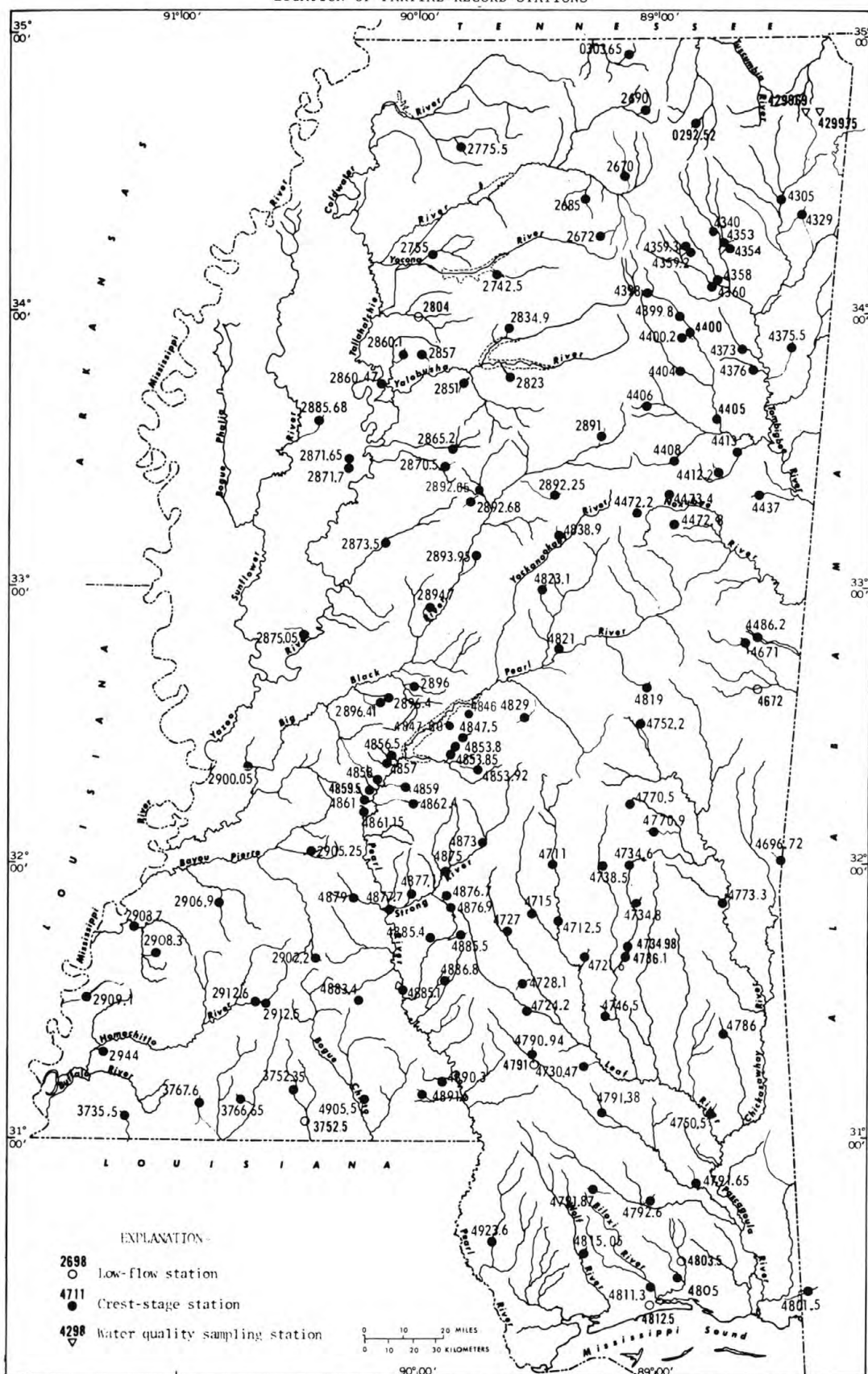


Figure 4.--Map showing location of partial-record stations.

LOCATION OF OBSERVATION WELLS

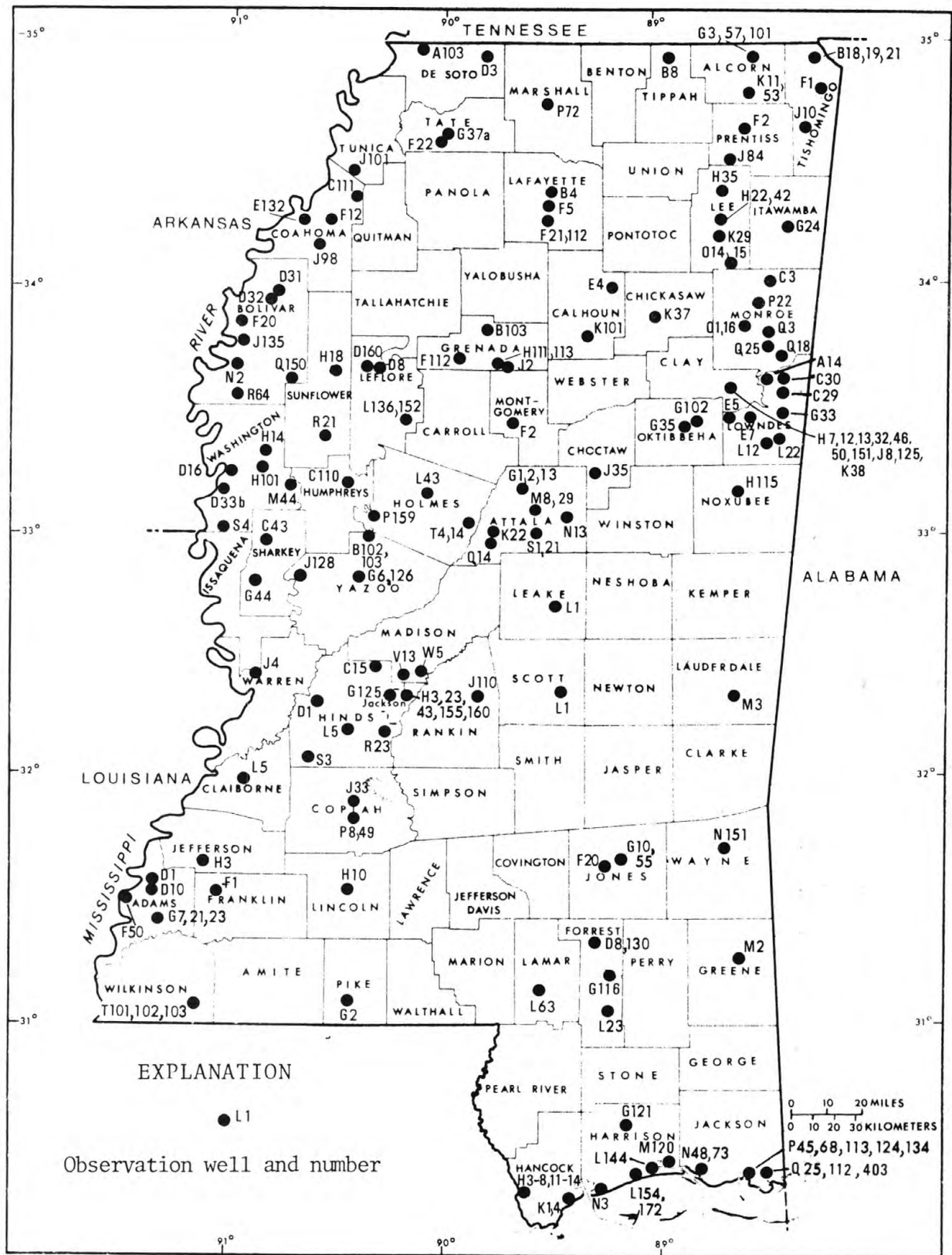


Figure 5.--Location of observation wells in Mississippi, 1977.

HYDROLOGIC-DATA STATION RECORDS

17

EASTERN GULF OF MEXICO BASINS

MOBILE RIVER BASIN

02429900 BIG BROWN CREEK NEAR BOONEVILLE, MS

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

DRAINAGE AREA.--27.0 mi² (69.9 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 327.01 ft (99.673 m) above mean sea level (levels by Corps of Engineers). Prior to June 1973, crest-stage gage at site 0.4 mi (0.6 km) upstream at different datum.

REMARKS.--Records fair.

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

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

Date	Time	Discharge (ft ³ /s)	(m ³ /s)	Gage height (ft)	(m)	Date	Time	Discharge (ft ³ /s)	(m ³ /s)	Gage height (ft)	(m)
Mar. 4	0245	1240	60.6	19.01	5.794	Apr. 4	1345	1630	46.2	17.41	5.307

Minimum discharge, 0.16 ft³/s (0.005 m³/s) Sept. 2, 3, 4; minimum gage height, 3.77 ft (1.149 m) Oct. 5.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	11	15	14	10	31	31	23	7.4	1.3	2.0	.19
2	1.1	7.6	15	14	10	27	36	21	5.1	1.2	1.3	.19
3	.88	6.4	13	13	12	360	147	103	4.3	1.3	1.0	.19
4	.88	5.3	11	15	14	1180	1020	138	3.7	1.2	.80	.16
5	.88	4.7	10	18	12	181	209	47	3.5	1.1	.70	.29
6	4.9	4.7	11	28	9.8	117	110	31	3.0	1.0	.64	1.1
7	2.8	4.7	18	30	9.3	93	84	24	2.7	.92	.58	.81
8	1.7	4.7	11	19	10	78	66	20	2.5	.90	.56	.63
9	1.5	4.6	8.3	136	9.3	70	58	17	2.4	1.5	.54	.52
10	1.3	4.7	7.4	53	8.6	65	52	14	2.3	1.3	.57	.47
11	1.1	4.8	9.3	32	16	66	47	13	2.2	1.1	.52	.42
12	1.0	6.2	35	29	45	453	42	11	2.1	1.0	.47	.33
13	.95	5.0	22	25	32	132	38	10	3.0	.94	.37	.47
14	.88	6.0	15	152	26	92	35	9.0	5.5	.90	.33	3.6
15	.95	7.6	14	61	21	77	32	8.0	4.4	.86	.29	2.5
16	.88	5.3	12	37	18	66	29	7.0	3.7	.80	.47	.95
17	1.3	4.7	10	27	19	62	26	6.4	14	.76	.52	.75
18	1.3	4.7	10	23	19	58	24	6.0	10	.74	.95	.63
19	1.0	4.7	8.8	20	17	49	23	5.8	4.2	.70	.69	3.0
20	5.4	5.8	14	17	16	47	20	4.8	3.0	.80	.47	2.0
21	3.9	6.8	9.3	15	15	44	36	4.4	2.6	1.2	.37	.81
22	1.9	4.8	7.4	13	17	39	184	4.6	2.5	1.3	.37	.57
23	1.7	4.6	7.8	12	65	36	86	4.4	2.4	.90	.29	.47
24	40	4.6	6.2	19	78	35	64	4.4	2.2	.80	.33	2.2
25	112	4.8	4.6	17	28	34	48	4.4	2.9	.80	.25	130
26	23	27	27	14	50	32	40	4.0	5.6	.90	.25	23
27	9.0	32	16	15	90	35	35	3.3	4.3	.80	.22	86
28	5.1	44	13	13	39	56	31	3.0	2.7	.76	.22	18
29	4.4	28	10	12	---	43	28	3.0	1.8	.80	.22	23
30	54	17	10	11	---	36	26	2.9	1.3	2.0	.22	14
31	21	---	19	10	---	30	---	29	---	1.5	.19	---
TOTAL	308.20	286.8	441.5	914	716.0	3724	2707	586.4	117.3	32.08	16.70	317.25
MEAN	9.94	9.56	14.2	29.5	25.6	120	90.2	18.9	3.91	1.03	.54	10.6
MAX	112	44	46	152	90	1180	1020	138	14	2.0	2.0	130
MIN	.88	4.6	6.2	10	8.6	27	20	2.9	1.3	.70	.19	.16
CFSM	.37	.35	.53	1.09	.95	4.44	3.34	.70	.15	.04	.02	.39
IN.	.42	.40	.61	1.26	.99	5.13	3.73	.81	.16	.04	.02	.44

CAL YR 1976	TOTAL	13311.34	MEAN 36.4	MAX 599	MIN .51	CFSM 1.35	IN 18.34
WTR YR 1977	TOTAL	10167.23	MEAN 27.9	MAX 1180	MIN .16	CFSM 1.03	IN 14.01

MOBILE RIVER BASIN

02429949 LITTLE BROWN CREEK NEAR NEW SITE, MS

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

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

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

GAGE.--Water-stage recorder. Datum of gage on main channel is 312.64 ft (95.29 m) above mean sea level (levels by Corps of Engineers). Water-stage recorder on West Canal Little Brown Creek, 0.2 mi (0.3 km) northwest of base gage.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,240 ft³/s (120 m³/s) Mar. 13, 1975, gage height, 13.86 ft (4.22 m); minimum daily, 6.8 ft³/s (0.193 m³/s) Sept. 4, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,640 ft³/s (74.8 m³/s) Mar. 4, gage height, 13.15 ft (4.008 m), only peak above base of 1,600 ft³/s (45.3 m³/s); minimum daily, 6.8 ft³/s (0.193 m³/s) Sept. 4.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	30	36	37	33	67	44	33	22	12	11	7.1
2	13	27	34	32	32	54	50	30	16	12	9.9	6.9
3	13	25	32	37	33	350	120	48	15	11	9.1	6.9
4	12	24	30	43	34	2010	994	165	14	11	9.0	6.8
5	13	23	30	46	33	414	716	66	13	11	9.0	8.5
6	24	23	32	55	31	174	175	46	12	11	8.6	13
7	16	23	40	74	31	119	113	39	12	10	8.4	11
8	14	23	33	47	29	97	88	36	11	10	8.2	9.0
9	14	23	29	253	30	84	72	36	11	20	8.2	8.1
10	13	24	29	154	29	77	62	28	11	40	8.3	8.1
11	13	24	31	81	30	77	55	25	10	16	8.4	7.6
12	13	28	63	56	41	712	49	23	9.9	13	8.2	7.4
13	13	25	44	48	43	266	45	22	15	12	8.0	8.4
14	13	28	35	183	34	137	43	21	37	11	7.9	22
15	12	29	32	116	35	102	40	21	16	11	8.0	16
16	12	26	30	70	32	85	37	19	15	11	8.4	10
17	13	24	28	56	31	75	35	19	100	11	8.3	9.2
18	13	25	27	51	31	70	33	18	47	11	9.0	8.9
19	13	25	27	46	29	62	31	17	29	10	8.2	22
20	24	29	106	42	28	61	29	17	18	11	8.0	16
21	18	30	45	38	28	56	49	16	15	9.9	7.9	9.5
22	16	26	35	36	28	53	270	16	14	10	7.7	8.8
23	15	24	32	35	58	48	148	16	13	10	7.8	8.5
24	62	26	31	48	173	47	126	16	13	9.8	7.9	14
25	169	24	144	51	70	46	71	22	12	9.4	7.8	251
26	44	55	88	46	89	45	55	23	22	10	7.8	265
27	27	71	58	47	238	46	46	18	16	9.4	7.7	178
28	23	102	47	43	92	80	42	17	15	9.3	7.6	61
29	22	72	39	39	---	66	39	17	14	12	7.6	45
30	126	42	38	36	---	52	37	16	13	11	7.5	36
31	44	---	48	35	---	45	---	88	---	10	7.3	---
TOTAL	850	980	1353	1981	1429	5677	3714	994	580.9	375.8	256.7	1089.7
MEAN	27.4	32.7	43.6	63.9	51.0	183	124	32.1	19.4	12.1	8.28	36.3
MAX	169	102	144	253	238	2010	994	165	100	40	11	265
MIN	12	23	27	32	28	45	29	16	9.9	9.3	7.3	6.8
CFSM	.65	.78	1.04	1.52	1.21	4.35	2.95	.76	.46	.29	.20	.86
IN.	.75	.87	1.20	1.75	1.26	5.02	3.28	.88	.51	.33	.23	.96
CAL YR 1976	TOTAL	20047.0	MEAN	54.8	MAX	682	MIN	11	CFSM	1.30	IN	17.71
WTR YR 1977	TOTAL	19281.1	MEAN	52.8	MAX	2010	MIN	6.8	CFSM	1.25	IN	17.04

19

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

GAGE.--Water-stage recorder and culvert control.

REMARKS. - - Records good.

AVERAGE DISCHARGE.--5 years, 7.72 ft³/s (0.219 m³/s), 51.14 in/yr (1299 mm/yr).

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 322 ft³/s (9.12 m³/s) Sept. 25, gage height, 4.92 ft (1.500 m) from rating extended above 20 ft³/s (0.57 m³/s) on basis of computation of peak flow through culvert; minimum, 2.4 ft³/s (0.068 m³/s) Aug. 7, 8, gage height, 2.41 ft (0.735 m).

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.6	5.0	5.5	4.6	3.8	5.0	3.8	4.6	4.6	3.8	3.0	3.0
2	4.2	4.2	5.0	4.6	3.8	4.6	4.2	4.6	4.2	3.8	3.0	3.0
3	4.2	3.8	4.6	4.6	3.8	53	24	4.6	4.2	3.4	3.0	3.0
4	4.2	3.8	4.6	5.5	3.8	60	61	6.0	4.2	3.4	3.0	3.0
5	4.2	4.2	4.5	5.5	3.8	12	14	5.5	4.2	3.4	3.0	3.4
6	9.8	4.2	4.3	7.2	3.8	8.4	8.4	5.0	3.8	3.4	2.7	3.4
7	5.5	4.2	4.1	7.2	3.8	6.6	7.2	4.6	3.8	3.4	2.7	3.8
8	5.0	4.2	3.9	6.0	3.8	5.5	6.0	4.6	3.8	3.0	2.7	3.8
9	4.6	4.2	3.8	24	3.8	5.5	5.5	4.6	3.8	5.0	2.7	3.4
10	4.6	4.2	3.8	9.8	3.8	5.0	5.5	4.2	3.8	3.8	2.7	3.4
11	4.2	4.2	5.0	6.6	3.8	6.0	5.0	4.2	3.4	3.0	3.0	3.0
12	4.2	5.0	7.8	5.0	6.0	31	4.6	4.2	3.4	3.0	3.0	3.0
13	4.2	4.6	6.0	4.6	4.6	7.2	4.6	4.2	5.0	3.0	3.0	5.0
14	4.2	5.0	5.0	17	4.2	6.0	4.6	4.2	5.0	3.0	3.0	6.0
15	4.2	5.5	4.6	9.1	3.8	5.5	4.6	4.2	4.6	3.0	3.4	4.2
16	4.2	4.6	4.6	6.6	3.8	4.6	4.2	4.2	4.6	3.0	3.0	4.2
17	4.2	4.6	4.2	5.4	3.8	4.6	4.2	3.8	7.2	3.0	3.8	3.8
18	4.2	4.6	4.2	5.0	3.8	4.6	3.8	4.2	6.0	3.4	3.4	3.8
19	4.6	4.6	4.2	4.6	3.8	4.2	3.8	4.2	4.6	3.4	3.4	5.5
20	7.8	4.6	11	4.4	4.2	4.2	4.2	4.2	4.2	3.0	3.0	4.2
21	5.0	5.0	6.0	4.2	4.6	4.2	7.8	4.2	3.8	3.0	3.0	3.8
22	4.6	4.6	4.6	3.8	4.6	4.2	9.8	4.2	3.8	3.0	3.0	3.8
23	5.0	4.6	4.6	3.8	11	3.8	7.8	3.8	3.4	3.4	3.0	3.8
24	25	4.6	4.2	6.0	11	3.8	6.6	4.2	3.4	3.0	3.0	6.6
25	31	4.6	14	4.6	6.0	3.8	6.0	7.2	5.0	3.0	3.0	7.6
26	7.8	4.6	7.2	4.2	7.2	3.8	5.5	3.8	5.0	6.0	3.0	11
27	5.5	13	6.0	4.6	17	4.2	5.0	4.2	3.8	3.0	3.0	22
28	5.0	7.8	5.5	4.2	6.6	7.2	5.0	4.2	3.4	3.4	3.0	7.2
29	5.5	11	5.0	3.8	---	4.6	5.0	4.2	3.4	3.8	3.0	9.8
30	24	8.4	5.0	3.8	---	4.2	5.0	8.4	3.4	3.4	3.0	6.6
31	8.4	---	6.6	3.8	---	3.8	---	13	---	3.4	3.0	---
TOTAL	223.7	157.5	169.4	194.1	147.8	291.1	246.7	153.3	126.8	105.6	93.5	226.5
MEAN	7.22	5.25	5.46	6.26	5.28	9.39	8.22	4.95	4.23	3.41	3.02	7.55
MAX	31	13	14	24	17	60	61	13	7.2	6.0	3.8	7.6
MTN	4.2	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.4	3.0	2.7	3.0
CFM	3.52	2.56	2.66	3.05	2.58	4.58	4.01	2.42	2.06	1.66	1.47	3.68
IN.	4.06	2.86	3.07	3.52	2.68	5.28	4.47	2.78	2.30	1.92	1.70	4.11

CAL	YR 1976	TOTAL	2163.4	MEAN 5.91	MAX 44	MIN 3.4	CFSM 2.88	IN 39.26
WTR	YR 1977	TOTAL	2136.0	MEAN 5.85	MAX 76	MIN 2.7	CFSM 2.85	IN 38.74

MOBILE RIVER BASIN

02430000 MACKEYS CREEK NEAR DENNIS, MS

LOCATION.--Lat 34°31'34", long 88°19'22", in NE&SW¼ sec.26, T.6 S., R.9 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 03160101, on left bank at downstream side of old crossing 0.1 mi (0.2 km) downstream from bridge on State Highway 4 at Narrows dam site, 6 mi (10 km) southwest of Dennis, and 10 mi (16 km) upstream from confluence with Big Brown Creek.

DRAINAGE AREA.--66.8 mi² (173 km²).

WATER-DISCHARGE RECORDS

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

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

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

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

AVERAGE DISCHARGE.--40 years, 106 ft³/s (3.002 m³/s), 21.55 in/yr (547 mm/yr).

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

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

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Mar. 4	1445	*2870 81.3	17.24 5.255	Apr. 5	0415	2110 59.8	15.08 4.596

Minimum discharge, 24 ft³/s (0.680 m³/s) Aug. 31, gage height, 2.03 ft (0.619 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	130	100	402	69	119	81	69	115	34	43	25
2	49	100	95	166	70	102	89	65	57	38	38	25
3	47	80	93	126	74	261	154	89	49	37	36	25
4	45	74	93	106	76	2210	989	136	46	34	34	25
5	43	69	79	53	75	1100	1600	116	43	32	33	26
6	89	67	79	86	72	363	424	81	40	31	32	49
7	85	65	96	82	68	217	209	70	38	30	32	49
8	61	63	86	90	66	163	161	66	35	30	31	45
9	57	63	76	150	68	140	136	64	34	32	30	40
10	52	64	73	270	69	125	121	57	36	46	30	39
11	49	65	77	170	68	126	109	54	33	46	36	41
12	48	72	121	120	92	444	100	54	31	41	32	34
13	46	69	116	104	100	320	96	52	31	41	30	35
14	46	71	89	215	79	190	92	51	56	38	28	43
15	44	79	41	232	72	150	87	50	58	35	29	48
16	43	72	77	135	68	130	81	49	52	33	31	48
17	45	66	73	92	69	117	77	47	71	32	33	50
18	46	64	72	92	67	113	75	45	134	34	44	45
19	45	64	71	102	66	103	74	44	252	39	37	57
20	90	74	219	69	64	104	72	43	87	40	32	30
21	82	83	158	97	64	97	78	44	54	40	30	62
22	60	70	97	88	64	95	280	41	51	38	28	51
23	54	65	93	82	84	98	175	41	46	37	28	43
24	82	63	83	107	271	46	160	41	42	36	23	44
25	355	63	179	110	127	45	111	54	40	35	27	193
26	350	89	235	92	120	84	91	83	47	35	26	557
27	119	190	128	56	362	84	82	58	59	36	26	423
28	86	199	106	91	176	121	76	50	48	42	25	349
29	170	211	142	76	---	141	72	47	41	50	25	133
30	360	114	109	71	---	98	72	72	37	41	25	153
31	210	---	198	73	---	86	---	183	---	39	25	---
TOTAL	3000	2622	3374	3905	2720	7712	6024	2016	1767	1152	964	2926
MEAN	96.8	87.4	109	126	97.1	249	201	65.0	58.4	37.2	31.1	97.5
MAX	360	211	235	402	362	2210	1600	183	252	50	44	557
MIN	43	63	71	71	64	84	72	41	31	30	25	25
CFSM	1.45	1.31	1.63	1.89	1.45	3.73	3.01	.97	.88	.56	.47	1.46
IN	1.67	1.46	1.83	2.17	1.51	4.29	3.35	1.12	.98	.64	.54	1.63

CAL YR 1976 TOTAL 41428 MEAN 113 MAX 792 MIN 30 CFSM 1.69 IN 23.07
WTR YR 1977 TOTAL 38182 MEAN 105 MAX 2210 MIN 25 CFSM 1.57 IN 21.26

02430000 MACKEYS CREEK NEAR DENNIS, MS--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1973 to current year.

pH: July 1973 to current year.

WATER TEMPERATURE: July 1973 to current year.

TURBIDITY: November 1974 to current year.

DISSOLVED OXYGEN: July 1973 to current year.

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

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

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

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

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

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

TURBIDITY: Maximum, 250 NTU June 18, 1976; minimum, 3 NTU on many days in water year 1975.

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

WATER QUALITY DATA: WATER YEAR OCTOBER 1974 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COALT UNITS)	TUR- BID- ITY (NTU)	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)	IMME- DIATE COLI- FORM (COL. PER 100 ML)
OCT												
13...	1130	46	33	6.4	14.5	50	9.0	8.5	5	2.8	4.8	<14
NOV												
09...	0900	63	34	6.2	6.0	40	9.0	11.4	2	1.9	--	<5
DEC												
07...	0945	97	34	6.4	7.0	50	9.0	10.7	8	1.8	--	--
JAN												
04...	0930	117	32	6.0	2.0	30	9.0	12.6	8	3.3	--	887
FEB												
09...	0930	67	32	6.3	2.5	35	15	12.8	5	2.6	--	833
MAR												
08...	0900	167	28	5.5	9.0	60	35	10.9	11	1.3	--	130
APR												
13...	0930	95	30	5.7	19.0	60	3.0	8.1	10	.6	--	220
MAY												
11...	1000	55	--	--	--	100	30	--	30	1.5	--	190
JUN												
08...	0930	36	34	6.9	19.0	200	20	8.7	8	2.6	--	8190
JUL												
06...	0930	31	36	6.7	25.0	100	20	7.6	11	.9	--	510
AUG												
02...	0930	38	38	6.8	23.0	160	25	7.5	--	1.8	--	530
SEP												
07...	0830	49	32	6.4	23.5	120	40	7.2	20	1.0	--	770

DATE	FECAL COLI- FORM 7UM-MF (COL./ 100 ML)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)
OCT												
13...	<14	8	0	2.4	.6	10	0	8	6.4	2.8	1.6	45
NOV												
09...	<5	11	0	3.0	.8	17	0	14	17	3.3	1.9	32
DEC												
07...	<7	11	0	2.9	1.0	14	0	11	8.9	4.0	2.0	36
JAN												
04...	<7	10	0	2.5	.9	13	0	11	21	4.3	2.2	36
FEB												
09...	<7	9	0	2.3	.9	17	0	14	14	3.5	1.8	28
MAR												
08...	<3	4	0	1.6	.1	8	0	7	40	4.4	1.8	32
APR												
13...	<7	10	0	2.3	1.0	13	0	11	42	3.3	1.7	38
MAY												
11...	<7	13	2	3.2	1.3	14	--	11	--	2.7	1.9	33
JUN												
08...	<14	11	1	2.6	1.0	12	0	10	2.4	3.8	2.3	34
JUL												
06...	<14	11	0	2.7	1.1	14	0	11	4.5	3.4	1.6	36
AUG												
02...	<14	11	0	2.7	1.0	22	0	18	5.6	5.8	1.6	43
SEP												
07...	<14	9	2	2.0	1.0	9	0	7	5.7	3.8	2.1	36

MOBILE RIVER BASIN

02430000 MACKEYS CREEK NEAR DENNIS, MS--CONTINUED

DATE	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL- NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)
OCT 13...	.06	5.59	.05	.00	.05	.01	.23	.24	.29	1.3	.02	.01
NOV 09...	.04	5.44	.04	.00	.04	.00	.23	.23	.27	1.2	.01	.01
DEC 07...	.05	9.43	.07	.00	.07	.01	.24	.25	.32	1.4	.01	.00
JAN 04...	.05	11.4	.08	.00	.08	.01	.18	.19	.27	1.2	.01	.01
FEB 09...	.04	5.07	.00	.01	.01	.02	.09	.10	.11	.49	.01	.00
MAR 08...	.04	14.4	.07	.01	.08	.03	.32	.35	.43	1.9	.01	.00
APR 13...	.05	9.75	.05	.01	.06	.03	.36	.39	.45	2.0	.04	.01
MAY 11...	.04	4.90	.08	.01	.09	.06	.44	.50	.59	2.6	.04	.00
JUN 08...	.05	3.30	.13	.01	.14	.06	.32	.38	.52	2.3	.06	.01
JUL 06...	.05	3.01	.10	.01	.11	.01	.33	.34	.45	2.0	.05	.00
AUG 02...	.06	4.41	.08	.01	.09	.03	.39	.42	.51	2.3	.05	.02
SEP 07...	.05	4.76	.04	.00	.04	.02	.23	.25	.29	1.3	.06	.01

DATE	TOTAL ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CHRC- MIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	TOTAL ZINC (ZN) (UG/L)	PHENOLS (UG/L)
OCT 13...	1	1	18	0	1600	1	110	10	4
JAN 04...	2	0	<10	3	1900	12	130	10	2
APR 13...	2	0	10	15	3100	13	170	30	2
JUL 06...	2	0	20	7	3000	3	120	30	0

DATE	TIME	INSI- AN- TANEOUS DIS- CHARGE (CFS)	SUS- PEN- DED SED- MENT (MG/L)	SUS- PEN- DED SED- MENT DIS- CHARGE (T/DAY)
JUN 08...	0930	36	54	5.2
16...	1245	53	60	8.6
23...	1400	47	47	6.0
28...	0930	50	51	6.9
JUL 06...	0930	31	38	3.2
14...	1100	37	55	5.5
20...	0900	59	44	7.0
28...	0930	39	62	6.5
AUG 02...	0930	38	48	4.9
11...	1315	36	38	3.7
24...	1445	26	32	2.2
SEP 07...	0830	49	46	6.1
14...	1500	71	62	12
22...	1500	49	128	17
28...	1100	459	99	121

02430000 MACKEYS CREEK NEAR DENNIS, MS--CONTINUED

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

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

MOBILE RIVER BASIN

02430000 MACKEYS CREEK NEAR DENNIS, MS--CONTINUED

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	37	35	36	40	37	38	39	38	39
2	---	---	---	36	35	36	40	37	39	39	39	39
3	---	---	---	39	35	37	39	38	38	39	39	39
4	---	---	---	36	34	35	38	37	37	39	38	39
5	---	---	---	36	35	35	37	36	37	39	38	39
6	33	33	33	36	35	36	37	36	36	40	37	38
7	34	33	33	37	35	36	38	37	37	39	37	38
8	34	33	33	37	35	36	38	37	37	39	39	39
9	33	32	33	37	35	36	39	38	38	40	38	39
10	33	32	32	37	35	36	39	38	39	39	38	39
11	33	32	33	42	35	39	41	38	39	45	39	42
12	33	32	33	41	37	39	40	39	39	43	39	41
13	34	32	33	38	37	37	40	40	40	40	38	39
14	33	31	32	37	36	37	40	39	40	---	---	---
15	33	31	32	36	35	36	40	39	40	51	36	42
16	33	32	33	37	35	36	40	39	40	56	49	52
17	33	32	33	37	35	36	39	37	38	53	48	50
18	---	---	---	37	36	36	40	35	38	48	43	45
19	---	---	---	38	35	36	43	39	41	43	37	40
20	---	---	---	37	36	36	42	40	41	49	35	39
21	---	---	---	37	36	37	41	39	40	49	47	48
22	---	---	---	38	35	37	40	38	39	47	42	44
23	---	---	---	36	35	35	39	38	39	42	39	40
24	---	---	---	45	34	41	39	38	39	41	37	39
25	---	---	---	44	43	44	39	38	38	37	28	34
26	---	---	---	44	38	40	39	38	39	---	---	---
27	---	---	---	39	36	38	39	39	39	---	---	---
28	38	38	38	---	---	---	40	39	39	47	40	45
29	38	36	36	36	32	35	40	39	39	47	39	43
30	37	36	36	43	35	41	---	---	---	51	38	44
31	---	---	---	43	40	41	40	38	39	---	---	---

02430000 MACKEYS CREEK NEAR DENNIS, MS--CONTINUED

PH (UNITS), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

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

MOBILE RIVER BASIN

26

02430000 MACKEYS CREEK NEAR DENNIS, MS--CONTINUED

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

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

MOBILE RIVER BASIN

02430000 MACKEYS CREEK NEAR DENNIS, MS--CONTINUED

TURBIDITY (NTU), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1				65	35	50	---	---	---	40	30	35
2				35	20	30	---	---	---	35	30	35
3				85	30	55	---	---	---	45	35	35
4				---	---	---	---	---	---	---	---	---
5				---	---	---	---	---	---	---	---	---
6				---	---	---	---	---	---	---	---	---
7				---	---	---	---	---	---	---	---	---
8				---	---	---	---	---	---	---	---	---
9				---	---	---	---	---	---	---	---	---
10				35	20	30	---	---	---	---	---	---
11				30	20	25	---	---	---	45	35	40
12				55	15	25	---	---	---	45	35	40
13				---	---	---	45	35	35	40	35	40
14				---	---	---	---	---	---	45	35	40
15				---	---	---	---	---	---	45	35	40
16				45	30	35	---	---	---	45	40	40
17				50	35	40	---	---	---	45	35	40
18				35	25	30	---	---	---	40	35	40
19				35	25	30	35	30	30	40	35	40
20				35	25	30	---	---	---	40	35	40
21				30	25	25	---	---	---	40	35	40
22				30	20	25	---	---	---	40	35	35
23				40	15	25	---	---	---	40	35	40
24				30	15	20	---	---	---	40	35	40
25				25	10	15	---	---	---	55	40	45
26				25	10	15	---	---	---	70	50	60
27				20	10	15	---	---	---	50	40	45
28				35	15	25	35	35	35	50	40	45
29				40	35	35	40	35	35	45	40	45
30				30	20	30	40	30	35	---	---	---
31				30	25	25	---	---	---	---	---	---
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	55	45	55	65	55	60	65	50	55
2	---	---	---	65	50	55	60	45	50	60	50	55
3	---	---	---	75	55	65	55	50	55	55	45	50
4	---	---	---	70	55	65	65	55	60	60	50	55
5	---	---	---	60	50	55	60	55	60	60	55	55
6	80	70	75	55	40	45	60	40	50	70	55	60
7	75	65	70	55	40	45	50	40	45	60	50	55
8	75	65	65	60	40	55	50	40	45	50	45	50
9	85	65	70	80	50	65	50	35	40	55	50	50
10	80	65	70	75	60	70	45	40	40	55	45	50
11	75	65	70	75	40	60	---	---	---	60	50	55
12	75	70	70	55	40	50	35	25	30	65	60	65
13	85	70	75	55	40	50	40	25	30	60	55	60
14	85	65	70	75	50	60	45	35	40	---	---	---
15	---	---	---	70	60	65	45	35	40	70	50	60
16	65	50	60	70	50	60	45	30	35	55	45	50
17	80	55	65	60	50	55	45	30	35	50	45	50
18	---	---	---	55	40	50	50	35	45	55	50	50
19	---	---	---	45	40	45	45	35	40	70	50	55
20	---	---	---	45	30	40	45	35	40	75	50	65
21	---	---	---	45	30	40	45	35	40	190	50	70
22	---	---	---	55	40	45	45	35	40	210	150	180
23	---	---	---	85	50	65	40	30	35	190	150	170
24	---	---	---	75	30	50	40	30	35	170	110	140
25	---	---	---	55	40	45	45	35	40	---	---	---
26	---	---	---	55	40	50	45	40	45	---	---	---
27	---	---	---	85	50	65	50	40	45	---	---	---
28	55	50	50	---	---	---	45	25	30	---	---	---
29	60	45	50	100	60	80	70	25	35	---	---	---
30	55	45	50	100	55	75	---	---	---	---	---	---
31	---	---	---	60	55	55	60	30	45	---	---	---

02430000 MACKEYS CREEK NEAR DENNIS, MS--CONTINUED

DISSOLVED OXYGEN (DO), MG/L, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	---	---	---	11.6	11.2	11.4	---	---	---
2	---	---	---	---	---	---	11.3	11.0	11.1	---	---	---
3	---	---	---	---	---	---	11.2	10.4	10.9	---	---	---
4	---	---	---	---	---	---	10.4	9.6	10.1	---	---	---
5	9.1	8.1	8.7	10.7	10.2	10.5	---	---	---	---	---	---
6	8.5	7.9	8.1	10.3	9.6	10.0	---	---	---	12.7	12.5	12.7
7	9.0	8.5	8.8	9.6	8.8	9.1	10.9	10.4	10.5	---	---	---
8	9.2	8.8	9.0	8.9	8.7	8.8	11.6	10.5	11.1	---	---	---
9	9.2	8.9	9.1	11.3	8.6	10.3	11.5	10.6	11.1	---	---	---
10	9.2	8.9	9.1	10.9	10.2	10.6	---	---	---	---	---	---
11	9.1	8.6	9.0	11.2	10.6	10.8	---	---	---	---	---	---
12	9.1	8.5	8.7	11.7	10.2	11.4	---	---	---	---	---	---
13	8.8	8.1	8.4	12.1	11.7	11.9	---	---	---	---	---	---
14	8.5	8.2	8.3	12.1	11.7	11.9	---	---	---	13.4	11.6	12.8
15	8.6	8.4	8.5	11.6	11.3	11.4	---	---	---	---	---	---
16	8.8	8.5	8.7	11.5	11.1	11.3	---	---	---	---	---	---
17	9.5	9.0	9.3	11.5	11.2	11.3	---	---	---	---	---	---
18	10.0	9.7	9.9	11.6	11.2	11.5	---	---	---	---	---	---
19	10.3	10.0	10.1	11.5	11.0	11.2	---	---	---	---	---	---
20	10.0	9.5	9.8	11.3	10.7	10.9	---	---	---	---	---	---
21	10.6	9.8	10.2	11.3	10.7	11.0	12.3	11.7	12.1	---	---	---
22	10.6	10.3	10.5	12.1	11.4	11.8	---	---	---	---	---	---
23	---	---	---	12.4	12.1	12.3	---	---	---	---	---	---
24	---	---	---	12.6	11.9	12.2	---	---	---	---	---	---
25	---	---	---	12.1	11.4	11.8	---	---	---	---	---	---
26	---	---	---	11.6	9.9	10.8	---	---	---	---	---	---
27	---	---	---	10.0	8.7	9.3	---	---	---	---	---	---
28	---	---	---	10.8	8.9	10.5	---	---	---	---	---	---
29	---	---	---	11.4	10.8	11.2	---	---	---	---	---	---
30	---	---	---	12.5	11.4	11.6	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	10.5	10.0	10.2	---	---	---	---	---	---
3	---	---	---	9.9	9.5	9.6	---	---	---	---	---	---
4	13.4	11.0	12.7	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	13.6	12.5	12.9	11.0	10.6	10.9	---	---	---	---	---	---
11	12.4	11.6	12.0	10.6	10.0	10.3	---	---	---	8.3	8.0	8.1
12	12.6	11.1	11.8	10.1	8.4	9.3	---	---	---	8.3	7.5	7.7
13	10.9	9.1	10.2	---	---	---	8.9	8.4	8.7	7.8	7.3	7.6
14	10.7	9.6	10.2	---	---	---	---	---	---	7.6	7.1	7.3
15	11.0	9.8	10.5	---	---	---	---	---	---	7.4	6.9	7.2
16	12.1	10.7	11.5	9.1	8.8	9.0	---	---	---	7.8	7.2	7.5
17	12.3	11.6	11.9	9.3	8.6	9.0	---	---	---	7.9	7.6	7.7
18	11.5	10.3	10.9	9.1	8.2	8.7	---	---	---	7.9	7.6	7.8
19	---	---	---	8.4	8.0	8.2	7.6	7.4	7.5	8.2	7.2	8.1
20	---	---	---	8.7	8.0	8.4	---	---	---	8.2	7.6	7.9
21	---	---	---	8.4	8.0	8.2	---	---	---	8.0	7.7	7.9
22	---	---	---	8.7	8.2	8.5	---	---	---	8.2	7.8	8.0
23	---	---	---	8.6	8.2	8.5	---	---	---	8.4	8.1	8.2
24	---	---	---	8.4	7.8	8.0	---	---	---	8.6	8.0	8.3
25	---	---	---	8.4	7.7	8.0	---	---	---	8.3	7.8	8.1
26	---	---	---	8.1	7.6	7.8	---	---	---	8.0	7.2	7.7
27	---	---	---	8.1	7.5	7.7	---	---	---	7.3	6.8	7.0
28	---	---	---	7.9	7.5	7.7	8.6	8.3	8.5	7.1	6.7	6.9
29	---	---	---	8.0	7.4	7.8	8.2	7.4	7.7	6.9	6.5	6.7
30	---	---	---	7.4	7.0	7.2	---	---	---	---	---	---
31	---	---	---	7.5	6.9	7.2	---	---	---	---	---	---

MOBILE RIVER BASIN

02430000 MACKEYS CREEK NEAR DENNIS, MS--CONTINUED

DISSOLVED OXYGEN (DO), MG/L, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	7.3	7.1	7.2	7.2	6.8	7.0	7.3	6.4	7.1
2	---	---	---	7.2	7.1	7.2	7.2	6.8	7.0	7.2	6.6	6.9
3	---	---	---	7.2	7.0	7.1	7.3	6.8	7.0	7.3	6.7	7.0
4	---	---	---	7.2	6.9	7.1	7.1	6.8	7.0	7.5	6.8	7.2
5	---	---	---	7.0	6.7	6.9	7.1	6.8	7.0	7.6	7.1	7.4
6	8.2	7.6	7.9	7.3	6.6	7.0	7.1	6.7	6.9	7.6	7.2	7.5
7	8.3	7.7	8.0	7.1	6.6	6.8	7.2	6.6	6.8	7.8	7.3	7.7
8	8.6	8.1	8.4	6.9	6.4	6.7	7.1	6.5	6.8	7.8	7.2	7.6
9	8.7	8.4	8.6	6.7	6.4	6.6	7.0	6.5	6.7	7.6	7.3	7.5
10	8.6	8.2	8.4	6.5	6.2	6.4	6.9	6.4	6.7	7.2	6.6	6.9
11	8.4	7.9	8.2	6.7	6.2	6.4	6.7	6.3	6.5	7.3	6.8	7.1
12	8.0	7.6	7.8	6.7	6.2	6.4	6.6	6.2	6.4	7.0	6.8	6.9
13	7.8	7.4	7.6	6.9	6.0	6.3	6.7	6.2	6.5	---	---	---
14	7.8	7.2	7.5	6.8	6.2	6.5	6.7	6.3	6.5	---	---	---
15	7.9	7.6	7.7	6.7	6.2	6.4	6.8	6.4	6.6	8.1	7.0	7.7
16	7.8	7.1	7.4	6.7	6.2	6.4	7.0	6.4	6.7	---	---	---
17	7.1	7.0	7.1	6.7	6.2	6.5	6.9	6.6	6.7	---	---	---
18	---	---	---	6.9	6.4	6.6	7.0	6.6	6.8	---	---	---
19	---	---	---	6.9	6.6	6.7	7.1	6.8	7.0	---	---	---
20	---	---	---	7.2	6.6	6.8	7.3	7.1	7.2	---	---	---
21	---	---	---	7.1	6.6	6.8	7.4	7.2	7.3	---	---	---
22	---	---	---	6.8	6.4	6.7	7.5	7.3	7.4	---	---	---
23	---	---	---	6.7	6.2	6.5	7.6	7.3	7.4	---	---	---
24	---	---	---	6.7	6.2	6.4	7.4	7.0	7.2	---	---	---
25	---	---	---	6.5	6.2	6.3	7.2	6.8	6.9	---	---	---
26	---	---	---	6.3	6.0	6.2	---	---	---	---	---	---
27	---	---	---	6.3	5.8	6.1	---	---	---	---	---	---
28	7.9	7.7	7.8	---	---	---	---	---	---	8.0	7.2	7.7
29	7.8	7.5	7.6	7.2	7.1	7.1	---	---	---	8.6	8.1	8.4
30	7.5	7.3	7.4	7.4	7.0	7.2	---	---	---	8.7	8.4	8.6
31	---	---	---	7.1	6.9	7.0	7.6	7.1	7.4	---	---	---

MOBILE RIVER BASIN

31

02430038 ROCK CREEK NEAR BELMONT, MS

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

DRAINAGE AREA.--9.02 mi² (23.36 km²).

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

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

REMARKS.--Records good, except those for period of no gage height record, June 28 to Aug. 9, 1977, which are fair.

EXTREMES FOR CURRENT PERIOD.--June to September 1975: Maximum discharge during period, 455 ft³/s (12.9 m³/s) July 23, gage height 7.10 ft (2.164 m); minimum, 2.3 ft³/s (0.065 m³/s) Sept. 1, 2, 3, 4, 5, gage height, 4.18 ft (1.274 m).

Water year 1976: Maximum discharge, 924 ft³/s (26.2 m³/s) Mar. 20; gage height, 9.42 ft (2.871 m); minimum 1.4 ft³/s (0.040 m³/s) Aug. 23, 24, 25, gage height, 4.12 ft (1.256 m).

Water year 1977: Maximum discharge, 1180 ft³/s (33.4 m³/s) Apr. 4; gage height, 10.50 ft (3.200 m); minimum 0.50 ft³/s (0.014 m³/s) Sept. 2, 3, 4, gage height, 3.97 ft (1.210 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									---	3.8	54	2.7
2									---	4.5	16	2.7
3									---	5.5	11	2.7
4									---	4.3	36	2.5
5									---	3.4	21	7.2
6									---	5.5	12	56
7									---	6.6	9.3	9.9
8									---	5.5	8.2	6.6
9									---	4.3	7.7	5.5
10									---	23	7.2	5.3
11									18	10	6.6	5.0
12									14	5.8	6.0	34
13									9.9	5.3	5.5	10
14									14	5.0	5.0	7.5
15									41	4.5	5.0	6.3
16									11	4.1	5.0	6.0
17									9.6	4.1	7.2	15
18									8.0	3.8	6.0	9.6
19									6.9	3.6	5.8	8.0
20									6.3	9.3	5.0	20
21									5.8	6.9	4.5	9.9
22									5.5	5.5	4.1	8.8
23									5.0	82	3.8	15
24									4.5	15	3.6	23
25									4.5	19	3.4	15
26									6.0	12	3.0	11
27									4.8	8.8	3.0	9.3
28									4.5	7.5	2.9	8.5
29									4.3	6.9	2.9	7.7
30									4.1	6.6	2.9	7.2
31									---	8.8	2.9	---
TOTAL									---	300.9	276.5	337.9
MEAN									---	9.71	8.92	11.3
MAX									---	82	54	56
MIN									---	3.4	2.9	2.5
CFSM									---	1.08	.99	1.25
IN.									---	1.24	1.14	1.39

MOBILE RIVER BASIN

02430038 ROCK CREEK NEAR BELMONT, MS--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	8.5	20	18	13	12	52	8.2	11	7.5	4.1	22
2	9.3	8.5	17	61	11	12	24	7.5	9.9	7.2	3.4	9.6
3	7.7	8.5	15	105	11	11	21	7.2	9.9	6.6	2.9	7.7
4	7.5	8.5	13	39	11	11	19	6.6	268	7.2	2.7	8.0
5	7.2	8.5	12	26	19	45	17	6.3	43	25	2.7	6.3
6	7.2	59	12	21	50	23	16	15	18	18	2.7	5.3
7	10	35	12	40	22	17	15	9.3	12	8.8	2.7	4.8
8	9.6	21	11	26	19	36	14	7.7	9.6	7.4	2.5	5.0
9	8.0	17	11	20	16	45	14	7.5	8.5	6.2	2.1	5.3
10	7.5	16	9.9	19	15	28	13	7.2	7.7	5.6	2.0	5.3
11	8.8	14	9.6	27	14	22	20	7.7	7.2	5.2	1.8	4.3
12	11	38	9.3	22	13	28	22	6.6	6.9	5.0	1.8	3.8
13	8.0	19	9.0	38	13	21	15	6.9	6.3	9.3	1.8	3.4
14	7.5	15	9.0	31	12	18	21	118	5.8	7.4	1.7	3.4
15	7.2	14	20	23	12	17	12	34	5.3	6.4	2.5	3.2
16	45	13	16	21	12	16	9.9	27	8.0	5.6	2.7	3.2
17	398	11	12	17	14	14	9.0	19	7.5	4.8	2.5	3.0
18	47	11	11	15	261	13	8.5	13	7.2	4.3	2.0	3.0
19	25	10	9.9	14	55	13	8.2	11	32	3.8	2.0	3.2
20	18	20	10	15	31	308	8.2	9.3	11	3.5	2.1	3.4
21	15	15	9.6	13	58	183	8.8	8.2	8.0	3.3	2.0	3.4
22	13	12	9.3	13	35	40	8.0	7.7	7.5	3.0	1.8	3.0
23	11	12	9.0	12	25	27	7.5	7.5	6.6	3.0	1.8	2.9
24	10	11	9.0	12	21	22	7.7	6.9	6.6	2.9	1.5	2.7
25	11	11	81	25	18	20	9.6	6.3	16	2.8	12	2.7
26	14	23	47	22	16	21	7.7	6.0	9.3	2.7	12	2.9
27	11	20	26	16	15	58	7.5	7.2	28	7.0	5.0	9.6
28	10	15	20	15	14	29	7.5	20	13	8.0	4.1	5.0
29	9.3	13	18	14	13	45	7.2	10	9.3	5.0	5.0	4.5
30	9.0	25	17	13	---	152	7.5	8.0	9.0	4.8	5.5	4.1
31	8.8	---	23	13	---	178	---	13	---	4.5	52	---
TOTAL	784.6	512.5	517.6	766	839	1485	417.8	435.8	608.1	201.9	151.6	154.0
MEAN	25.3	17.1	16.7	24.7	28.9	47.9	13.9	14.1	20.3	6.51	4.89	5.13
MAX	398	59	81	105	261	308	52	118	268	25	52	22
MIN	7.2	8.5	9.0	12	11	11	7.2	6.0	5.3	2.7	1.5	2.7
CFSM	2.81	1.90	1.85	2.74	3.20	5.31	1.54	1.56	2.25	.72	.54	.57
IN.	3.24	2.11	2.13	3.16	3.46	6.12	1.72	1.80	2.51	.83	.63	.64

WTR YR 1976 TOTAL 6873.9 MEAN 18.8 MAX 398 MIN 1.5 CFSM 2.08 IN 28.35

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	12	14	15	9.2	18	9.8	6.1	5.9	1.6	2.4	.85
2	2.9	10	12	12	9.0	15	15	5.9	4.9	1.5	2.0	.85
3	2.7	9.2	11	15	9.0	260	126	6.7	4.2	1.4	1.8	.85
4	2.5	8.3	10	16	9.6	341	424	7.2	3.6	1.4	1.6	.85
5	2.7	8.1	9.5	15	9.0	63	159	6.4	3.4	1.3	1.9	1.3
6	8.3	7.8	10	25	8.6	35	66	5.9	3.1	1.3	1.6	2.5
7	4.9	7.8	10	22	8.0	27	35	5.4	2.9	1.2	1.5	3.1
8	4.5	7.5	9.2	17	7.6	22	20	5.4	2.7	1.2	1.4	2.5
9	4.9	7.8	8.6	80	8.0	19	15	4.9	2.5	1.3	1.4	1.8
10	3.9	7.8	8.6	40	8.4	18	13	4.5	2.3	1.7	1.5	1.8
11	3.6	7.8	12	25	8.0	18	12	4.5	2.3	1.6	1.3	1.5
12	3.4	8.3	16	19	14	146	11	4.2	2.0	1.7	1.1	1.5
13	3.4	7.8	12	17	11	40	10	3.9	2.7	1.6	1.1	5.7
14	3.4	8.9	11	40	9.4	25	9.0	3.9	5.4	1.9	1.1	5.7
15	3.1	8.6	11	25	8.6	21	8.5	3.9	3.9	1.7	1.1	3.1
16	3.4	8.1	10	19	8.0	17	8.0	3.6	3.6	1.6	1.3	2.9
17	3.9	7.8	9.5	17	9.0	16	7.8	3.4	6.4	1.6	2.9	2.5
18	3.9	6.9	8.9	16	8.0	15	7.5	3.4	6.1	2.3	2.0	2.5
19	3.9	6.7	8.9	15	7.4	13	7.2	3.4	5.9	2.0	1.5	11
20	9.2	9.2	66	13	7.2	13	6.9	3.1	3.6	1.9	1.3	5.4
21	5.7	8.3	22	12	7.0	12	11	3.1	3.4	1.8	1.2	3.1
22	5.2	7.2	17	12	7.0	11	17	2.9	2.9	1.8	1.1	2.7
23	4.9	6.7	15	11	43	11	12	2.7	2.5	3.5	1.1	2.3
24	18	6.9	13	15	29	11	11	3.4	2.3	2.5	1.2	5.7
25	56	6.9	64	12	17	10	9.2	4.9	2.3	1.8	1.1	172
26	14	14	32	12	47	10	8.3	5.2	2.9	2.1	1.2	25
27	9.8	11	22	12	44	10	7.8	5.4	2.9	1.8	1.1	62
28	8.3	68	18	11	23	17	7.2	4.5	2.5	1.7	.95	16
29	8.1	26	15	10	---	12	6.7	3.6	2.0	1.9	1.1	18
30	48	17	15	10	---	11	6.7	16	1.7	2.5	1.1	12
31	17	---	20	9.6	---	10	---	18	---	2.3	.71	---
TOTAL	276.6	338.4	521.2	589.6	394.0	1267	1067.6	165.4	102.8	55.5	43.66	377.00
MEAN	8.92	11.3	16.8	19.0	14.1	40.9	35.6	5.34	3.43	1.79	1.41	12.6
MAX	56	68	66	80	47	341	424	18	6.4	3.5	2.9	172
MIN	2.5	6.7	8.6	9.6	7.0	10	6.7	2.7	1.7	1.2	.71	.85
CFSM	.99	1.25	1.86	2.11	1.56	4.53	3.95	.59	.38	.20	.16	1.40
IN.	1.14	1.40	2.15	2.43	1.62	5.22	4.40	.68	.42	.23	.18	1.55

CAL YR 1976 TOTAL 6195.40 MEAN 16.9 MAX 308 MIN 1.5 CFSM 1.87 IN 25.55
WTR YR 1977 TOTAL 5198.76 MEAN 14.2 MAX 424 MIN .71 CFSM 1.57 IN 21.44

02430085 RED BUD CREEK NEAR MOORES MILL, MS

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

DRAINAGE AREA.--15.5 mi² (40.1 km²).

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

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

REMARKS.--Records good.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 350 ft³/s (9.91 m³/s) and maximum (*), from rating curve extended above 300 ft³/s (8.50 m³/s) on basis of logarithmic plotting and conveyance computation of peak flow at 12.6 ft (3.840 m):

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Jan. 9	1415	378	10.7	8.90	2.713	Apr. 4	1330	722	20.4	10.59	3.228
Mar. 4	0115	*986	27.9	11.16	3.402	Sept. 25	2045	784	22.2	10.76	3.280

Minimum discharge, 2.0 ft³/s (0.057 m³/s) part of each day Aug. 20-25, Aug. 28-30, Sept. 1-3, gage height, 3.39 ft (1.033 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.8	15	19	19	13	30	18	12	8.0	2.9	4.4	2.1
2	4.7	13	18	18	14	25	28	12	6.2	2.9	3.6	2.1
3	4.7	12	15	24	14	200	107	13	5.4	2.8	3.1	2.1
4	4.5	11	14	25	14	403	474	18	4.7	2.8	3.1	2.2
5	4.5	11	13	21	13	103	133	14	4.4	2.6	3.3	2.8
6	12	10	14	31	12	111	60	12	4.4	2.5	2.5	3.7
7	6.4	10	16	33	12	61	42	11	4.0	2.4	2.8	6.2
8	5.8	9.8	13	25	12	46	34	9.8	3.9	2.4	2.8	4.0
9	6.2	9.8	12	132	12	39	28	9.5	3.9	2.6	2.6	3.3
10	5.8	9.8	12	64	12	35	24	8.3	3.6	3.0	2.9	3.1
11	5.4	10	18	37	12	34	22	7.8	3.6	3.0	3.0	3.0
12	5.0	12	31	30	24	243	20	7.3	3.4	3.1	2.6	2.9
13	5.0	9.8	19	27	17	73	18	6.8	6.6	3.0	2.6	13
14	4.8	12	16	63	14	47	17	6.4	11	3.3	2.5	11
15	4.8	12	15	38	13	38	16	6.0	6.4	2.9	2.6	8.8
16	4.8	11	14	29	12	32	16	5.8	6.0	3.0	2.8	7.0
17	6.2	10	13	24	13	29	15	5.6	6.6	2.9	3.3	4.5
18	5.4	10	12	21	12	27	14	5.4	7.0	3.7	2.6	4.2
19	5.4	10	12	18	12	24	13	5.0	5.8	3.0	2.2	15
20	12	13	57	17	11	24	12	4.8	4.7	3.0	2.1	7.5
21	7.3	12	25	15	11	22	21	4.7	4.5	2.8	2.1	4.8
22	6.4	10	20	14	11	20	41	4.5	3.9	2.8	2.0	4.2
23	6.2	9.8	18	17	48	19	39	4.8	3.6	5.4	2.1	4.0
24	14	10	16	28	52	18	32	5.4	3.4	3.6	2.1	7.3
25	71	11	87	21	26	18	22	6.4	3.3	3.0	2.2	183
26	18	18	46	19	39	17	19	6.8	3.7	4.0	2.6	89
27	12	18	32	19	66	17	16	7.3	4.4	3.1	2.4	55
28	10	76	26	17	37	33	15	7.8	3.4	3.1	2.2	19
29	10	36	21	15	---	22	14	5.6	3.1	4.0	2.2	28
30	60	22	21	15	---	19	13	17	3.0	4.2	2.1	21
31	21	---	24	14	---	17	---	16	---	3.9	2.2	---
TOTAL	354.1	444.0	689	890	558	1846	1343	266.8	145.9	97.7	81.6	523.8
MEAN	11.4	14.8	22.2	28.7	19.9	59.5	44.8	8.61	4.86	3.15	2.63	17.5
MAX	71	76	87	132	66	403	474	18	11	5.4	4.4	183
MIN	4.5	9.8	12	14	11	17	12	4.5	3.0	2.4	2.0	2.1
CFSM	.74	.96	1.43	1.85	1.28	3.84	2.89	.56	.31	.20	.17	1.13
IN.	.85	1.07	1.65	2.14	1.34	4.43	3.22	.64	.35	.23	.20	1.26

CAL YR 1976	TOTAL	8427.1	MEAN 23.0	MAX 296	MIN 2.8	CFSM 1.48	IN 20.23
WTR YR 1977	TOTAL	7239.9	MEAN 19.8	MAX 474	MIN 2.0	CFSM 1.28	IN 17.37

MOBILE RIVER BASIN

02430615 MUD CREEK NEAR FAIRVIEW, MS

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

DRAINAGE AREA.--11.1 mi² (28.7 km²).

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

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

REMARKS.--Records good except those for periods of no gage-height record, Oct. 1, to Nov. 1, and Apr. 28 to June 28, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 303 ft³/s (8.58 m³/s) from rating curve extended above 175 ft³/s (4.96 m³/s) on basis of logarithmic plotting, Sept. 25, 1977, gage height, 9.37 ft (2.856 m); minimum 2.3 ft³/s (0.07 m³/s) Aug. 22, gage height, 2.84 ft (0.866 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 250 ft³/s (7.08 m³/s) and maximum (*), from rating curve extended above 175 ft³/s (4.96 m³/s):

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Mar. 4	--	259	7.33	^a 8.87	2.704	Sept. 25	2000	*303	8.58	9.37	2.856
Apr. 4	1245	296	8.38	9.29	2.832						

^a From floodmark.

Minimum discharge, 2.3 ft³/s (0.065 m³/s) Aug. 22, gage height, 2.84 ft (0.866 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.8	15	16	19	11	20	14	13	15	5.6	4.6	2.7
2	5.7	10	15	17	12	17	36	13	10	5.5	4.0	2.6
3	5.6	10	13	21	13	60	80	20	8.0	4.9	3.9	2.6
4	5.5	9.6	12	20	12	150	235	15	7.0	4.7	3.7	2.7
5	5.4	9.4	12	17	11	90	78	13	6.0	4.6	3.7	2.8
6	13	9.4	14	31	11	60	44	11	5.7	4.6	3.6	3.1
7	8.0	9.6	15	22	11	40	33	10	5.4	4.4	3.5	6.1
8	7.0	9.4	12	17	11	30	28	12	5.2	4.4	3.5	3.5
9	8.0	9.6	12	87	11	23	25	11	5.0	4.7	3.0	3.1
10	7.0	9.8	12	30	10	21	23	10	4.8	5.5	3.1	3.0
11	6.4	11	22	19	11	21	21	9.4	4.6	4.9	3.3	2.9
12	6.0	12	29	15	24	126	19	9.0	4.6	5.0	2.9	2.8
13	5.8	10	17	18	14	36	18	8.8	6.0	4.9	2.9	6.7
14	5.6	13	14	54	12	27	17	8.5	17	4.9	2.8	7.0
15	5.4	12	13	25	11	23	16	8.1	10	4.7	2.8	6.6
16	5.4	11	12	19	11	20	15	7.6	9.0	4.6	2.9	6.7
17	7.0	10	12	15	13	20	14	7.4	20	4.6	3.3	5.8
18	5.6	10	12	13	11	19	13	7.0	10	4.6	3.3	5.2
19	5.4	10	12	11	11	18	13	6.7	8.0	4.7	2.9	15
20	13	14	53	10	10	21	11	6.4	6.0	4.9	2.8	7.2
21	9.0	13	19	9.2	10	18	44	6.1	5.4	4.6	2.8	5.5
22	7.0	11	15	8.1	10	16	76	5.9	5.0	4.6	2.7	4.7
23	7.0	11	15	11	12	15	54	6.1	4.6	4.6	2.7	4.6
24	8.0	10	14	27	49	14	34	7.6	4.4	4.7	2.8	7.9
25	70	10	78	18	20	14	23	12	4.3	4.6	3.6	95
26	15	20	27	16	25	13	20	10	5.0	4.7	3.5	58
27	11	16	19	15	50	13	18	13	6.7	4.6	2.9	46
28	10	58	18	14	25	38	16	13	5.0	4.4	2.8	14
29	10	24	15	13	---	22	15	10	4.9	4.6	2.8	23
30	50	17	17	12	---	16	14	30	4.7	4.6	2.6	18
31	25	---	20	11	---	15	---	25	---	4.3	2.6	---
TOTAL	357.6	404.8	586	634.3	442	1036	1067	345.6	217.3	147.0	98.3	374.8
MEAN	11.5	13.5	18.9	20.5	15.8	33.4	35.6	11.1	7.24	4.74	3.17	12.5
MAX	70	58	78	87	50	150	235	30	20	5.6	4.6	95
MIN	5.4	9.4	12	8.1	10	13	11	5.9	4.3	4.3	2.6	2.6
CFSM	1.04	1.22	1.70	1.85	1.42	3.01	3.21	1.00	.65	.43	.29	1.13
IN.	1.20	1.36	1.96	2.13	1.48	3.47	3.58	1.16	.73	.49	.33	1.26
CAL YR 1976	TOTAL	6397.9	MEAN	17.5	MAX	145	MIN	5.4	CFSM	1.58	IN	21.44
WTR YR 1977	TOTAL	5710.7	MEAN	15.6	MAX	235	MIN	2.6	CFSM	1.41	IN	19.14

02430880 CUMMINGS CREEK NEAR FULTON, MS

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

DRAINAGE AREA.--19.1 mi² (49.5 km²).

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

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

REMARKS.--Records fair, except those for periods of no gage-height record, Aug. 3 to Sept. 12, 1976; Oct. 14, 1976, to Apr. 18, 1977, which are poor.

EXTREMES FOR CURRENT PERIOD.--Aug. to Sept. 1975: Maximum discharge during period, 577 ft³/s (16.3 m³/s) Aug. 1, gage height, 10.48 ft (3.194 m); minimum, 12 ft³/s (0.340 m³/s) Sept. 3,4, gage height, 4.13 ft (1.259 m).

Water year 1976: maximum discharge, 600 ft³/s (17.0 m³/s) Oct. 17, gage height 10.63 ft (3.240 m); minimum daily discharge, 8.0 ft³/s (0.227 m³/s) Aug. 24.

Water year 1977: Maximum discharge, 629 ft³/s (17.8 m³/s) Sept. 25, gage height 10.82 ft (3.298 m); minimum, 3.9 ft³/s (0.110 m³/s) Sept. 3, 4, gage height, 3.88 ft (1.183 m).

DISCHARGE, IN CUBIC FEET PER SECOND, 1975
MEAN VALUES

DAY	JULY	AUG	SEP	DAY	JULY	AUG	SEP	DAY	JULY	AUG	SEP
1	---	222	15	11	---	23	31	21	---	23	24
2	---	49	15	12	---	21	46	22	24	22	28
3	---	35	14	13	---	20	30	23	20	21	51
4	---	108	14	14	---	19	23	24	26	20	63
5	---	71	82	15	---	33	22	25	43	19	33
6	---	37	186	16	---	68	22	26	61	18	28
7	---	28	65	17	---	61	53	27	108	16	25
8	---	26	30	18	---	49	33	28	28	16	23
9	---	24	26	19	---	34	27	29	24	16	22
10	---	24	26	20	---	26	31	30	21	16	21
								31	34	16	---
TOTAL									---	1181	1109
MEAN									---	38.1	37.0
MAX									---	222	186
MIN									---	16	14
CFSM									---	2.00	1.94
IN.									---	2.30	2.16

MOBILE RIVER BASIN
02430880 CUMMINGS CREEK NEAR FULTON, MS--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	27	43	36	30	28	66	31	54	16	16	80
2	28	26	35	105	28	28	52	25	43	15	14	40
3	22	26	33	138	27	28	47	24	33	16	12	25
4	21	26	31	54	26	28	44	23	29	40	11	30
5	21	26	30	43	105	163	41	22	26	25	11	25
6	22	144	33	38	141	56	39	21	22	18	11	20
7	32	69	31	65	55	38	37	22	21	16	13	15
8	30	35	29	44	41	59	35	21	20	15	11	14
9	22	33	30	35	34	77	33	19	19	14	10	18
10	20	30	28	34	32	43	33	21	17	13	9.6	16
11	19	28	27	58	32	37	47	24	18	13	9.2	15
12	23	69	27	41	30	50	58	19	17	13	8.8	14
13	20	35	26	60	29	40	37	31	16	33	8.6	13
14	19	29	26	52	28	35	45	261	16	26	8.6	13
15	19	28	32	38	27	40	37	86	15	16	13	12
16	97	27	33	36	27	35	33	67	25	17	13	12
17	342	26	28	33	27	33	30	39	21	17	11	13
18	68	25	26	31	362	31	28	31	19	14	10	12
19	47	24	25	30	78	30	27	27	74	13	9.5	13
20	40	68	26	33	50	90	29	25	30	12	9.0	15
21	36	35	26	33	104	229	30	24	21	31	8.6	16
22	33	29	25	31	57	54	26	22	18	17	8.4	13
23	31	28	25	30	42	45	25	22	18	14	8.2	12
24	30	27	25	30	36	40	29	22	17	13	8.0	12
25	35	26	156	71	33	35	47	21	23	12	16	12
26	47	65	65	65	31	45	25	21	21	16	24	12
27	34	50	38	38	30	148	25	28	20	15	15	32
28	31	35	34	33	29	40	24	85	18	120	11	20
29	30	33	33	31	29	50	23	38	16	33	12	18
30	29	69	36	30	---	143	33	27	20	24	15	16
31	27	---	54	29	---	163	---	25	---	18	20	---
TOTAL	1322	1198	1116	1425	1600	1961	1085	1174	727	675	365.5	578
MEAN	42.6	39.9	36.0	46.0	55.2	63.3	36.2	37.9	24.2	21.8	11.8	19.3
MAX	342	144	156	138	362	229	66	261	74	120	24	40
MIN	19	24	25	29	26	28	23	19	15	12	8.0	12
CFSM	2.23	2.09	1.89	2.41	2.89	3.31	1.90	1.98	1.27	1.14	.62	1.01
IN.	2.57	2.33	2.17	2.78	3.12	3.82	2.11	2.29	1.42	1.31	.71	1.13

WTR YR 1976 TOTAL 13226.5 MEAN 36.1 MAX 362 MIN 8.0 CFSM 1.89 IN 25.76

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	21	27	30	20	40	45	24	14	13	11	5.5
2	15	19	25	25	20	30	100	24	13	12	9.7	5.3
3	14	18	23	35	20	25	202	30	13	10	8.9	5.3
4	14	17	22	40	25	450	573	38	12	9.8	8.9	5.5
5	14	17	21	30	21	170	160	26	11	9.6	8.6	7.4
6	36	16	20	45	19	173	90	22	11	9.4	8.1	11
7	19	16	30	50	18	80	80	21	11	9.2	7.9	20
8	17	15	22	35	18	70	70	21	11	9.0	7.9	9.4
9	19	15	20	130	18	60	60	22	10	9.0	8.4	8.6
10	16	15	20	60	19	54	50	19	10	10	7.6	8.1
11	16	16	33	40	20	50	45	18	9.7	12	7.9	7.4
12	15	18	44	30	45	341	40	17	9.4	11	7.6	7.1
13	14	15	28	30	30	90	35	17	10	10	7.6	23
14	14	19	24	70	25	70	31	17	16	10	7.4	19
15	14	20	24	50	21	50	28	16	15	10	7.6	18
16	14	17	22	40	20	45	27	16	14	10	9.1	15
17	14	16	21	35	21	40	26	16	14	9.7	18	12
18	15	15	20	30	19	35	35	15	14	10	10	10
19	16	15	20	25	18	33	24	15	13	10	7.4	55
20	30	20	80	22	18	43	22	15	11	11	7.1	16
21	16	17	40	20	18	37	84	14	10	9.4	6.9	11
22	14	16	30	18	17	33	156	14	9.1	9.4	6.6	9.7
23	13	16	26	20	50	30	238	13	8.6	10	6.4	9.1
24	13	15	25	40	70	28	96	15	8.8	10	6.6	16
25	150	15	150	33	35	27	48	18	8.8	9.7	9.4	190
26	30	17	70	29	40	26	37	19	9.0	10	10	151
27	20	25	50	27	90	25	33	16	14	9.1	6.9	126
28	16	90	40	24	60	100	29	16	11	9.7	6.6	37
29	15	50	35	23	---	60	28	19	10	11	6.6	58
30	100	30	30	22	---	45	26	13	9.4	11	5.9	47
31	35	---	40	21	---	40	---	14	---	11	5.7	---
TOTAL	764	631	1082	1129	815	2400	2518	580	340.8	315.0	254.3	923.4
MEAN	24.6	21.0	34.9	36.4	29.1	77.4	83.9	18.7	11.4	10.2	8.20	30.8
MAX	150	90	150	130	90	450	573	38	16	13	18	190
MIN	13	15	20	18	17	25	22	13	8.6	9.0	5.7	5.3
CFSM	1.29	1.10	1.83	1.91	1.52	4.05	4.39	.98	.60	.53	.43	1.61
IN.	1.49	1.23	2.11	2.20	1.59	4.67	4.90	1.13	.66	.61	.50	1.80

CAL YR 1976 TOTAL 12067.5 MEAN 33.0 MAX 362 MIN 8.0 CFSM 1.73 IN 23.50

WTR YR 1977 TOTAL 11752.5 MEAN 32.2 MAX 573 MIN 5.3 CFSM 1.69 IN 22.89

02431000 TOMBIGBEE RIVER NEAR FULTON, MS

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

DRAINAGE AREA.--612 mi² (1,585 km²).

WATER-DISCHARGE RECORDS

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

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

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

REMARKS.--Records fair.

AVERAGE DISCHARGE.--49 years, 936 ft³/s (26.51 m³/s), 20.77 in/yr (528 mm/yr).

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

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

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Mar. 4	1900	*25700	728	19.19	5.849	Apr. 5	0600	17600	498	18.23	5.556
Mar. 13	0100	9740	276	17.31	5.276						

Minimum discharge, 45 ft³/s (1.27 m³/s), Sept. 5, gage height, 5.50 ft (1.676 m).

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.28	11.78	12.81	11.82	10.12	15.16	10.00	9.22	10.17	6.33	6.47	5.56
2	7.08	11.05	12.25	11.40	9.90	14.53	10.55	8.98	8.98	6.21	6.40	5.56
3	6.75	10.53	11.74	11.08	9.70	14.17	12.38	8.75	8.02	6.05	6.24	5.55
4	6.58	9.95	11.08	10.95	9.52	17.89	16.23	10.58	7.41	6.03	6.12	5.54
5	6.70	9.26	10.44	11.20	9.36	18.56	18.03	13.18	7.15	6.01	6.02	5.54
6	7.20	8.73	10.00	12.10	9.22	17.58	17.37	11.90	6.91	5.96	5.97	5.64
7	7.35	8.49	9.76	13.25	9.08	16.82	16.72	11.02	6.69	5.91	5.95	5.93
8	7.40	8.34	9.80	13.30	8.89	16.15	16.01	10.38	6.53	5.87	5.87	6.09
9	7.30	8.21	9.78	13.39	8.72	15.45	15.04	9.84	6.35	5.89	5.80	6.07
10	7.02	8.12	9.61	15.59	8.74	14.60	13.66	9.38	6.22	6.46	5.76	5.96
11	6.86	8.10	9.43	15.97	8.76	13.69	12.49	8.94	6.14	6.39	5.80	5.87
12	6.72	8.09	10.88	15.54	9.87	15.59	11.90	8.54	6.32	6.39	5.77	5.82
13	6.58	8.09	11.80	14.95	10.24	17.13	11.40	8.18	6.25	6.31	5.78	5.87
14	6.50	8.15	11.40	14.71	10.54	16.66	10.90	7.82	7.17	6.36	5.76	6.14
15	6.42	8.24	10.92	15.67	10.34	16.10	10.40	7.58	8.23	6.33	5.73	6.50
16	6.42	8.32	10.42	15.60	9.52	15.38	10.00	7.40	7.39	6.20	5.73	6.88
17	6.50	8.31	9.96	14.92	9.34	14.37	9.65	7.30	7.28	6.21	5.82	6.65
18	6.48	8.20	9.58	14.22	9.14	13.52	9.42	7.22	8.62	6.09	5.89	6.36
19	6.52	8.17	9.32	13.92	8.94	12.82	9.34	7.13	9.41	5.97	5.83	6.56
20	6.92	8.11	11.10	13.05	8.84	12.08	9.10	7.03	8.94	5.98	5.86	7.74
21	7.29	8.22	12.30	12.34	8.64	11.60	9.15	6.95	8.37	5.97	5.82	7.22
22	7.59	8.34	11.82	11.92	8.54	11.12	13.50	6.84	7.58	5.99	5.74	6.74
23	7.55	8.33	11.22	11.66	9.24	10.42	15.60	6.72	7.12	6.05	5.70	6.40
24	7.34	8.21	11.02	11.65	13.60	10.00	15.79	6.66	6.86	6.05	5.69	6.23
25	9.98	8.12	12.70	12.35	14.05	9.95	15.24	6.75	6.66	6.29	5.67	7.60
26	12.66	8.08	14.64	13.25	13.55	9.75	14.16	7.21	6.52	6.32	5.74	14.07
27	11.61	9.44	14.85	12.29	14.86	9.62	12.54	7.51	7.56	6.70	5.67	15.07
28	10.91	11.38	14.35	11.54	15.59	10.45	11.32	7.38	7.39	6.21	5.64	16.06
29	10.51	13.42	13.52	11.04	---	12.18	10.42	7.30	6.73	6.15	5.63	16.16
30	11.08	13.16	12.08	10.66	---	12.34	9.54	7.29	6.48	6.21	5.60	15.78
31	12.77	---	11.88	10.38	---	10.96	---	9.47	---	6.41	5.58	---
MEAN	7.93	9.10	11.37	12.96	10.24	13.76	12.60	8.40	7.38	6.17	5.84	7.77
MAX	12.77	13.42	14.85	15.97	15.59	18.56	18.03	13.18	10.17	6.70	6.47	16.16
MIN	6.42	8.08	9.32	10.38	8.54	9.62	9.10	6.66	6.14	5.87	5.58	5.54

WTR YR 1977 MEAN 9.46 MAX 18.56 MIN 5.54

MOBILE RIVER BASIN

02431000 TOMBIGBEE RIVER NEAR FULTON, MS--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	188	820	1020	828	535	1920	516	396	546	97	108	48
2	165	689	912	752	502	1530	604	368	386	89	103	48
3	132	601	813	694	474	1430	936	342	274	78	91	48
4	116	509	694	671	449	15400	5720	585	204	76	82	47
5	127	418	586	716	430	20400	15900	1070	173	75	75	47
6	179	357	516	880	414	12000	10200	815	147	72	72	52
7	197	329	482	1110	397	5880	5130	657	126	69	71	70
8	202	311	488	1120	375	3020	2800	553	112	66	66	80
9	191	296	485	1180	356	2160	1820	473	99	67	62	79
10	158	286	461	2340	358	1570	1200	415	89	108	60	72
11	142	284	438	2690	360	1210	958	364	84	102	62	66
12	129	282	658	2240	498	3710	842	317	96	101	60	63
13	116	282	824	1770	554	8230	752	275	92	96	61	66
14	110	289	752	1610	602	4730	662	234	186	100	60	84
15	104	300	666	2380	570	2940	580	206	299	98	58	110
16	104	309	583	2300	449	2100	516	185	201	88	58	145
17	110	308	510	1730	427	1470	467	173	188	89	63	123
18	108	295	457	1380	404	1160	437	164	344	80	67	99
19	112	292	425	1280	381	1020	427	154	436	72	64	118
20	148	285	698	1070	369	876	400	144	381	73	66	243
21	190	298	920	928	346	788	405	136	315	72	63	182
22	224	311	828	846	335	702	1160	126	223	73	58	132
23	220	310	720	799	416	583	2310	116	170	78	56	102
24	195	296	684	767	1180	516	2490	111	143	78	55	90
25	538	286	1000	930	1320	509	1980	118	123	94	54	242
26	994	281	1580	1110	1170	481	1350	163	112	96	58	1350
27	790	440	1690	918	1760	463	958	198	226	127	54	1880
28	664	750	1430	777	2280	588	720	183	204	89	52	2860
29	598	1140	1170	687	---	896	559	173	130	85	52	2990
30	696	1090	876	622	---	928	433	172	108	89	50	2480
31	1010	---	838	577	---	673	---	444	---	103	49	---
TOTAL	8957	12744	24204	37732	17711	99883	63232	9830	6217	2680	2010	14016
MEAN	289	425	781	1217	633	3222	2108	317	207	86.5	64.8	467
MAX	1010	1140	1690	2690	2280	20400	15900	1070	546	127	108	2990
MIN	104	281	425	577	335	463	400	111	84	66	49	47
CFSM	.47	.69	1.28	1.99	1.03	5.27	3.44	.52	.34	.14	.11	.76
IN.	.54	.77	1.47	2.29	1.08	6.07	3.84	.60	.38	.16	.12	.85
CAL YR 1976	TOTAL	304410	MEAN 832	MAX	5800	MIN 92	CFSM 1.36	IN 18.50				
WTR YR 1977	TOTAL	299216	MEAN 820	MAX	20400	MIN 47	CFSM 1.34	IN 18.19				

02431000 TOMBIGBEE RIVER NEAR FULTON, MS--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA: WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (NTU)	DISSOLVED OXYGEN (MG/L)	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	BIO-CHEMICAL OXYGEN DEMAND 30 DAY (MG/L)	BICARBONATE (MG/L)	CARBONATE (MG/L)
OCT 20...	1200	168	53	6.6	12.5	20	10.2	2.0	4.4	20	0
NOV 19...	0730	250	60	6.1	8.0	15	10.8	2.0	--	20	0
FEB 16...	1730	428	75	7.4	6.0	20	11.1	1.6	--	41	0
MAR 17...	0830	1530	59	6.5	16.0	100	7.8	2.2	--	20	0
JUN 07...	1500	124	84	6.8	26.0	15	7.5	6.2	--	30	0
JUL 06...	1400	73	73	7.3	32.0	10	6.8	5.8	--	30	0
AUG 09...	1500	65	56	7.6	31.5	15	7.3	.9	--	27	0
SEP 13...	1400	64	92	7.4	26.5	25	6.1	1.4	--	15	0

DATE	ALKALINITY AS CaCO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)
OCT 20...	16	8.0	.08	.03	.23	.26	.34	1.5	.04	.01
NOV 19...	16	25	.05	.01	.26	.27	.32	1.4	.05	.01
FEB 16...	34	2.6	.07	.08	.29	.37	.44	1.9	.04	.02
MAR 17...	16	10	.06	.11	.65	.76	.82	3.6	.10	.02
JUN 07...	25	7.6	.10	.07	.74	.81	.91	4.0	.07	.04
JUL 06...	25	2.4	.11	.20	.53	.73	.84	3.7	.05	.01
AUG 09...	22	1.1	.11	.04	.31	.35	.46	2.0	.05	.01
SEP 13...	12	1.0	.10	.04	.02	.06	.16	.71	.10	.01

MOBILE RIVER BASIN

02432500 BULL MOUNTAIN CREEK AT TREMONT, MS

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

DRAINAGE AREA.--136 mi² (353 km²).

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

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

REMARKS.--Records fair; discharges over 200 ft³/s (5.664 m³/s) not determined. No gage-height record Feb. 23 to Mar. 30.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 11.28 ft (3.438 m) Mar. 21, 1955 (discharge not determined). Minimum discharge, 4.6 ft³/s (0.130 m³/s) Sept. 13, 1954, gage height, 1.78 ft (0.542 m).

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 8.53 ft (2.600 m) Mar. 5, from floodmark (discharge not determined); minimum discharge, 6.3 ft³/s (0.178 m³/s) Sept. 5, gage height, 1.84 ft (0.561 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	100	119	135	98	---	132	81	51	20	27	10
2	30	78	106	114	94	---	133	75	37	19	28	10
3	27	68	94	121	94	---	---	72	33	19	21	8.6
4	24	63	86	142	94	---	---	124	30	18	18	7.2
5	26	58	81	134	92	---	---	165	28	16	16	7.6
6	30	55	75	129	85	---	---	115	25	16	18	19
7	40	53	81	---	80	---	---	93	24	14	16	28
8	35	51	81	178	76	---	---	84	24	14	14	45
9	31	49	70	---	76	---	---	75	23	18	12	27
10	29	50	66	---	76	---	---	66	22	34	11	22
11	28	50	69	---	75	---	188	60	21	26	19	23
12	27	54	139	---	96	---	170	56	21	25	23	22
13	26	55	142	199	130	---	157	52	21	25	16	18
14	25	52	113	---	101	---	148	49	43	22	12	25
15	24	59	102	---	90	---	138	47	42	28	11	48
16	24	57	98	---	83	---	127	45	33	26	17	48
17	23	52	88	177	79	---	117	42	37	26	42	35
18	25	51	81	165	79	---	108	41	78	22	163	28
19	42	50	77	160	77	---	100	39	60	23	48	26
20	45	53	137	150	74	---	94	38	39	22	29	45
21	52	65	172	134	71	---	90	36	33	21	24	36
22	42	60	127	122	70	195	159	33	29	20	21	27
23	37	52	110	115	110	175	186	32	27	18	19	23
24	37	50	99	162	---	160	172	33	25	18	18	23
25	91	50	176	179	---	150	141	34	23	18	18	80
26	153	56	---	152	---	140	120	38	23	18	17	---
27	83	100	---	144	---	130	107	42	25	36	16	---
28	62	148	188	135	---	160	97	45	37	24	15	---
29	54	---	156	119	---	180	91	38	25	19	14	151
30	91	150	134	106	---	158	86	36	21	22	14	---
31	159	---	150	105	---	144	---	58	---	23	12	---
TOTAL	1462	---	---	---	---	---	---	1844	960	670	749	---
MEAN	47.2	---	---	---	---	---	---	59.5	32.0	21.6	24.2	---
MAX	159	---	---	---	---	---	---	165	78	36	163	---
MIN	23	---	---	---	---	---	---	32	21	14	11	---
CFSM	.39	---	---	---	---	---	---	.50	.27	.18	.20	---
IN.	.45	---	---	---	---	---	---	.57	.30	.21	.23	---

02433000 BULL MOUNTAIN CREEK NEAR SMITHVILLE, MS

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

DRAINAGE AREA.--336 mi² (870 km²).

WATER-DISCHARGE RECORDS

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

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

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

REMARKS.--Records good.

AVERAGE DISCHARGE.--37 years, 563 ft³/s (15.94 m³/s), 22.76 in/yr (578 mm/yr).

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

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

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

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Mar. 5	0930	*19700	558	Apr. 5	1900	10300	292
Mar. 14	0030	8020	227				12.76 3.889
			12.23 3.728				

Minimum discharge, 38 ft³/s (1.08 m³/s) Sept. 4, 5, gage height, 2.32 ft (0.707 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	122	588	601	595	400	1280	519	329	293	73	77	43
2	114	362	463	507	380	935	504	301	212	69	80	41
3	105	283	404	480	373	1020	891	281	147	70	82	40
4	100	247	360	536	373	6520	2390	318	122	78	67	38
5	98	221	327	577	371	15700	6870	577	109	67	64	39
6	115	205	303	554	351	7010	6480	511	102	62	68	49
7	130	192	303	728	321	3880	3450	369	99	60	64	67
8	191	185	318	830	303	2990	2260	303	91	58	58	76
9	142	178	297	1090	299	2340	1390	279	88	57	53	107
10	125	174	263	1550	291	1580	980	245	85	64	49	88
11	119	174	265	1700	289	1150	795	229	82	127	51	74
12	112	180	418	1880	329	2630	687	219	79	102	50	70
13	104	187	614	1160	456	5170	606	214	76	85	65	67
14	102	198	533	1110	475	5920	551	207	105	87	53	89
15	99	198	444	1250	384	3180	511	203	148	88	49	114
16	96	200	404	1250	340	2080	468	200	161	121	58	145
17	95	203	373	901	312	1340	423	198	143	88	57	174
18	95	191	336	701	301	1010	387	196	155	82	105	137
19	125	183	310	619	297	868	360	191	221	96	285	151
20	221	182	391	562	287	820	334	187	203	89	134	156
21	231	192	667	564	275	779	338	180	155	76	87	194
22	293	210	664	519	263	695	823	176	124	72	71	143
23	251	214	483	483	384	625	976	166	107	83	64	100
24	219	192	423	622	1440	569	990	161	96	78	60	88
25	301	180	734	773	1580	533	973	159	87	81	57	100
26	528	182	1210	713	1910	507	725	158	83	73	55	240
27	546	239	1340	608	2030	480	538	158	82	71	53	680
28	295	418	1160	562	1430	577	456	159	83	90	50	540
29	218	728	758	504	---	734	398	161	98	78	49	500
30	277	915	611	444	---	749	358	166	81	74	47	680
31	536	---	601	409	---	590	---	231	---	75	45	---
TOTAL	6105	8001	16378	24781	16244	74261	37431	7432	3717	2474	2207	5030
MEAN	197	267	528	799	580	2396	1248	240	124	79.8	71.2	168
MAX	546	915	1340	1880	2030	15700	6870	577	293	127	285	680
MIN	95	174	263	409	263	480	334	158	76	57	45	38
CFSM	.59	.80	1.57	2.38	1.73	7.13	3.71	.71	.37	.24	.21	.50
IN.	.68	.89	1.81	2.74	1.80	8.22	4.14	.82	.41	.27	.24	.56
CAL YR 1976	TOTAL	187366	MEAN 512	MAX 3280	MIN 64	CFSM 1.52	IN 20.74					
WTR YR 1977	TOTAL	204061	MEAN 559	MAX 15700	MIN 38	CFSM 1.66	IN 22.59					

MOBILE RIVER BASIN

02433000 BULL MOUNTAIN CREEK NEAR SMITHVILLE, MS--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	DIS- SOLVED OXYGEN (MG/L)	RIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)
OCT										
20...	1100	216	30	6.3	12.0	10	9.8	1.8	15	0
NOV										
18...	1700	187	30	6.4	9.0	6.0	10.2	1.9	10	0
FEB										
16...	1630	332	29	7.5	6.5	10	10.9	2.5	12	0
AUG										
09...	1400	53	28	6.5	26.5	50	6.8	.6	20	0
SEP										
13...	1330	214	50	6.9	23.5	10	6.1	.6	8	0

DATE	ALKA- LINITY AS CaCO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)
OCT										
20...	12	12	.09	.02	.04	.06	.15	.66	.02	.00
NOV										
18...	8	6.4	.06	.01	.17	.18	.24	1.1	.01	.01
FEB										
16...	10	.6	.12	.05	.21	.26	.38	1.7	.01	.00
AUG										
09...	16	10	.14	.02	.25	.27	.41	1.8	.03	.01
SEP										
13...	7	1.6	.10	.01	.02	.03	.13	.58	.05	.01

02433500 TOMBIGBEE RIVER AT BIGBEE, MS

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

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

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

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

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

REMARKS.--Records good.

AVERAGE DISCHARGE.--24 years, 2,101 ft³/s (59.50 m³/s), 23.27 in/yr (591 mm/yr).

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

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

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

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Mar. 6	1100	35800 1010	21.20 6.462	Apr. 6	2400	22800 646	18.48 5.633
Mar. 14	1915	13400 379	15.66 4.773				

Minimum discharge, 103 ft³/s (2.92 m³/s) Sept. 4, 5, gage height, 1.79 ft (0.546 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	433	1910	2090	1780	965	3980	2000	1030	998	234	214	109
2	389	1560	1760	1480	911	3930	1900	916	900	214	216	107
3	349	1210	1570	1220	879	4230	1950	838	663	202	219	105
4	303	988	1280	1290	874	11700	6100	1020	550	197	200	105
5	275	802	987	1400	879	15700	8890	1690	450	188	177	103
6	300	646	803	1430	858	32700	18800	1930	380	179	164	107
7	402	562	740	2090	794	22600	17800	1710	334	173	153	123
8	458	519	765	2200	740	13100	10900	1400	305	166	149	143
9	462	494	789	2880	712	7870	6670	1340	280	164	141	173
10	406	472	712	4670	700	6450	5120	1200	259	200	131	190
11	359	469	671	4050	691	4900	4020	976	248	257	125	168
12	326	476	905	4380	745	7020	3200	736	227	289	123	149
13	300	490	1390	4280	976	7640	2700	634	227	243	129	141
14	281	508	1530	4550	1140	11700	2200	573	265	234	131	166
15	272	534	1300	4400	1010	10800	1800	524	434	243	119	232
16	263	534	1090	4090	879	7930	1600	490	532	321	119	274
17	254	546	954	3690	794	5930	1400	470	442	268	137	337
18	254	526	828	3300	736	4470	1200	450	442	219	177	321
19	257	512	740	3090	712	3700	1100	430	642	206	280	280
20	269	501	1130	2550	695	3200	1050	415	716	206	254	401
21	340	530	1720	1810	667	2800	1060	400	618	188	184	458
22	396	566	1850	1540	638	2500	3000	390	516	179	156	393
23	429	570	1490	1360	691	2250	3480	380	401	179	139	295
24	389	534	1300	1610	2460	2000	3830	370	334	195	129	240
25	538	505	2010	2000	3150	1900	3850	370	298	190	121	234
26	1400	501	3350	1980	3300	1800	3790	400	271	214	117	799
27	1760	598	3030	1740	4110	1700	3170	480	257	206	117	2210
28	1420	1210	3110	1580	3890	1800	2450	540	324	229	115	2760
29	1090	2230	2700	1420	---	2100	1680	500	341	234	113	2930
30	1200	2270	2370	1200	---	2200	1240	520	274	204	111	2910
31	1720	---	2120	1030	---	2100	---	663	---	195	111	---
TOTAL	17294	23773	47084	76090	35596	212700	127950	23785	12928	6616	4771	16963
MEAN	558	792	1519	2455	1271	6861	4265	767	431	213	154	565
MAX	1760	2270	3350	4670	4110	32700	18800	1930	998	321	280	2930
MIN	254	469	671	1030	638	1700	1050	370	227	164	111	103
CFSM	.46	.65	1.24	2.00	1.04	5.60	3.48	.63	.35	.17	.13	.46
IN.	.52	.72	1.43	2.31	1.08	6.45	3.88	.72	.39	.20	.14	.51

CAL YR 1976 TOTAL 678447 MEAN 1854 MAX 9360 MIN 170 CFSM 1.51 IN 20.59
WTR YR 1977 TOTAL 605550 MEAN 1659 MAX 32700 MIN 103 CFSM 1.35 IN 18.37

02435020 TOWN CREEK AT EASON BOULEVARD AT TUPELO, MS

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

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

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

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

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

AVERAGE DISCHARGE.--7 years, 495 ft³/s (14.02 m³/s), 29.23 in/yr (742 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,400 ft³/s (634 m³/s) Mar. 16, 1973, gage height, 27.05 ft (8.245 m); minimum, 1.9 ft³ (0.054 m³/s) Sept. 13, 1977, gage height, 2.62 ft (0.799 m).

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

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Mar. 4	1500	*17300	490	26.34	8.028	Apr. 4	2145	11600	328	25.22	7.687
Mar. 12	1445	9000	255	24.53	7.477						

Minimum discharge, 1.9 ft³/s (0.054 m³/s) Sept. 13, gage height, 2.62 ft (0.799 m).

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.77	3.05	3.19	3.37	3.15	4.50	3.21	3.06	2.94	2.72	2.78	2.65
2	2.76	2.94	3.11	3.27	3.17	4.05	3.77	3.04	2.83	2.71	2.74	2.65
3	2.76	2.88	3.05	3.37	3.17	10.15	5.88	3.22	2.80	2.70	2.71	2.66
4	2.74	2.84	3.01	3.85	3.17	25.77	23.93	6.77	2.78	2.69	2.70	2.67
5	2.79	2.82	2.98	3.81	3.16	21.02	23.01	4.88	2.77	2.69	2.69	2.69
6	3.17	2.81	2.99	5.10	3.11	13.79	11.79	4.18	2.77	2.69	2.69	2.75
7	2.89	2.81	3.24	8.22	3.08	9.44	8.24	3.72	2.77	2.68	2.69	2.75
8	2.81	2.79	3.16	4.24	3.07	7.98	6.90	4.58	2.84	2.68	2.68	2.68
9	2.78	2.80	3.07	12.91	3.08	6.79	5.74	5.74	2.92	2.86	2.66	2.67
10	2.75	2.80	2.99	14.01	3.09	5.74	5.01	3.23	2.92	2.82	2.69	2.66
11	2.74	2.81	3.22	5.16	3.07	5.22	4.56	3.12	2.79	2.76	2.69	2.68
12	2.73	2.81	3.69	4.30	3.17	21.42	4.20	3.06	2.73	2.72	2.67	2.66
13	2.72	2.83	3.51	4.09	3.19	16.41	3.65	3.02	2.74	2.71	2.67	2.65
14	2.72	2.83	3.17	13.17	3.14	8.38	3.41	2.99	2.78	2.87	2.68	2.77
15	2.71	2.84	3.11	9.20	3.11	6.97	3.24	2.96	2.78	2.71	2.69	2.80
16	2.77	2.84	3.06	5.45	3.09	5.89	3.18	2.94	2.85	2.69	2.77	3.20
17	2.77	2.83	3.03	4.24	3.06	5.16	3.14	2.92	2.87	2.74	2.71	2.83
18	2.74	2.82	3.00	3.88	3.06	4.79	3.11	2.90	2.86	2.74	2.69	2.75
19	2.73	2.81	2.99	3.87	3.05	4.39	3.08	2.89	3.00	2.70	2.70	3.89
20	2.87	2.87	8.87	3.61	3.04	4.13	3.06	2.88	2.83	2.70	2.68	3.27
21	2.79	2.88	4.25	3.49	3.03	3.84	3.29	2.87	2.76	2.71	2.70	2.88
22	2.76	2.85	3.31	3.36	3.03	3.50	9.10	2.85	2.73	2.71	2.72	2.76
23	2.75	2.83	3.17	3.33	4.18	3.28	5.42	2.87	2.72	2.85	2.69	2.72
24	2.78	2.82	3.13	4.84	7.98	3.24	4.56	2.91	2.71	2.76	2.67	3.04
25	3.77	2.82	11.53	4.47	3.91	3.21	3.88	2.90	2.71	2.73	2.67	4.76
26	3.34	2.88	10.31	3.71	4.87	3.18	3.41	2.90	2.77	2.75	2.67	7.01
27	2.97	3.36	4.61	3.61	13.49	3.17	3.29	2.90	3.44	2.72	2.67	4.84
28	2.84	6.97	3.79	3.44	5.69	3.87	3.20	2.87	2.91	2.76	2.68	4.41
29	2.81	6.06	3.43	3.24	---	4.03	3.13	2.84	2.80	2.74	2.67	4.11
30	5.61	3.47	3.33	3.19	---	3.35	3.10	2.83	2.74	2.72	2.65	4.45
31	3.71	---	4.36	3.20	---	3.24	---	3.15	---	2.85	2.65	---
MEAN	2.96	3.13	3.99	5.13	3.87	7.42	5.82	3.35	2.83	2.74	2.69	3.24
MAX	5.61	6.97	11.53	14.01	13.49	25.77	23.93	6.77	3.44	2.87	2.78	7.01
MIN	2.71	2.79	2.98	3.19	3.03	3.17	3.06	2.83	2.71	2.68	2.65	2.65
WTR YR 1977 MEAN 3.93 MAX 25.77 MIN 2.65												

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	48	75	110	68	276	82	50	26	5.6	7.6	2.3
2	13	33	58	94	73	214	163	47	14	5.2	5.6	2.3
3	13	25	48	112	73	2590	580	78	12	4.9	4.6	2.5
4	12	22	42	184	73	14000	8300	601	11	4.6	4.3	2.7
5	17	19	37	178	70	5760	7070	326	10	4.6	3.7	3.0
6	64	18	39	375	60	2170	1670	232	11	4.6	3.7	4.6
7	26	18	88	888	54	1070	839	165	11	4.3	3.7	4.9
8	18	17	70	239	52	794	619	296	17	4.3	3.5	2.8
9	16	17	52	2690	54	602	446	462	24	14	3.0	2.7
10	14	17	39	2550	58	446	343	86	24	12	3.5	2.5
11	13	18	78	364	52	371	283	62	12	7.1	3.5	2.8
12	12	18	161	249	73	6510	235	50	8.0	5.6	3.0	2.5
13	12	19	134	219	78	3540	155	43	9.5	5.2	3.0	2.3
14	12	21	73	2120	66	864	119	39	11	18	3.2	5.9
15	11	21	60	1110	60	630	88	35	11	5.2	3.2	9.0
16	15	21	50	405	54	467	75	32	19	4.6	5.9	78
17	15	20	45	240	50	362	66	31	18	6.3	3.7	21
18	13	19	40	187	50	313	60	27	17	6.3	3.2	14
19	12	18	39	187	48	262	54	26	39	4.9	3.5	178
20	26	24	1040	149	47	225	50	25	16	4.9	2.8	88
21	17	25	240	131	45	183	88	24	9.5	5.6	3.2	25
22	13	22	101	110	45	133	1080	22	8.0	5.2	3.7	14
23	14	21	73	106	221	97	405	24	7.6	17	3.0	12
24	16	19	64	321	834	88	283	30	7.1	7.1	2.7	56
25	168	19	1950	271	192	82	189	28	7.1	6.3	2.7	311
26	104	26	1450	163	362	75	119	27	11	6.3	2.7	701
27	36	107	290	149	2170	73	99	27	119	5.2	2.7	329
28	21	685	175	123	439	180	82	24	21	6.7	2.8	264
29	18	520	122	88	---	210	64	21	11	5.9	2.7	218
30	430	126	104	78	---	109	58	20	6.3	5.2	2.3	268
31	159	---	254	78	---	88	---	68	---	13	2.3	---
TOTAL	1343	2003	7091	14268	5521	42724	23764	3028	928.1	215.7	109.0	2629.8
MEAN	43.3	66.8	229	460	197	1378	792	97.7	17.6	6.96	3.52	87.7
MAX	430	685	1950	2690	2170	14000	8300	601	119	18	7.6	701
MIN	11	17	37	78	45	73	50	20	6.3	4.3	2.3	2.3
CFSM	.19	.29	1.00	2.00	.86	5.99	3.44	.43	.08	.03	.02	.38
IN.	.22	.32	1.15	2.31	.89	6.91	3.84	.49	.09	.03	.02	.43
CAL YR 1976	TOTAL	118068.0	MEAN	323	MAX	8830	MIN	5.4	CFSM	1.40	IN	19.10
WTR YR 1977	TOTAL	103224.6	MEAN	283	MAX	14000	MIN	2.3	CFSM	1.23	IN	16.70

02436500 TOWN CREEK NEAR NETTLETON, MS

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

DRAINAGE AREA.--617 mi² (1,598 km²).

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1504: 1948.

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

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

AVERAGE DISCHARGE.--38 years, 931 ft³/s (26.37 m³/s), 20.49 in/yr (520 mm/yr).

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

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

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

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Mar. 4	0730	*34,500 977	*29.34 8.943	Apr. 4	Unknown	Unknown	Unknown
Mar. 12	0745	19,400 549	26.99 8.227				

Minimum discharge, 13 ft³/s (0.37 m³/s) Sept. 5, gage height, 5.10 ft (1.554 m).

CORRECTION.--The gage height for peak discharges above base for Jan. 3, 1976, at 0730, discharge: 15,000 ft³/s (425 m³/s) is 25.58 ft (7.797 m). This supersedes figure published in MS-76-1.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	157	182	292	175	116	223	134	126	29	61	15
2	23	112	159	255	170	519	325	119	87	27	46	15
3	22	95	136	252	167	5200	5000	193	69	25	42	15
4	21	83	119	378	164	28800	14000	780	62	22	39	14
5	20	73	105	368	162	17400	12000	540	58	19	36	14
6	128	66	102	644	160	9180	5000	381	58	18	34	19
7	95	62	166	2050	159	4140	2500	281	60	18	32	35
8	58	58	161	569	155	2780	1400	740	66	18	30	26
9	51	55	123	5460	159	1960	1050	2360	62	24	28	19
10	46	52	114	5770	155	1420	800	316	50	292	26	18
11	42	51	121	1070	192	1050	640	152	40	239	25	17
12	38	55	533	625	236	14500	500	114	36	258	24	15
13	36	55	372	487	272	8190	380	98	35	79	23	16
14	34	55	206	4180	206	2740	320	87	35	102	22	30
15	33	58	163	2850	179	1800	270	80	38	96	22	47
16	32	61	138	996	163	1250	230	77	43	286	36	138
17	36	59	119	704	192	912	210	76	144	44	36	62
18	37	57	114	696	155	756	190	76	100	28	42	36
19	36	56	108	558	150	598	170	74	98	30	34	239
20	43	55	2170	388	144	576	160	74	71	50	25	334
21	46	70	836	304	142	467	228	74	47	30	20	93
22	39	71	289	260	140	381	2710	74	37	28	18	55
23	37	67	213	230	269	292	1240	71	33	29	18	37
24	36	63	177	280	2520	261	660	73	30	95	18	32
25	292	59	3430	260	648	250	463	83	28	58	18	551
26	287	59	3330	240	533	228	319	71	27	756	17	816
27	112	163	700	225	4370	213	252	71	103	136	17	255
28	70	860	397	210	1260	625	213	155	67	170	16	598
29	56	1360	275	200	---	696	175	80	37	252	14	394
30	936	307	213	190	---	356	152	64	32	100	15	591
31	487	---	491	180	---	261	---	319	---	90	15	---
TOTAL	3252	4454	15762	31171	13317	108517	51780	7887	1779	3448	849	4546
MEAN	105	148	508	1006	476	3501	1726	254	59.3	111	27.4	152
MAX	936	1360	3430	5770	4370	28800	14000	2360	144	756	61	816
MIN	20	51	102	180	140	213	152	64	27	18	14	14
CFSM	.17	.24	.82	1.63	.77	5.67	2.80	.41	.10	.18	.04	.25
IN.	.20	.27	.95	1.88	.80	6.54	3.12	.48	.11	.21	.05	.27

CAL YR 1976	TOTAL	279099	MEAN	763	MAX	13300	MIN	17	CFSM	1.24	IN	16.83
WTR YR 1977	TOTAL	246762	MEAN	676	MAX	28800	MIN	14	CFSM	1.10	IN	14.88

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (NTU)	DISSOLVED OXYGEN (MG/L)	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT 20...	1200	119	450	7.5	13.5	10	10.0	11	135	0
NOV 19...	0900	57	410	6.3	10.0	9.0	13.5	8.2	144	0
FEB 17...	0900	140	272	7.9	6.0	15	11.7	5.1	126	0
AUG 10...	0930	25	453	8.5	30.5	--	9.1	4.2	130	0
SEP 13...	1130	18	900	8.9	24.5	20	5.5	8.3	150	4

DATE	ALKALINITY AS CaCO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)
OCT 20...	111	6.8	.93	.89	1.3	2.2	3.1	14	.94	.64
NOV 19...	118	115	.51	.64	1.4	2.0	2.5	11	.83	.56
FEB 17...	103	2.5	.12	.47	.83	1.3	1.4	6.3	.47	.31
AUG 10...	110	.7	--	--	--	--	--	--	--	2.3
SEP 13...	130	.3	.00	.02	1.5	1.5	1.5	6.6	.92	.67

02437000 TOMBIGBEE RIVER NEAR AMORY, MS

LOCATION.--Lat 33°59'07", long 88°33'03", in NW¼NE¼ sec.3, T.13 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, near right bank on downstream side of bridge on U.S. Highway 278, 0.3 mi (0.5 km) downstream from Town Creek, 3.5 mi (5.6 km) west of Amory, and at mile 378.9 (609.7 km).

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

WATER-DISCHARGE RECORDS

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

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

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

REMARKS. - - Records good.

AVERAGE DISCHARGE.--40 years, 3,064 ft³/s (86.77 m³/s) 21.63 in/yr (549 mm/yr).

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

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

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

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Mar. 6	1300	*45100	1280	28.32	8.632	Apr. 6	0745	25900	735	25.29	7.708
Mar. 13	0145	20900	592	23.87	7.276						

Minimum discharge, 108 ft³/s (3.06 m³/s) Sept. 2, gage height 4.40 ft (1.341 m).

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.58	8.79	9.25	9.34	7.41	12.53	8.64	7.70	7.78	5.21	5.24	4.47
2	5.44	8.13	8.71	8.56	7.29	11.86	8.41	7.46	7.34	5.12	5.19	4.47
3	5.32	7.42	8.36	8.13	7.20	13.03	12.22	7.31	6.63	5.05	5.16	4.46
4	5.17	6.97	7.88	8.43	7.19	25.34	21.56	7.76	6.16	5.01	5.08	4.45
5	5.07	6.61	7.35	8.66	7.17	27.72	24.82	9.56	5.87	4.97	4.97	4.44
6	5.38	6.30	6.97	8.70	7.08	28.08	25.16	9.74	5.70	4.94	4.90	4.50
7	5.77	6.08	6.90	12.11	6.91	26.28	24.17	9.30	5.67	4.90	4.83	4.74
8	5.73	5.94	6.98	10.51	6.77	23.55	22.13	9.19	5.53	4.87	4.79	4.86
9	5.73	5.86	6.94	13.10	6.70	21.13	19.76	12.16	5.44	4.87	4.76	4.90
10	5.54	5.78	6.73	20.36	6.65	18.92	17.24	8.66	5.39	5.77	4.71	4.94
11	5.37	5.77	6.60	16.71	6.62	16.54	14.61	7.86	5.34	5.45	4.68	4.84
12	5.27	5.80	7.79	13.99	6.84	20.83	12.28	7.15	5.23	6.55	4.68	4.72
13	5.17	5.83	8.64	13.29	7.46	23.40	10.70	6.74	5.19	5.40	4.69	4.70
14	5.11	5.87	8.55	15.60	7.61	22.08	9.81	6.47	5.31	5.48	4.70	4.84
15	5.07	5.95	8.02	18.00	7.36	21.48	9.15	6.30	5.80	5.32	4.65	5.20
16	5.05	5.96	7.59	14.94	7.05	19.61	8.60	6.20	6.14	6.24	4.73	5.54
17	5.06	5.97	7.27	12.80	6.82	17.37	8.18	6.11	6.20	5.50	4.86	5.70
18	5.06	5.91	7.00	11.91	6.70	14.99	7.86	6.07	6.07	5.17	5.29	5.50
19	5.05	5.86	6.77	11.20	6.63	12.87	7.63	5.93	6.56	5.69	5.32	5.40
20	5.16	5.82	9.62	10.51	6.55	11.51	7.41	5.89	6.67	5.17	5.26	6.84
21	5.42	5.94	10.65	9.54	6.46	10.68	7.38	5.78	6.43	5.05	4.96	6.10
22	5.50	6.03	9.28	8.94	6.40	10.09	13.18	5.71	6.11	4.97	4.82	5.84
23	5.59	6.03	8.56	8.52	6.49	9.44	14.20	5.70	5.79	4.96	4.74	5.44
24	5.47	5.92	8.06	9.60	12.92	8.99	12.99	5.70	5.56	5.20	4.68	5.26
25	6.21	5.83	11.28	10.70	12.06	8.66	12.51	5.70	5.43	5.16	4.64	6.40
26	8.27	5.81	16.91	9.81	11.44	8.39	12.34	5.88	5.33	6.69	4.61	7.70
27	8.49	6.24	12.79	9.29	16.64	8.19	11.48	6.24	5.38	5.78	4.60	9.40
28	7.83	7.79	11.53	8.88	14.91	8.69	10.39	6.36	5.70	5.35	4.54	10.10
29	7.13	11.37	10.76	8.41	---	10.17	9.12	6.16	5.64	6.14	4.52	11.14
30	8.45	9.66	10.11	7.94	---	9.64	8.21	6.00	5.38	5.50	4.48	10.74
31	9.41	---	10.08	7.62	---	9.18	---	6.90	---	5.28	4.47	---
MEAN	5.93	6.57	8.84	11.16	8.12	15.85	13.07	7.09	5.89	5.36	4.82	5.92
MAX	9.41	11.37	16.91	20.36	16.64	28.08	25.16	12.16	7.78	6.69	5.32	11.14
MIN	5.05	5.77	6.60	7.62	6.40	8.19	7.38	5.70	5.19	4.87	4.47	4.44
CAL YR 1976	MEAN	9.11	MAX	22.81	MIN	4.66						
WTR YR 1977	MEAN	8.22	MAX	28.08	MIN	4.44						

MOBILE RIVER BASIN

49

02437000 TOMBIGBEE RIVER NEAR AMORY, MS--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	468	2110	2370	2420	1330	4250	1770	1270	1310	278	286	119
2	412	1730	2060	1980	1260	3870	1640	1150	1090	254	272	119
3	376	1340	1870	1730	1210	4780	3960	1080	771	236	265	118
4	331	1080	1590	1910	1210	29300	15300	1300	584	226	244	116
5	301	895	1300	2040	1200	40300	24000	2330	481	219	217	114
6	400	750	1080	2060	1140	43000	25300	2430	426	210	201	124
7	528	652	1050	4010	1050	31400	21800	2170	413	201	186	168
8	512	596	1090	3090	975	20000	16100	2110	368	195	178	193
9	512	564	1070	4920	940	13800	11000	3940	342	195	172	201
10	444	532	955	12100	915	9650	7550	1790	327	467	162	210
11	391	528	890	7170	900	6880	5510	1350	313	347	156	188
12	361	540	1540	5110	1020	14200	3970	998	283	754	156	164
13	331	552	2020	4690	1360	19500	3010	813	272	330	158	160
14	313	568	1970	6440	1440	15900	2480	702	305	356	160	188
15	301	600	1670	8410	1300	14500	2080	636	457	308	150	275
16	295	604	1430	5710	1130	10800	1750	599	577	629	166	371
17	298	608	1250	4410	1000	7660	1510	566	599	362	195	423
18	298	584	1100	3890	940	5750	1350	551	551	267	299	359
19	295	564	975	3480	905	4360	1240	502	742	246	308	330
20	328	548	2590	3090	865	3500	1130	488	783	267	291	856
21	406	596	3170	2540	822	3000	1110	450	690	236	215	562
22	430	632	2390	2200	795	2640	4600	426	566	217	184	471
23	461	632	1980	1960	840	2250	5230	423	454	215	168	342
24	421	588	1690	2570	4490	1980	4440	423	378	275	156	291
25	745	552	3620	3200	3970	1790	4120	423	339	265	149	674
26	1810	544	7240	2690	3620	1630	4010	484	310	873	143	1270
27	1940	727	4400	2400	7080	1520	3480	614	327	457	141	2290
28	1860	1550	3670	2160	5730	1800	2820	659	423	316	131	2650
29	1180	3580	3230	1890	---	2690	2060	584	403	584	127	3270
30	1920	2620	2860	1630	---	2370	1530	626	324	362	121	3030
31	2660	---	2850	1450	---	2100	---	882	---	297	119	---
TOTAL	20928	27966	66970	113350	49437	327170	185850	32769	15208	10444	5876	19646
MEAN	672	932	2160	3656	1766	10550	6195	1057	507	337	190	655
MAX	2460	3580	7240	12100	7080	43000	25300	3940	1310	873	308	3270
MIN	295	528	890	1450	795	1520	1110	423	272	195	119	114
CFSM	.35	.48	1.12	1.90	.92	5.48	3.22	.55	.26	.18	.10	.34
IN.	.40	.54	1.29	2.19	.96	6.33	3.59	.63	.29	.20	.11	.38
CAL YR 1976 TOTAL	966836			MEAN 2642	MAX 17800	MIN 190	CFSM 1.37	IN 18.69				
WTR YR 1977 TOTAL	875514			MEAN 2399	MAX 43000	MIN 114	CFSM 1.25	IN 16.93				

MOBILE RIVER BASIN

02437000 TOMBIGBEE RIVER NEAR AMORY, MS--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 30 DAY (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)
OCT 20...	1030	307	130	6.1	13.5	10	10.2	3.2	6.6	47	0
NOV 18...	1530	576	95	6.3	9.0	15	10.3	3.5	--	37	0
FEB 16...	1530	1110	105	7.4	7.5	15	11.3	3.0	--	31	0
MAR 17...	1030	7720	94	6.9	16.0	100	7.3	2.1	--	44	0
JUN 07...	1630	416	120	7.1	26.0	20	6.9	4.4	--	49	0
JUL 06...	1630	208	108	7.5	33.5	7.0	6.9	5.8	--	41	0
AUG 09...	1200	172	123	7.5	30.5	10	6.0	1.6	--	41	0
SEP 13...	1230	166	182	7.6	26.0	25	6.1	1.9	--	32	0

DATE	ALKA- LINITY AS CaCO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)
OCT 20...	39	60	.17	.04	.34	.38	.55	2.4	.13	.06
NOV 18...	30	30	.10	.04	.52	.56	.66	2.9	.13	.07
FEB 16...	25	2.0	.12	.10	.48	.58	.70	3.1	.10	.00
MAR 17...	36	8.9	.10	.12	.56	.68	.78	3.5	.13	.03
JUN 07...	40	6.2	.08	.13	1.3	1.4	1.5	6.6	.07	.03
JUL 06...	34	2.1	.02	.23	1.2	1.4	1.4	6.3	.04	.01
AUG 09...	34	2.1	.02	.04	.50	.54	.56	2.5	.08	.01
SEP 13...	26	1.3	.02	.01	.21	.22	.24	1.1	.12	.04

MOBILE RIVER BASIN

51

02437500 TOMBIGBEE RIVER AT ABERDEEN, MS

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

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

WATER-DISCHARGE RECORDS

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

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

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

REMARKS.--Records good.

AVERAGE DISCHARGE.--36 years, 3,289 ft³/s (93.14 m³/s), 20.59 in/yr (523 mm/yr).

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 42,700 ft³/s (1,210 m³/s) Mar. 6, gage height, 39.59 ft (12.067 m); minimum, 152 ft³/s (4.30 m³/s) Sept. 5, gage height, 3.94 ft (1.201 m).

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.74	10.96	11.98	12.89	9.21	20.32	11.47	9.55	8.87	5.15	5.37	4.06
2	5.40	10.09	11.02	11.22	8.97	17.07	11.07	8.95	8.48	4.97	5.24	4.02
3	5.23	8.89	10.37	10.32	8.81	16.37	17.08	8.59	7.58	4.86	5.12	3.98
4	5.04	8.04	9.70	10.55	8.76	31.29	26.37	10.14	6.75	4.77	5.04	3.96
5	4.86	7.44	8.86	11.19	8.74	37.98	32.45	12.66	6.21	4.72	4.88	3.95
6	5.00	6.91	8.14	11.20	8.62	39.21	35.75	12.15	5.89	4.67	4.75	4.02
7	5.71	6.50	7.82	15.55	8.38	39.32	36.80	11.64	5.75	4.61	4.63	4.26
8	5.78	6.24	7.96	15.54	8.12	38.21	35.97	10.85	5.66	4.59	4.55	4.56
9	5.80	6.09	7.95	16.48	7.94	36.16	33.83	14.59	5.47	4.58	4.49	4.60
10	5.60	5.97	7.69	25.11	7.87	33.48	31.27	12.39	5.38	5.36	4.43	4.68
11	5.33	5.93	7.44	26.37	7.80	30.78	28.43	9.70	5.29	6.45	4.36	4.66
12	5.14	5.97	9.84	24.67	7.92	30.77	24.98	8.57	5.20	7.60	4.33	4.50
13	5.01	6.05	12.23	21.73	8.99	33.52	19.22	7.79	5.06	6.44	4.31	4.40
14	4.89	6.12	11.18	21.28	9.42	34.10	13.71	7.38	5.04	5.79	4.34	4.48
15	4.80	6.25	10.27	24.17	9.25	33.23	12.02	7.09	5.44	5.63	4.30	4.89
16	4.77	6.33	9.55	24.09	8.70	32.01	11.12	6.86	6.14	5.94	4.28	5.48
17	4.72	6.30	---	21.55	8.26	30.12	10.43	6.69	6.31	6.32	4.56	5.86
18	4.77	6.26	---	17.72	7.98	27.76	9.88	6.51	6.53	5.54	4.95	5.67
19	4.75	6.15	---	16.09	7.82	24.69	9.50	6.35	7.04	5.13	5.26	5.43
20	4.78	6.08	---	15.15	7.70	20.38	9.18	6.22	7.46	5.03	5.39	6.71
21	5.10	6.13	---	12.71	7.57	15.63	9.20	6.12	7.29	5.06	4.96	6.87
22	5.33	6.35	12.35	11.67	7.45	13.64	16.67	6.01	6.65	4.86	4.63	6.29
23	5.47	6.38	10.99	10.91	7.86	12.57	21.86	5.91	6.19	4.81	4.46	5.72
24	5.46	6.28	9.99	12.63	16.81	11.75	20.23	5.87	5.74	5.05	4.37	5.28
25	6.64	6.17	12.05	15.70	18.87	11.17	17.69	5.95	5.48	5.51	4.33	5.42
26	9.67	6.09	22.03	13.90	16.20	10.74	16.64	6.17	5.30	6.00	4.27	7.20
27	9.97	6.51	21.71	12.62	19.34	10.37	15.63	6.90	5.17	7.72	4.22	10.54
28	9.44	8.48	17.61	11.85	22.00	10.77	14.13	6.93	5.49	5.77	4.21	12.32
29	8.27	15.07	14.80	11.07	---	13.89	12.23	6.97	5.72	6.41	4.18	13.38
30	9.30	13.49	13.34	10.25	---	13.22	10.57	6.49	5.44	6.29	4.11	14.35
31	13.12	---	13.08	9.59	---	12.48	---	7.27	---	5.66	4.08	---
MEAN	6.16	7.32	---	15.67	10.19	23.97	19.18	8.23	6.13	5.53	4.59	6.05
MAX	13.12	15.07	---	26.37	22.00	39.32	36.80	14.59	8.87	7.72	5.39	14.35
MIN	4.72	5.93	---	9.59	7.45	10.37	9.18	5.87	5.04	4.58	4.08	3.95

MOBILE RIVER BASIN

02437500 TOMBIGBEE RIVER AT ABERDEEN, MS--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	561	2060	2430	2790	1470	6280	2240	1570	1360	355	400	169
2	480	1750	2080	2150	1390	4630	2100	1380	1240	320	373	163
3	442	1370	1850	1830	1340	4330	4690	1270	972	300	349	158
4	400	1110	1620	1910	1320	15200	10000	1790	733	283	334	155
5	363	926	1360	2140	1320	30500	15500	2700	591	276	303	153
6	389	774	1140	2140	1280	38800	21600	2500	514	266	280	163
7	545	664	1040	3930	1210	40000	24700	2300	482	255	259	198
8	561	598	1090	3920	1130	31500	22200	2020	462	252	245	247
9	564	561	1080	4430	1080	22900	17400	3510	421	250	235	254
10	514	533	1000	9100	1060	16900	13900	2600	402	412	225	267
11	453	524	926	9990	1040	13500	11500	1620	383	654	214	264
12	410	533	1690	8800	1070	13400	9020	1270	365	987	209	237
13	383	552	2530	7070	1400	16900	5740	1030	337	656	206	220
14	357	569	2140	6820	1530	17800	3130	908	334	491	211	233
15	337	601	1810	8460	1480	16400	2450	824	417	455	204	309
16	332	621	1570	8410	1310	14800	2120	763	576	533	201	423
17	320	613	1400	6970	1180	12800	1870	714	616	623	248	507
18	328	603	1300	4960	1090	11000	1680	667	674	436	318	464
19	324	576	1200	4170	1040	8820	1560	626	816	351	377	412
20	328	559	3000	3750	1010	6330	1450	593	932	332	404	746
21	391	571	3700	2720	965	3960	1460	569	882	337	318	768
22	438	626	2580	2320	929	3100	4530	542	703	300	260	611
23	464	633	2070	2040	1060	2660	7120	519	586	291	230	475
24	464	608	1720	2700	4560	2350	6230	510	480	336	216	381
25	802	581	2510	3990	5520	2130	4930	528	423	429	209	414
26	1660	561	7240	3200	4220	1980	4420	581	385	552	200	862
27	1750	669	7050	2680	5790	1850	3960	771	359	1020	192	1910
28	1550	1260	4910	2380	7200	1990	3300	782	425	487	191	2560
29	1180	3710	3590	2100	---	3200	2530	793	475	651	186	2990
30	1520	3040	2970	1810	---	2920	1920	661	414	611	176	3390
31	2880	---	2860	1590	---	2630	---	882	---	462	171	---
TOTAL	21492	28356	73456	131270	54994	371560	215250	37793	17759	13963	7944	20103
MEAN	693	945	2370	4235	1964	11990	7175	1219	592	450	256	670
MAX	2880	3710	7240	9990	7200	40000	24700	3510	1360	1020	404	3390
MIN	320	524	926	1590	929	1850	1450	510	334	250	171	153
CFSM	.32	.44	1.09	1.95	.91	5.53	3.31	.56	.27	.21	.12	.31
IN.	.37	.49	1.26	2.25	.94	6.37	3.69	.65	.30	.24	.14	.34
CAL YR 1976	TOTAL	1050590	MEAN	2870	MAX	16500	MIN	202	CFSM	1.32	IN	18.02
WTR YR 1977	TOTAL	993940	MEAN	2723	MAX	40000	MIN	153	CFSM	1.26	IN	17.05

MOBILE RIVER BASIN

53

02437500 TOMBIGBEE RIVER AT ABERDEEN, MS--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA: WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (NTU)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	BIOCHEMICAL OXYGEN DEMAND 30 DAY (MG/L)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)
OCT 19...	1430	290	125	6.9	14.0	10	9.9	3.6	7.7	46	0
NOV 18...	1230	670	90	6.6	9.0	10	10.8	2.4	--	35	0
FEB 16...	1230	1300	92	7.3	7.5	15	10.5	2.2	--	44	0
MAR 17...	1200	13000	70	7.1	16.0	100	7.2	2.7	--	29	0
JUN 07...	1730	540	100	7.2	27.0	15	5.7	6.9	--	49	0
JUL 06...	1730	275	120	7.6	32.0	5.0	6.9	3.9	--	53	0
AUG 09...	1030	240	144	7.6	29.5	5.0	5.1	1.8	--	55	0
SEP 13...	1030	3550	240	7.4	26.0	20	5.6	2.4	--	42	0

DATE	ALKALINITY AS CaCO ₃ (MG/L)	CARBON DIOXIDE (CO ₂) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO ₃) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)
OCT 19...	38	9.3	.12	.04	.41	.45	.57	2.5	.09	.02
NOV 18...	29	14	.13	.03	.39	.42	.55	2.4	.08	.05
FEB 16...	36	3.5	.11	.17	.53	.70	.81	3.6	.08	.01
MAR 17...	24	3.7	.02	.04	.56	.60	.62	2.7	.13	.06
JUN 07...	40	4.9	.01	.03	.53	.56	.57	2.5	.06	.03
JUL 06...	43	2.1	.01	.17	.65	.82	.83	3.7	.04	.01
AUG 09...	45	2.2	.01	.06	.85	.91	.92	4.1	.09	.02
SEP 13...	34	2.7	.01	.01	.24	.25	.26	1.2	.13	.02

MOBILE RIVER BASIN

02437560 NICHOLS CREEK NEAR ABERDEEN, MS

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

DRAINAGE AREA.--24.1 mi² (64.2 km²)

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (NTU)	DISSOLVED OXYGEN (MG/L)	RIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)
OCT 19...	1400	15	40	6.4	12.0	10	10.4	1.7	15	0
NOV 18...	1000	12	32	6.6	8.0	7.0	11.5	2.2	14	0
FEB 16...	1100	19	36	7.2	5.5	10	11.1	2.1	10	0
AUG 09...	0930	4.6	48	6.7	25.0	10	6.3	.8	28	0
SEP 13...	0900	3.7	80	6.2	22.5	15	5.2	1.3	13	0

DATE	ALKALINITY AS CaCO ₃ (MG/L)	CARBON DIOXIDE (CO ₂) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO ₃) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)
OCT 19...	12	9.6	.04	.05	.07	.12	.16	.71	.08	.00
NOV 18...	11	5.6	.04	.01	.37	.38	.42	1.9	.01	.01
FEB 16...	8	1.0	.07	.02	.22	.24	.31	1.4	.01	.00
AUG 09...	23	8.9	.18	.04	.47	.51	.69	3.1	.02	.01
SEP 13...	11	13	.07	.03	.19	.22	.29	1.3	.06	.01

55

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

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

[illegible][illegible]

MOBILE RIVER BASIN

02439400 BUTTAHATCHEE RIVER NEAR ABERDEEN, MS

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

DRAINAGE AREA.--787 mi² (2,038 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 220.77 ft (67.291 m) above mean sea level (Mississippi State Highway bench mark).

REMARKS.--Records good.

AVERAGE DISCHARGE.--11 years, 1,460 ft³/s (41.35 m³/s), 25.19 in/yr (640 mm/yr).

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

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

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 12	2300	6,500 184	14.41 4.392	Mar. 14	1000	13,100 371	16.72 5.096
Feb. 26	2200	8,940 253	15.42 4.700	Apr. 6	1100	11,900 337	16.40 5.000
Mar. 5	2000	*34,000 963	20.30 6.187				

Minimum discharge 166 ft³/s (4.70 m³/s) Sept. 5, gage height, 4.60 ft (1.402 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	295	810	1120	1160	1020	4320	1760	743	670	241	366	193
2	286	597	821	1060	974	4350	1520	706	694	231	434	198
3	267	469	713	943	946	3260	2110	661	470	225	372	184
4	254	418	633	1020	934	7070	4130	752	392	220	312	179
5	244	386	576	1130	933	24200	8800	912	360	217	289	176
6	253	366	534	1080	895	22900	11400	885	336	209	456	190
7	362	357	518	1190	850	10300	8780	752	321	205	444	251
8	456	346	525	1630	810	7250	6050	658	344	202	336	344
9	364	341	513	2030	780	5780	3960	612	326	206	292	463
10	313	336	474	2730	760	4280	2870	571	305	261	268	358
11	293	339	465	3630	740	3230	2220	522	294	340	250	287
12	279	358	667	5200	800	3850	1790	487	285	314	241	270
13	268	380	1190	5200	1000	7020	1540	465	275	330	241	290
14	261	391	1360	3210	1100	11700	1360	446	268	308	230	308
15	255	401	1090	2760	1000	8100	1240	434	263	299	220	436
16	254	432	919	3100	845	5470	1140	421	303	386	217	712
17	258	418	826	3080	784	3730	1040	408	326	566	220	550
18	268	392	724	2320	749	2800	964	394	350	392	241	432
19	269	379	655	1690	740	2280	906	381	405	310	487	370
20	262	380	694	1440	721	2130	861	375	482	319	370	432
21	270	381	1090	1400	694	2170	839	364	381	305	287	519
22	302	397	1320	1310	676	2070	1230	358	334	289	253	414
23	295	394	1020	1200	768	1720	1610	350	299	284	239	340
24	281	367	848	1330	1970	1480	1710	344	280	294	235	306
25	315	354	940	1880	2950	1340	1690	366	263	354	260	292
26	542	388	1690	2040	6180	1240	1290	453	253	394	273	342
27	840	443	2440	1700	7340	1160	1040	470	250	632	230	1310
28	547	678	2810	1480	4730	1180	923	553	253	703	217	1900
29	410	1030	2020	1320	---	1460	842	514	272	496	209	2200
30	395	1430	1290	1160	---	1780	791	468	253	475	205	2000
31	563	---	1090	1050	---	1970	---	416	---	456	200	---
TOTAL	10521	14158	31575	61473	42691	161590	76406	16241	10307	10463	8894	16236
MEAN	339	472	1019	1983	1525	5213	2547	524	344	338	287	541
MAX	840	1430	2810	5200	7340	24200	11400	912	694	703	487	2200
MIN	244	336	465	943	676	1160	791	344	250	202	200	176
CFSM	.43	.60	1.30	2.52	1.94	6.62	3.24	.67	.44	.43	.37	.69
IN.	.50	.67	1.49	2.91	2.02	7.64	3.61	.77	.49	.49	.42	.77
CAL YR 1976	TOTAL	427820	MEAN	1169	MAX	6660	MIN	197	CFSM	1.49	IN	20.22
WTR YR 1977	TOTAL	460555	MEAN	1262	MAX	24200	MIN	176	CFSM	1.60	IN	21.77

MOBILE RIVER BASIN

57

02439600 BUTTAHATCHEE RIVER NEAR KOLOLA SPRINGS, MS

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

DRAINAGE AREA.--843 mi² (2182 km²)

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (NTU)	DISSOLVED OXYGEN (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL NITRATE PLUS NITRATE (N) (MG/L)
OCT 19...	1600	E340	36	6.5	14.0	10	10.0	14	0	11	7.1	.15
DEC 13...	1300	F1500	25	6.9	7.5	9.0	8.5	8	0	7	1.6	.15
FEB 16...	0830	E840	25	7.3	6.0	15	10.8	12	0	10	1.0	.22
APR 12...	1300	E2000	26	7.1	18.0	20	7.3	9	0	7	1.1	.16
JUN 08...	0800	E390	36	6.8	22.5	20	8.0	11	0	9	2.8	.34
AUG 08...	1630	E360	38	6.8	29.5	15	7.1	22	0	18	5.6	.25

DATE	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)
OCT 19...	.01	.19	.20	.35	1.6	.01	.01	2	20	29	.0
DEC 13...	.04	.31	.35	.50	2.2	.03	.01	2	<10	27	.2
FEB 16...	.05	.32	.37	.59	2.6	.02	.00	0	<10	9	.0
APR 12...	.04	.45	.49	.65	2.9	.03	.01	0	10	16	.0
JUN 08...	.02	.30	.32	.66	2.9	.04	.03	0	10	14	.0
AUG 08...	.01	.37	.38	.63	2.8	.03	.01	0	20	25	.0

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	PCB IN BOTTOM MA- TERIAL (UG/KG)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	CHLORDANE IN BOTTOM MA- TERIAL (UG/KG)	DDD IN BOTTOM MA- TERIAL (UG/KG)	DDE IN BOTTOM MA- TERIAL (UG/KG)	DDT IN BOTTOM MA- TERIAL (UG/KG)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	DI- ELDORIN IN BOTTOM MA- TERIAL (UG/KG)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	HEPTACHLOR IN BOTTOM MA- TERIAL (UG/KG)
OCT 19...	1600	0	.0	0	5.2	11	19	.0	.0	1.2	.0	.0

DATE	HEPTACHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	MALATHION IN BOTTOM MA- TERIAL (UG/KG)	METHYL PARATHION IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRITHION IN BOT- TOM MA- TERIAL (UG/KG)	PARATHION IN BOTTOM MA- TERIAL (UG/KG)	TOXAPHENE IN BOTTOM MA- TERIAL (UG/KG)	TRITHION IN BOTTOM MA- TERIAL (UG/KG)	2,4-D IN BOTTOM MA- TERIAL (UG/KG)	2,4,5-T IN BOTTOM MA- TERIAL (UG/KG)	SILVEX IN BOTTOM MA- TERIAL (UG/KG)
OCT 19...	.0	.0	.0	.0	.0	.0	0	.0	0	0	0

MOBILE RIVER BASIN

02441000 TIBBEE CREEK NEAR TIBBEE, MS

LOCATION.--Lat 33°32'17", long 88°38'00", in SW¼ sec.4, T19 N., R.16 E., Choctaw Meridian, Clay County, Hydrologic Unit 03160104, on right bank 10 ft (3 m) downstream from bridge on old State Highway 25, 560 ft (170 m) upstream from Gulf, Mobile and Ohio Railroad bridge, 0.7 mi (1.1 km) north of Tibbee, 4.5 mi (7.2 km) upstream from Magee Creek, 5 mi (8 km) south of West Point, and 9.8 mi (15.8 km) upstream from Catalpa Creek.

DRAINAGE AREA.--982 (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 1034. Prior to October 1950, published as Tibbee River near Tibbee.

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

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

REMARKS.--Records good except those for period of no gage-height record, Mar. 12 to Apr. 5, which are poor.

AVERAGE DISCHARGE.--40 years, 1,302 ft³/s (36.87 m³/s), 19.05 in/yr (484 mm/yr).

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,000 ft³/s (283 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Mar. 5	1230	*44,900 1,270	*28.89 8.806	Apr. 5	1630	15,600 442	24.91 7.593

Minimum discharge 0.58 ft³/s (0.016 m³/s) Sept. 4, gage height, 0.97 ft 90.296 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	1080	1810	504	286	2830	300	4040	202	4.4	775	1.2
2	16	574	728	382	258	1750	250	4970	152	3.6	730	1.1
3	28	284	380	358	244	1090	1000	6080	87	3.6	447	.84
4	23	187	269	553	235	13100	8000	8390	54	3.2	179	.70
5	16	138	266	716	230	42100	15000	4190	40	3.2	86	.77
6	22	105	252	784	214	30600	13600	1250	27	3.0	58	1.4
7	63	88	269	1820	195	14700	8000	1270	24	2.5	38	32
8	134	79	316	2450	181	8050	5000	386	23	2.0	26	47
9	109	69	289	3150	163	6200	3000	486	24	14	19	24
10	80	62	253	5750	157	4920	1500	899	29	235	15	147
11	60	58	376	8550	152	3300	700	501	24	180	13	130
12	48	55	1940	7820	165	2000	437	263	30	256	8.7	35
13	43	58	3360	6050	260	8000	344	168	25	183	6.0	13
14	45	68	3510	4580	327	5000	304	126	20	111	5.0	6.0
15	38	81	2130	4640	293	2500	268	98	13	102	4.1	12
16	42	121	917	4900	239	1500	238	80	8.7	41	3.4	37
17	39	120	559	4460	198	800	214	68	7.1	27	3.0	38
18	35	103	397	2290	174	600	194	60	48	119	17	27
19	31	89	296	621	158	400	179	53	188	71	170	35
20	32	83	590	535	148	350	166	48	202	25	233	174
21	30	86	1640	533	136	300	166	43	52	14	95	165
22	28	102	1470	512	127	270	1410	38	30	14	50	101
23	26	104	884	404	197	250	2620	34	21	21	40	55
24	29	92	461	1090	2880	230	1750	32	16	76	29	33
25	36	82	935	2340	4300	220	630	32	13	122	20	24
26	481	82	2830	2360	2990	210	364	30	11	393	14	19
27	553	226	3720	1440	2200	200	845	32	8.7	461	10	17
28	327	728	3640	758	2990	190	1510	43	7.9	215	7.1	22
29	179	2260	2360	543	---	1000	2440	28	6.3	327	3.9	34
30	184	2810	666	388	---	600	3170	26	5.6	548	2.3	352
31	1120	---	459	325	---	400	---	52	---	588	1.8	---
TOTAL	3915	10074	37972	71606	20097	153660	73599	33816	1399.3	4168.5	3109.3	1585.01
MEAN	126	336	1225	2310	718	4957	2453	1091	46.6	134	100	52.8
MAX	1120	2810	3720	8550	4300	42100	15000	8390	202	588	775	352
MIN	16	55	252	325	127	190	166	26	5.6	2.0	1.8	.70
CFSM	.14	.36	1.32	2.49	.77	5.34	2.64	1.18	.05	.14	.11	.06
IN.	.16	.40	1.52	2.87	.81	6.16	2.95	1.36	.06	.17	.12	.06

CAL YR 1976	TOTAL	478040.50	MEAN	1306	MAX	16400	MIN	2.1	CFSM	1.41	IN	19.16
WTR YR 1977	TOTAL	415001.11	MEAN	1137	MAX	42100	MIN	.70	CFSM	1.23	IN	16.64

MOBILE RIVER BASIN

02441000 TIBBEE CREEK NEAR TIBBEE, MS--Continued

59

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1974-75, 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	DIS- SOLVED OXYGEN (MG/L)	RIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)
OCT 19...	1000	32	210	6.9	13.0	15	9.9	3.4	94	0
NOV 17...	1430	119	250	6.9	7.0	8.0	10.0	3.4	99	0
FEB 15...	1400	289	245	7.4	10.0	20	9.8	3.0	93	0
AUG 08...	1400	25	243	7.9	29.5	5.0	7.4	1.4	110	0
SEP 12...	1410	30	218	7.4	25.0	50	5.2	--	96	0

DATE	ALKA- LINITY AS CaCO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED PHOS- PHORUS (P) (MG/L)
OCT 19...	77	19	.02	.05	.47	.52	.54	2.4	.11	.03
NOV 17...	81	20	.01	.01	.47	.48	.49	2.2	.09	.05
FEB 15...	76	5.9	.01	.09	.48	.57	.58	2.6	.08	.05
AUG 08...	90	2.2	.03	.08	.92	1.0	1.0	4.6	.09	.02
SEP 12...	79	6.1	.21	.10	.29	.39	.60	2.7	.20	.07

MOBILE RIVER BASIN

02441500 TOMBIGBEE RIVER AT COLUMBUS, MS

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

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

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

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

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

REMARKS.--Records good.

AVERAGE DISCHARGE.--62 years, 6,448 ft³/s (182.6 m³/s), 19.50 in/yr (495 mm/yr).

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge 76,500 ft³/s (2,170 m³/s) Mar. 8, gage height 35.04 ft (10.680 m); minimum, 265 ft³/s (7.50 m³/s) Sept. 5, 6, gage height, 0.79 ft (0.241 m).

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.39	6.02	8.30	6.84	5.15	16.52	8.68	4.95	3.42	1.77	3.84	.95
2	2.28	5.39	6.82	6.26	4.93	14.12	9.84	4.56	3.93	1.59	3.26	.90
3	2.16	4.60	5.62	5.73	4.76	11.86	18.08	4.33	3.84	1.48	2.99	.85
4	2.05	3.92	5.00	5.75	4.65	20.69	24.18	4.28	3.29	1.40	2.51	.81
5	1.97	3.49	4.55	6.19	4.59	26.50	27.67	5.55	2.83	1.34	2.07	.80
6	2.01	3.18	4.22	6.43	4.52	31.71	29.05	6.56	2.55	1.30	1.92	.88
7	2.16	2.93	4.06	8.51	4.39	34.48	29.39	6.75	2.34	1.26	1.96	1.49
8	2.58	2.75	4.02	9.81	4.23	34.92	29.16	5.90	2.19	1.24	1.98	1.89
9	2.80	2.64	4.00	12.10	4.09	34.04	28.26	5.98	2.13	1.33	1.73	2.08
10	2.66	2.57	3.89	18.63	3.99	32.32	26.42	7.04	2.06	2.52	1.57	2.27
11	2.41	2.55	3.83	19.93	3.94	29.79	23.29	5.61	1.99	2.66	1.46	2.31
12	2.23	2.54	7.23	20.22	4.00	28.19	19.23	4.55	1.91	2.98	1.35	1.87
13	2.10	2.59	10.24	19.02	4.35	28.24	14.72	3.93	1.89	3.24	1.27	1.58
14	2.02	2.73	9.95	18.12	4.85	28.15	9.81	3.57	1.89	2.69	1.22	1.58
15	--	2.82	8.78	18.29	5.01	28.30	7.23	3.36	1.89	2.46	1.21	2.20
16	--	2.95	7.05	17.24	4.72	27.78	6.41	3.20	1.92	2.16	1.16	2.65
17	--	3.00	5.89	16.00	4.36	26.09	5.87	3.07	2.26	2.30	1.12	2.70
18	--	2.95	5.14	13.84	4.11	22.96	5.46	2.97	2.41	2.89	1.28	2.64
19	--	2.84	4.60	10.39	3.96	19.02	5.13	2.86	3.01	2.44	1.54	2.45
20	--	2.77	4.94	8.34	3.87	16.08	4.91	2.77	3.23	2.00	2.29	2.77
21	--	2.75	7.64	7.51	3.79	12.54	4.94	2.69	3.12	1.80	2.27	3.15
22	2.01	2.78	8.36	6.93	3.72	9.78	10.72	2.60	2.84	1.77	1.76	2.97
23	2.14	2.87	7.29	6.46	3.87	8.62	14.02	2.54	2.49	1.64	1.51	2.60
24	2.20	2.86	6.10	7.87	9.79	7.77	13.48	2.47	2.23	1.84	1.48	2.21
25	2.29	2.77	6.24	10.33	12.99	7.15	10.90	2.45	2.04	2.05	1.35	1.95
26	3.43	2.73	11.60	10.37	13.11	6.66	9.08	2.52	1.93	3.16	1.35	2.10
27	4.65	3.16	13.11	9.18	14.04	6.23	8.13	2.73	1.87	3.67	1.34	3.09
28	4.78	4.15	12.80	7.84	16.18	6.36	7.22	3.10	1.75	3.47	1.21	5.13
29	4.20	8.10	11.13	6.87	--	8.24	6.43	3.14	1.83	3.25	1.11	6.36
30	3.74	9.07	8.88	6.13	--	10.94	5.58	3.07	1.92	4.08	1.05	7.21
31	5.43	--	7.20	5.53	--	9.70	--	3.02	--	3.72	.99	--
MEAN	--	3.55	7.05	10.73	5.93	19.54	14.11	3.94	2.43	2.31	1.71	2.41
MAX	--	9.07	13.11	20.22	16.18	34.92	29.39	7.04	3.93	4.08	3.84	7.21
MIN	--	2.54	3.83	5.53	3.72	6.23	4.91	2.45	1.75	1.24	.99	.80

MOBILE RIVER BASIN

61

02441500 TOMBIGBEE RIVER AT COLUMBUS, MS--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	926	4020	6450	4850	3200	17600	6870	3020	1760	754	2200	333
2	872	3420	4830	4260	3000	14000	8260	2680	2150	653	1760	311
3	812	2720	3640	3740	2850	10900	20300	2480	2080	593	1550	290
4	766	2140	3060	3760	2750	24900	31700	2440	1660	551	1220	273
5	731	1810	2670	4190	2700	37700	41000	3590	1330	520	933	269
6	766	1580	2400	4440	2640	55100	45100	4560	1140	500	842	303
7	866	1400	2260	6700	2530	71800	46100	4750	1010	480	866	599
8	1150	1280	2230	8220	2400	75300	45400	3910	920	470	878	824
9	1310	1200	2210	11400	2280	68500	42800	3990	878	515	731	939
10	1220	1160	2120	21100	2200	57300	37300	5060	836	1250	642	1060
11	1050	1140	2070	23400	2160	47500	29700	3640	795	1320	583	1080
12	939	1130	5280	23900	2210	42600	22200	2670	748	1550	525	812
13	860	1170	8750	21800	2500	42700	14900	2150	737	1730	485	647
14	812	1260	8390	20200	2930	42400	8260	1870	737	1340	460	647
15	760	1320	6990	20500	3070	42900	5260	1710	737	1180	455	1010
16	720	1410	5070	18800	2820	41300	4410	1590	754	989	431	1310
17	700	1450	3900	16800	2510	36300	3870	1500	957	1080	412	1340
18	680	1410	3190	13600	2300	29000	3480	1430	1050	1480	490	1300
19	660	1340	2720	8970	2180	21800	3190	1350	1460	1180	625	1180
20	660	1290	3290	6490	2100	17000	2980	1290	1620	890	1070	1390
21	700	1280	6380	5570	2040	11800	3020	1240	1560	771	1060	1670
22	806	1300	7200	4940	1990	8180	9520	1180	1390	754	754	1540
23	884	1360	5660	4470	2110	6800	13900	1140	1160	680	609	1280
24	920	1350	4100	6000	8330	5840	13100	1090	1010	800	593	1020
25	976	1290	4250	8870	12400	5170	9610	1080	914	920	525	866
26	1790	1260	10500	8930	12600	4660	7340	1120	848	1680	525	951
27	2750	1570	12600	7470	13900	4230	6240	1260	812	2070	520	1640
28	2870	2360	12100	5920	17100	4370	5250	1520	743	1920	455	3340
29	2370	6220	9900	4880	---	6380	4430	1550	789	1740	407	4510
30	2000	7340	7120	4130	---	9660	3600	1500	842	2400	379	5400
31	3480	---	5230	3550	---	8100	---	1460	---	2110	351	---
TOTAL	36806	58980	166560	311850	121800	871790	499090	69820	33427	34870	23336	38134
MEAN	1187	1966	5373	10060	4350	28120	16640	2252	1114	1125	753	1271
MAX	3480	7340	12600	23900	17100	75300	46100	5060	2150	2400	2200	5400
MIN	660	1130	2070	3550	1990	4230	2980	1080	737	470	351	269
CFSM	.26	.44	1.20	2.24	.97	6.26	3.71	.50	.25	.25	.17	.28
IN.	.30	.49	1.38	2.58	1.01	7.22	4.13	.58	.28	.29	.19	.32
CAL YR 1976	TOTAL	2139756	MEAN	5846	MAX	36100	MIN	660	CFSM	1.30	IN	17.73
WTR YR 1977	TOTAL	2266463	MEAN	6209	MAX	75300	MIN	269	CFSM	1.38	IN	18.78

MOBILE RIVER BASIN

02443000 LUXAPALLILA CREEK AT STEENS, MS

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

DRAINAGE AREA.--309 mi² (800 km²).

PERIOD OF RECORD.--October 1943 to September 1947, October 1949 to September 1977 (discontinued as continuous-record station, continued as crest stage partial-record station). Prior to October 1966, published as Luxapallila Creek at Steens.

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

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

REMARKS.--Records good, except those for periods of no gage-height record, Nov. 8 to Jan. 26, which are fair.

AVERAGE DISCHARGE.--32 years, 501 ft³/s (14.19 m³/s), 22.01 in/yr (559 mm/yr).

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1916, from newspaper reports, 19.2 ft (5.45 m) Jan. 6, 1949, discharge about 16,000 ft³/s (453 m³/s).

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

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Mar. 6	0415	6298 178	16.58 5.054	Apr. 4	2200	*8860 251	17.67 5.386
Mar. 14	0045	5430 154	16.04 4.889				

Minimum discharge, 53 ft³/s (1.50 m³/s) July 9, gage height, 3.29 ft (1.003 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	116	229	800	450	371	1720	884	219	123	73	209	69
2	114	223	600	400	354	1020	776	207	125	71	143	67
3	109	189	400	370	338	821	2210	215	112	67	117	66
4	105	169	310	400	331	2240	6460	225	102	66	102	69
5	100	157	250	450	326	5240	8620	237	95	65	114	67
6	106	153	210	500	315	5710	7130	237	91	63	284	75
7	138	149	220	700	295	3080	3680	213	86	62	219	123
8	247	145	250	900	278	1820	1660	192	96	61	141	293
9	223	140	250	1300	264	1210	1120	183	113	61	113	357
10	166	138	240	2500	261	953	899	171	98	74	100	219
11	141	140	220	3000	259	827	758	159	90	79	94	146
12	129	150	350	2500	291	2080	661	149	86	76	89	122
13	123	180	800	1900	333	4370	582	141	82	74	83	119
14	119	220	1300	1700	398	4300	514	137	78	83	79	125
15	117	250	1100	1900	345	1920	464	132	78	99	77	143
16	114	270	900	1900	297	1150	418	128	80	105	75	178
17	114	260	700	1500	272	896	374	125	84	112	75	202
18	113	240	500	1200	259	764	347	120	87	98	86	189
19	116	210	450	1000	251	697	322	117	89	89	113	169
20	119	190	450	700	243	741	299	114	112	85	107	167
21	120	200	800	600	235	863	308	112	113	87	91	157
22	125	210	872	540	229	800	568	112	94	84	84	146
23	132	220	566	520	276	794	605	112	84	80	79	131
24	128	200	520	700	591	641	558	110	80	87	82	120
25	129	180	600	1000	2050	552	425	117	122	103	78	116
26	153	170	1000	815	1300	487	345	120	151	113	87	151
27	213	190	1200	700	1830	443	295	132	122	129	84	501
28	233	350	1000	602	2950	495	266	135	96	241	78	1210
29	189	700	800	514	---	753	247	132	84	229	75	666
30	174	1000	600	441	---	995	233	126	77	338	73	443
31	183	---	500	393	---	1220	---	125	---	310	72	---
TOTAL	4408	7222	18758	32095	15546	49602	42028	4754	2930	3364	3303	6606
MEAN	142	241	605	1035	555	1600	1401	153	97.7	109	107	220
MAX	247	1000	1300	3000	2950	5710	8620	237	151	338	284	1210
MIN	100	138	210	370	229	443	233	110	77	61	72	66
CFSM	.46	.78	1.96	3.35	1.80	5.18	4.53	.50	.32	.35	.35	.71
IN.	.53	.87	2.26	3.86	1.87	5.97	5.06	.57	.35	.40	.40	.80
CAL YR 1976	TOTAL	202601	MEAN 554	MAX 3570	MIN 91	CFSM 1.79	IN 24.39					
WTR YR 1977	TOTAL	190616	MEAN 522	MAX 8620	MIN 61	CFSM 1.69	IN 22.95					

MOBILE RIVER BASIN

63

02443500 LUXAPALLILA CREEK NEAR COLUMBUS, MS

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

DRAINAGE AREA.--726 mi² (1,880 km²).

WATER-DISCHARGE RECORDS

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

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

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,200 ft³/s (629 m³/s) Apr. 5, 1977, gage height, 28.35 ft (8.641 m); minimum, since October 1974, 80 ft³/s (2.27 m³/s) Sept. 3, 1977, gage height, 7.44 ft (2.268 m).

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

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

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Mar. 6	1000	14500	411	25.92	7.900	Apr. 5	1030	*22200	629	28.35	8.641
Mar. 14	1100	7920	281	23.48	7.151						

Minimum discharge, 80 ft³/s (2.27 m³/s) Sept. 3, gage height, 7.44 ft (2.268 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	201	419	1460	906	902	4280	2190	506	216	110	482	94
2	197	434	1070	830	852	2990	2320	494	234	105	323	87
3	189	368	894	802	816	2370	6410	476	220	101	240	82
4	182	307	711	878	798	5190	14600	530	188	99	198	82
5	177	267	600	966	780	10700	21400	530	164	94	170	84
6	188	249	543	966	752	14100	16800	646	144	91	318	94
7	260	239	552	1190	711	9000	10200	610	120	88	349	168
8	434	236	578	1480	670	5000	5190	506	136	97	249	431
9	371	233	581	2280	643	3300	3610	491	172	91	188	657
10	278	230	527	4780	626	2800	2770	464	162	94	158	518
11	233	236	503	7220	616	2500	2120	380	144	117	138	359
12	214	267	970	6200	660	4680	1710	328	133	122	128	247
13	203	310	1990	3600	784	7690	1480	304	126	117	117	202
14	195	378	2570	2940	898	9610	1310	278	119	196	110	192
15	190	405	2050	3370	841	6350	1170	264	114	168	108	253
16	188	452	1740	3610	762	3760	1040	256	115	196	102	380
17	188	434	1540	2770	687	2770	922	249	123	200	102	416
18	194	384	1170	2200	636	2080	830	212	133	178	114	386
19	198	342	914	2000	610	1720	769	212	140	164	146	331
20	197	327	930	1690	591	1770	714	210	166	146	170	357
21	196	335	1330	1370	575	1920	725	206	214	148	148	392
22	209	352	1720	1300	552	1850	1710	186	194	170	125	331
23	216	355	1370	1210	629	1750	2160	192	156	152	115	264
24	212	332	1220	1550	2090	1530	1930	186	136	142	234	214
25	228	307	1240	2090	3040	1340	1550	212	164	170	146	194
26	291	303	1890	2200	3160	1190	1210	227	220	198	133	194
27	419	355	2500	1770	3720	1080	946	225	251	210	138	597
28	400	582	2010	1570	4730	1110	762	245	188	359	119	1800
29	322	1140	1600	1350	---	1420	657	271	144	506	108	1440
30	295	1620	1360	1130	---	1710	594	238	122	540	103	1070
31	317	---	1080	978	---	2180	---	247	---	616	99	---
TOTAL	7582	12198	39213	67196	33131	119740	109799	10381	4858	5785	5378	11916
MEAN	245	407	1265	2168	1183	3863	3660	335	162	187	173	397
MAX	434	1620	2570	7220	4730	14100	21400	646	251	616	482	1800
MIN	177	230	503	802	552	1080	594	186	114	88	99	82
CFSM	.34	.56	1.74	2.99	1.63	5.32	5.04	.46	.22	.26	.24	.55
IN.	.39	.63	2.01	3.44	1.70	6.14	5.63	.53	.25	.30	.28	.61

CAL YR 1976	TOTAL	426251	MEAN	1165	MAX	6750	MIN	159	CFSM	1.61	IN	21.84
WTR YR 1977	TOTAL	427177	MEAN	1170	MAX	21400	MIN	82	CFSM	1.61	IN	21.89

MOBILE RIVER BASIN

02443500 LUXAPALLILA CREEK NEAR COLUMBUS, MS--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (NTU)	DISSOLVED OXYGEN (MG/L)	RIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT 20...	0900	198	30	6.4	13.0	10	9.8	1.7	10	0
NOV 18...	0800	384	31	6.6	6.0	10	11.1	2.4	8	0
FEB 15...	1600	827	30	7.3	9.5	10	9.6	1.8	11	0
AUG 08...	1530	236	34	6.5	28.0	15	7.1	.7	6	0
SEP 12...	1530	227	64	6.8	25.0	15	5.9	.8	8	0

DATE	ALKALINITY AS CaCO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)
OCT 20...	8	6.4	.06	.02	.14	.16	.22	.97	.02	.01
NOV 18...	7	3.2	.03	.00	.27	.27	.30	1.3	.02	.02
FEB 15...	9	.9	.01	.02	.19	.21	.22	.97	.03	.01
AUG 08...	5	3.0	.13	.01	.43	.44	.57	2.5	.03	.02
SEP 12...	7	2.0	.09	.02	.15	.17	.26	1.2	.06	.04

02444500 TOMBIGBEE RIVER NEAR COCHRANE, AL

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

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

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

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

REMARKS.--Water-discharge record good.

AVERAGE DISCHARGE.--39 years, 8,655 ft³/s (245.1 m³/s), 19.62 in/yr (498 mm/yr).

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

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

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 69,000 cfs (1,950 m³/s) Mar. 12; maximum gage height, 39.55 ft (12.055 m) Mar. 12; minimum, 620 ft³/s (17.6 m³/s) Sept. 5, 6, gage height, 3.60 ft (1.097 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1360	4390	8710	6510	6000	23200	10800	4440	1950	1080	2720	703
2	1550	4570	7520	6000	5400	21000	10500	3820	2100	1020	2550	680
3	1490	3900	5640	5320	5000	18000	15000	3470	2440	938	2110	659
4	1390	3100	4380	4980	4700	16000	21000	3540	2270	884	1870	637
5	1320	2510	3690	5320	4500	30000	40000	3610	1940	848	1600	625
6	1370	2180	3250	5740	4200	42000	50000	5050	1740	818	1360	700
7	1400	1960	2990	7190	4000	52000	60000	5690	1530	794	1320	2470
8	1540	1770	2960	9840	3700	56000	63000	5670	1380	776	1320	1720
9	1860	1660	2940	13600	3600	62000	64000	4580	1280	788	1250	1460
10	1960	1600	2860	23800	3400	65000	64000	5150	1180	830	1100	1630
11	1800	1570	2750	28500	3300	68000	60000	5520	1170	1360	990	1670
12	1600	1580	3800	31800	3200	69000	50000	3940	1100	1550	930	1510
13	1460	1580	9620	32400	4000	66400	40000	3070	1090	1760	882	1220
14	1370	1680	11800	30900	4400	61900	22000	2600	1040	1850	839	1050
15	1310	1810	10400	29900	4580	59000	13000	2320	980	1650	810	1130
16	1760	1890	8400	28600	4490	55700	7110	2150	920	1480	799	1920
17	1220	1980	6500	25500	4060	54100	6050	2030	980	1330	796	1940
18	1190	1990	5090	22000	3660	51200	5220	1990	1200	1380	800	1800
19	1180	1900	4150	16200	3400	46300	4660	1880	1400	1690	837	1710
20	1220	1830	3700	10000	3240	38900	4270	1850	1800	1460	965	1630
21	1220	1780	5540	7530	3150	31700	4040	1710	2100	1220	1310	1790
22	1210	1760	7850	6560	3060	21700	12000	1680	2200	1080	1310	2010
23	1280	1800	7320	7160	3270	12400	20000	1630	2000	1060	1080	1860
24	1360	1850	6360	7080	8130	9070	22000	1580	1600	1030	929	1600
25	1470	1820	5840	9800	15100	8170	17000	1540	1300	1120	935	1350
26	1550	1750	11300	14000	17200	7520	14000	1470	1200	1310	876	1470
27	2630	1750	15100	13000	20600	7430	10000	1570	1140	2070	851	3090
28	3660	2130	15700	11500	22800	7370	8000	1680	1140	2570	857	2780
29	3570	4800	14400	9000	---	8670	7000	1740	1060	2550	809	5060
30	2890	8560	11100	8000	---	10800	5460	1900	1060	2430	758	6900
31	2630	---	7580	7000	---	12400	---	1900	---	2890	728	---
TOTAL	52320	73450	219240	444730	176140	1092930	730110	90770	44290	43616	36291	54774
MEAN	1688	2448	7072	14350	6291	35260	24340	2928	1476	1407	1171	1826
MAX	3660	8560	15700	32400	22800	69000	64000	5690	2440	2890	2720	6900
MIN	1180	1570	2750	4980	3060	7370	4040	1470	920	776	728	625
CFSM	.28	.41	1.18	2.40	1.05	5.89	4.06	.49	.25	.24	.20	.31
IN.	.32	.46	1.36	2.76	1.09	6.79	4.53	.56	.28	.27	.23	.34
CAL YR 1976 TOTAL	3145496	MEAN	8594	MAX	45800	MIN	790	CFSM	1.44	IN	19.53	
WTR YR 1977 TOTAL	3058661	MEAN	8380	MAX	69000	MIN	625	CFSM	1.40	IN	19.00	

MOBILE RIVER BASIN

02448000 NOXUBEE RIVER AT MACON, MS

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

DRAINAGE AREA.--812 mi² (2,103 km²).

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

REVISED RECORDS.--WSP 1624: 1929-30, 1932.

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

REMARKS.--Records good. Occasional slight regulation by Bluff Lake at low water.

AVERAGE DISCHARGE.--43 years, 1,012 ft³/s (28.66 m³/s), 16.92 in/yr (430 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 52,000 ft³/s (1,470 m³/s) Mar. 30, 1951, gage height, 32.97 ft (10.049 m); minimum, 22 ft³/s (0.623 m³/s) Aug. 25, 26, 1943, gage height, 4.89 ft (1.490 m).

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

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

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Jan. 11	1700	8190	232	26.60	8.108	Mar. 13	1800	10300	292	27.41	8.355
Jan. 16	0300	7320	207	26.08	7.949	Apr. 5	1900	*40300	1140	32.09	9.781
Feb. 27	1500	5150	146	22.37	6.818	Apr. 22	2400	5800	164	23.90	7.285
Mar. 7	1400	15600	442	28.91	8.812	Sept. 8	1900	5040	143	22.09	6.733

Minimum discharge, 54 ft³/s (1.53 m³/s) Sept. 5, 6, gage height, 5.82 ft (1.774 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	96	131	509	541	537	4250	1670	316	142	168	484	62
2	97	126	455	403	484	2290	2610	283	145	89	422	31
3	96	146	320	372	451	1460	5120	271	119	76	386	12
4	107	129	244	506	427	4980	11100	292	123	80	283	12
5	102	108	211	558	407	6550	31600	307	123	69	271	11
6	109	96	209	547	379	9210	26400	278	110	37	195	197
7	164	93	260	1410	350	14800	14500	262	104	87	150	3900
8	137	92	346	1440	326	12300	9660	241	98	172	127	4950
9	139	91	303	3120	309	8630	7630	228	92	164	116	4060
10	162	90	305	6060	295	6950	6520	235	89	164	104	1510
11	139	93	297	7260	285	6000	5380	211	88	252	104	1720
12	121	97	970	7240	347	8130	2780	205	85	381	101	1200
13	109	117	2040	6020	527	9520	759	201	84	201	102	856
14	104	114	1590	5940	539	8520	535	185	82	159	98	637
15	101	130	1130	6880	470	7410	463	176	85	152	91	953
16	94	159	1140	7100	441	8060	412	166	92	148	92	1950
17	84	143	972	6160	391	6960	379	159	104	127	96	1800
18	82	133	624	4920	352	5920	347	155	95	116	98	549
19	80	134	429	3470	323	4390	321	148	85	155	104	405
20	79	127	576	2370	302	1570	302	143	87	125	89	412
21	82	137	786	1210	285	874	537	138	99	120	83	376
22	82	139	642	752	268	1210	4690	133	91	114	80	326
23	80	124	567	639	446	1400	5560	136	85	111	92	299
24	81	120	493	1450	2660	1350	4620	220	83	127	96	259
25	83	120	1300	2160	1900	980	2770	154	105	170	91	224
26	99	125	3920	1640	1290	674	1720	128	88	207	79	213
27	104	122	3430	1440	4610	549	877	122	76	155	75	319
28	89	181	1840	1420	4920	667	532	189	56	410	50	304
29	93	936	1440	1130	---	1280	419	213	75	511	44	427
30	113	772	1270	769	---	1330	364	142	135	374	76	1370
31	133	---	824	604	---	1360	---	123	---	355	80	---
TOTAL	3241	5125	29442	85531	24321	149574	150577	6160	2925	5576	4359	28844
MEAN	105	171	950	2759	869	4825	5019	199	97.5	180	141	961
MAX	164	936	3920	7260	4920	14800	31600	316	145	511	484	4950
MIN	79	90	209	372	268	549	302	122	56	37	44	11
CFSM	.13	.21	1.17	3.40	1.07	5.94	6.18	.25	.12	.22	.17	1.18
IN.	.15	.23	1.35	3.92	1.11	6.85	6.90	.28	.13	.26	.20	1.32

CAL YR 1976	TOTAL	421855	MEAN	1153	MAX	14700	MIN	79	CFSM	1.42	IN	19.33
WTR YR 1977	TOTAL	495675	MEAN	1358	MAX	31600	MIN	11	CFSM	1.67	IN	22.71

02448500 NOXUBEE RIVER NEAR GEIGER, AL

LOCATION.--Lat 32°55'06", long 88°17'45", in SE¼ sec.33, T.23 N., R.3 W., Sumter County, Hydrologic Unit 03160108, near left bank on downstream side of bridge on State Highway 17, 0.5 mi (0.8 km) upstream from Woodards Creek, 1 mi (1.6 km) upstream from Alabama, Tennessee and Northern Railroad bridge, 4 mi (6.4 km) north of Geiger, and at mile 16.9 (27.2 km).

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

PERIOD OF RECORD.--March 1939 to September 1940, July 1944 to September 1965, October 1965 to September 1966 (gage heights only), October 1966 to current year. (Monthly discharge only for period October to December 1966.)

REVISED RECORDS.--WSP 1384: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 86.08 ft (26.237 m) above mean sea level. Prior to Sept. 30, 1940, nonrecording gage at site of old highway bridge 1 mi (1.6 km) downstream at datum 84.64 ft (25.798 m) above mean sea level. July 26, 1944, to June 5, 1949, nonrecording gage at present site and datum. Water-stage recorder for Tombigbee River at Gainesville is used as an auxiliary gage for this station.

REMARKS.--Records fair. Discharge includes flow of Noxubee cutoff channel at bridge on State Highway 17, 1 mi (1.6 km) north of gage.

AVERAGE DISCHARGE.--33 years (water years 1939-40, 1944-65, 1966-76), 1,516 ft³/s (42.93 m³/s), 18.05 in/yr (456 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,600 ft³/s (1,060 m³/s) Mar. 31, 1951, gage height, 42.7 ft (13.01 m); minimum, 13 ft³/s (0.37 m³/s) July 7, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 27,500 ft³/s (1,060 m³/s) Apr. 7, gage height, 40.72 ft (12.411 m); minimum, 85 ft³/s (2.41 m³/s) Sept. 5.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	110	117	910	1060	835	4970	2280	476	180	124	711	94
2	114	142	559	772	739	4420	3950	430	173	184	544	97
3	115	132	481	655	676	3010	5980	404	194	162	438	93
4	108	131	379	793	634	6040	8240	392	175	116	408	89
5	106	144	296	952	606	8570	13200	401	151	104	354	86
6	123	130	248	928	578	9640	15900	406	156	104	295	106
7	120	112	242	1430	540	10000	25200	380	146	100	254	3020
8	132	95	266	2030	507	9420	23700	356	135	94	199	5100
9	185	92	385	3480	481	9240	19600	342	128	116	167	4880
10	146	91	360	7450	461	9730	15800	316	124	184	150	4130
11	164	90	342	8070	449	10000	12600	312	118	182	140	2300
12	170	90	481	7460	464	10900	9960	294	116	184	129	1410
13	146	89	1790	6920	715	11400	6910	276	112	378	125	1350
14	128	99	2330	6880	880	10600	2760	272	110	281	122	1060
15	117	119	1830	7180	817	10200	987	258	107	209	122	920
16	112	118	1370	6870	667	9830	596	246	109	177	118	2160
17	109	144	1290	6470	606	9200	549	232	110	171	115	2170
18	101	154	1090	6170	551	8660	537	224	117	175	125	1930
19	93	136	719	5560	507	7980	507	214	126	165	122	794
20	91	131	523	4170	473	6800	483	206	122	232	121	540
21	91	132	694	2670	447	4380	496	200	114	226	120	467
22	89	125	954	1550	425	4270	3220	192	129	161	111	407
23	90	133	753	1060	618	3010	6780	187	126	145	105	350
24	90	136	618	1400	3520	1860	7220	183	120	138	103	316
25	92	123	1080	2830	4410	1640	6180	230	111	137	122	291
26	93	119	3680	2730	2930	1220	4060	232	106	952	123	281
27	93	120	4360	2120	3620	822	2140	192	119	413	114	685
28	106	131	3700	1750	5140	1090	1240	173	112	617	102	666
29	110	207	2330	1640	---	2450	727	171	105	1760	97	594
30	104	1070	1590	1400	---	3220	948	272	107	1590	93	2030
31	104	---	1440	1050	---	2140	---	228	---	783	91	---
TOTAL	3552	4652	37090	105500	33296	196712	202350	8697	3858	10364	5940	38416
MEAN	115	155	1196	3403	1189	6346	6745	281	129	334	192	1281
MAX	185	1070	4360	8070	5140	11400	25200	476	194	1760	711	5100
MIN	89	89	242	655	425	822	483	171	105	94	91	86
CFSM	.10	.14	1.05	2.99	1.04	5.57	5.92	.25	.11	.29	.17	1.12
IN.	.12	.15	1.21	3.44	1.09	6.42	6.60	.28	.13	.34	.19	1.25
CAL YR 1976	TOTAL	623104	MEAN	1702	MAX	18100	MIN	89	CFSM	1.49	IN	20.33
WTR YR 1977	TOTAL	650427	MEAN	1782	MAX	25200	MIN	86	CFSM	1.56	IN	21.22

PASCAGOULA RIVER BASIN

02472000 LEAF RIVER NEAR COLLINS, MS

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

DRAINAGE AREA.--752 mi² (1,948 km²).

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

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

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

REMARKS.--Records good except those for period of no gage-height record, Jan. 27 to Feb. 28, which are fair.

AVERAGE DISCHARGE.--39 years, 1,064 ft³/s (30.13 m³/s), 19.22 in/yr (488 mm/yr).

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

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

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

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Mar. 6	2300	*16400 464	22.61 6.892	Apr. 7	1100	9270 263	17.66 5.383
Apr. 1	2000	11500 326	19.43 5.922	Apr. 22	1100	8340 236	16.85 5.136

Minimum discharge, 115 ft³/s (3.26 m³/s) Oct. 17; minimum gage height, 4.02 ft (1.225 m) Sept. 4, 5.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	127	185	582	409	560	2990	9990	498	206	128	1240	138
2	124	162	481	364	800	1910	9330	473	222	129	1390	132
3	121	155	366	546	1400	1250	6210	838	188	136	966	128
4	120	145	307	1070	1800	6540	5300	1360	177	143	938	121
5	120	136	275	1440	1400	8520	5900	1080	162	153	854	122
6	246	132	258	1330	1000	13800	6750	1480	155	149	654	388
7	206	128	330	922	740	13300	8730	838	148	161	509	2070
8	156	127	330	700	620	9020	4530	549	142	178	561	2870
9	139	126	300	1740	540	6500	2300	501	139	182	356	2920
10	129	126	292	3910	500	3320	1640	448	138	280	248	1620
11	126	127	361	4020	490	2460	1040	379	135	250	199	615
12	122	135	470	5370	700	4890	822	371	134	220	182	401
13	118	149	630	3600	1100	5500	704	353	135	230	169	369
14	117	174	606	4230	1600	6800	627	310	348	300	155	343
15	116	248	714	4520	1400	6320	567	290	404	230	146	325
16	115	258	597	4020	900	3070	520	270	258	190	142	453
17	116	244	462	2720	750	2050	481	250	307	180	149	448
18	117	210	390	1940	640	1420	450	237	241	170	195	356
19	117	199	348	1200	540	1040	478	226	193	175	478	300
20	116	218	335	926	480	898	509	218	183	180	515	297
21	118	297	371	753	430	806	1500	206	161	142	612	448
22	122	295	412	676	470	1860	7850	199	150	155	470	540
23	120	272	498	627	600	4160	6850	206	163	162	295	366
24	117	239	398	714	3700	5890	7800	220	161	158	214	262
25	156	216	555	1140	3600	2850	4170	218	143	167	178	212
26	199	210	1590	1580	3500	1890	1830	204	149	280	158	186
27	161	210	1830	1000	4200	1330	1030	199	143	305	149	172
28	145	315	1810	800	3500	1380	767	190	132	210	146	164
29	138	597	1200	640	---	2760	641	183	128	285	158	512
30	170	591	644	560	---	5420	558	177	127	442	166	990
31	216	---	487	540	---	6970	---	174	---	753	146	---
TOTAL	4330	6626	18229	54007	37960	136914	99874	13145	5452	6823	12738	18268
MEAN	140	221	588	1742	1356	4417	3329	424	182	220	411	609
MAX	246	597	1830	5370	4200	13800	9990	1480	404	753	1390	2920
MIN	115	126	258	364	430	806	450	174	127	128	142	121
CFSM	.19	.29	.78	2.32	1.80	5.87	4.43	.56	.24	.29	.55	.81
IN.	.21	.33	.90	2.67	1.88	6.77	4.94	.65	.27	.34	.63	.90
CAL YR 1976	TOTAL	324121	MEAN	886	MAX	17800	MIN	115	CFSM	1.18	IN	16.03
WTR YR 1977	TOTAL	414366	MEAN	1135	MAX	13800	MIN	115	CFSM	1.51	IN	20.50

PASCAGOULA RIVER BASIN

69

02472500 BOWIE CREEK NEAR HATTIESBURG, MS

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

DRAINAGE AREA.--304 mi² (787 km²).

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

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

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

REMARKS.--Record good.

AVERAGE DISCHARGE.--39 years, 441 ft³/s (12.49 m³/s), 19.70 in/yr (500 mm/yr).

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,070 ft³/s (172 m³/s) Apr. 22, gage height, 17.38 ft (5.297 m), only peak above base of 4,000 ft³/s (113 m³/s); minimum, 135 ft³/s (3.82 m³/s) Oct. 5, 6; minimum gage height, 2.71 ft (0.826 m) Sept. 4, 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	143	220	312	238	265	501	704	250	201	193	229	156
2	142	194	247	230	279	380	907	265	185	190	326	153
3	140	175	222	467	336	322	1180	356	175	189	349	149
4	139	168	210	727	651	1680	1070	306	171	189	319	147
5	138	164	203	528	593	2460	794	273	169	213	232	150
6	158	162	204	394	392	2950	711	248	167	216	217	452
7	207	162	502	545	305	3120	516	234	166	211	226	733
8	210	162	428	428	269	1740	499	229	166	207	201	693
9	175	162	322	464	249	929	334	232	162	206	182	437
10	159	162	256	1010	240	637	282	250	162	213	175	258
11	153	169	308	904	231	475	256	237	160	213	167	214
12	150	229	501	649	232	867	239	217	160	238	166	199
13	148	253	568	492	332	1150	227	210	160	237	168	220
14	147	296	444	1900	370	1050	218	210	159	228	171	220
15	147	364	376	2060	286	939	211	204	160	237	167	206
16	148	284	353	1440	247	554	206	199	163	244	162	314
17	149	240	305	792	228	382	201	193	175	249	159	338
18	149	208	265	519	217	335	202	190	175	234	173	235
19	150	196	242	378	211	312	248	187	187	222	382	200
20	153	210	247	328	207	292	268	185	173	217	370	194
21	152	236	285	305	201	276	1400	182	186	213	265	190
22	151	234	277	291	197	268	5680	182	197	213	207	178
23	150	214	250	277	355	280	4380	180	199	210	183	167
24	150	197	232	296	1380	268	1690	178	197	207	172	162
25	172	191	344	357	768	259	816	176	197	206	186	158
26	178	189	803	328	563	259	482	175	199	203	220	154
27	184	191	631	298	1030	252	370	173	203	267	173	153
28	173	355	406	317	692	352	320	172	201	280	166	159
29	163	457	312	292	---	633	290	172	197	237	162	487
30	202	398	275	262	---	709	267	171	194	228	159	340
31	225	---	253	250	---	702	---	203	---	214	160	---
TOTAL	5005	6842	10583	17796	11326	25333	24968	6639	5366	6824	6594	7816
MEAN	161	228	341	574	405	817	832	214	179	220	213	241
MAX	225	457	803	2060	1380	3120	5680	356	203	280	382	733
MIN	138	162	203	230	197	252	201	171	159	189	159	147
CFSM	.53	.75	1.12	1.89	1.33	2.69	2.74	.70	.59	.72	.70	.86
IN.	.61	.84	1.30	2.18	1.39	3.10	3.06	.81	.66	.84	.81	.96
CAL YR 1976	TOTAL	126552	MEAN 346	MAX 7200	MIN 138	CFSM 1.14	IN 15.49					
WTR YR 1977	TOTAL	135092	MEAN 370	MAX 5680	MIN 138	CFSM 1.22	IN 16.53					

PASCAGOULA RIVER BASIN

02473000 LEAF RIVER AT HATTIESBURG, MS

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

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

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

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

REMARKS.--Records fair except those for periods of doubtful or no gage-height record, Dec. 14 to Jan. 17, Mar. 10 to May 11, which are poor.

AVERAGE DISCHARGE.--39 years, 2,621 ft³/s (74.23 m³/s), 20.22 in/yr (514 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 121,000 ft³/s (3,430 m³/s) Apr. 15, 1974, gage height, 34.03 ft (10.372 m); minimum, 318 ft³/s (9.01 m³/s) Oct. 22, 1963; minimum gage height, 3.23 ft (0.984 m) Sept. 3, 4, 5, 1977.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 24,800 ft³/s (702 m³/s) Apr. 22, gage height, 20.94 ft (6.383 m); minimum, 486 ft³/s (13.8 m³/s) Oct. 5; minimum gage height, 3.23 ft (0.984 m) Sept. 3, 4, 5.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	4.10	5.28	---	4.83	---	---	---	4.06	3.26	4.68	3.36
2	---	3.91	4.82	---	4.88	---	---	---	3.89	3.30	5.58	3.28
3	---	3.70	4.45	---	5.14	---	---	---	3.82	3.36	6.23	3.24
4	---	3.59	4.18	---	6.72	---	---	---	3.70	3.38	5.64	3.25
5	---	3.52	4.03	---	7.10	---	---	---	3.64	3.45	5.11	3.25
6	3.26	3.47	3.99	---	6.47	---	---	---	3.58	3.44	4.86	4.05
7	3.46	3.45	5.47	---	5.78	18.29	---	---	3.53	3.36	4.67	6.12
8	---	3.43	5.68	---	5.21	19.05	---	---	3.49	3.47	4.33	---
9	---	3.42	4.89	---	4.90	18.10	---	---	3.46	3.63	4.20	---
10	---	3.43	4.42	---	4.71	---	---	---	3.44	3.88	3.83	---
11	---	3.54	4.64	---	4.58	---	---	4.72	3.42	4.57	3.61	---
12	---	4.12	6.00	---	4.52	---	---	4.45	3.40	4.59	3.51	---
13	---	4.03	6.18	---	5.01	---	---	4.78	3.45	4.27	3.45	---
14	---	4.11	---	---	5.94	---	---	4.53	3.52	4.12	3.42	---
15	---	5.02	---	---	6.46	---	---	4.31	3.85	4.78	3.37	---
16	---	4.60	---	---	5.95	---	---	4.19	3.93	4.45	3.32	---
17	---	4.30	---	---	5.13	---	---	4.11	3.74	4.18	3.45	---
18	---	4.04	---	9.41	4.72	---	---	4.04	3.84	3.80	3.71	---
19	---	3.89	---	7.39	4.54	---	---	3.98	3.74	3.63	4.12	---
20	---	3.94	---	6.40	4.43	---	---	3.94	3.64	3.59	5.08	---
21	---	4.14	---	5.74	4.32	---	---	3.90	3.65	3.64	4.75	---
22	---	4.25	---	5.44	4.23	---	20.15	3.86	3.53	3.56	4.47	---
23	---	4.17	---	5.23	4.32	---	20.40	3.83	3.43	3.47	4.07	---
24	---	3.98	---	5.22	9.72	---	---	3.83	3.37	3.42	3.75	---
25	---	3.84	---	5.69	9.98	---	---	3.83	3.41	3.44	3.59	---
26	---	3.79	---	6.16	9.13	---	---	3.82	3.42	3.40	3.56	---
27	---	3.79	---	6.39	---	---	---	3.78	3.42	3.75	3.47	---
28	3.78	5.06	---	5.93	---	---	---	3.78	3.35	4.38	3.44	---
29	3.57	6.13	---	5.43	---	---	---	3.74	3.31	3.92	3.46	---
30	3.91	5.80	---	5.06	---	---	---	3.70	3.30	4.22	3.45	---
31	4.09	---	---	4.87	---	---	---	3.79	---	4.44	3.44	---
MEAN	---	4.09	---	---	---	---	---	---	3.58	3.81	4.12	---
MAX	---	6.13	---	---	---	---	---	---	4.06	4.78	6.23	---
MIN	---	3.42	---	---	---	---	---	---	3.30	3.26	3.32	---

PASCAGOULA RIVER BASIN

71

02473000 LEAF RIVER AT HATTIESBURG, MS--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	560	1000	1860	1400	1710	5540	10300	1870	1150	633	1590	691
2	560	878	1510	1500	1740	4140	11800	1650	1030	656	2280	644
3	540	742	1240	2500	1950	3120	12900	4500	985	691	2790	621
4	540	675	1060	4000	3320	7000	12400	4000	905	703	2320	627
5	520	633	959	3500	3670	14000	11100	3500	865	746	1920	627
6	491	605	933	4000	3070	17000	11400	4000	827	740	1720	1150
7	599	593	2030	4500	2450	19300	12000	3000	795	691	1580	2810
8	760	582	2170	4000	1990	20700	11100	2500	770	758	1330	5000
9	700	577	1360	5000	1750	19000	7740	2100	752	859	1240	7000
10	650	582	1270	5000	1620	16000	4540	1800	740	1030	992	5600
11	620	651	1380	7000	1520	11800	3420	1620	727	1510	846	2500
12	590	1020	2430	7000	1470	9490	2770	1420	715	1520	783	2000
13	580	959	2580	8000	1850	11100	2400	1660	752	1290	746	1700
14	570	1010	2400	11000	2590	12600	2200	1480	789	1190	727	1600
15	560	1660	2200	10000	3060	13200	2000	1320	1010	1660	697	1500
16	600	1350	2500	8000	2610	12100	1800	1240	1060	1420	668	1400
17	600	1140	2300	7600	1930	8940	1700	1180	931	1230	752	2000
18	580	965	2000	5910	1630	5890	1600	1140	998	971	911	1600
19	560	865	1700	3850	1490	3720	2000	1100	931	859	1200	1400
20	620	899	1600	3010	1410	2600	3330	1070	865	833	1890	1300
21	600	1030	1500	2420	1330	2260	10900	1040	872	865	1640	2000
22	580	1100	1600	2170	1260	2960	22900	1010	795	814	1440	2200
23	600	1050	2000	2010	1330	3920	23500	992	734	758	1160	1600
24	800	926	1900	2000	6480	4980	18100	992	697	727	938	1200
25	1000	832	3000	2380	6590	4980	10500	992	721	740	833	1000
26	900	799	4500	2780	5570	3720	5310	985	727	715	814	900
27	850	799	4200	2990	7360	3140	3720	958	727	951	758	850
28	793	1720	3000	2580	7870	3050	2860	958	685	1370	740	1000
29	663	2540	2500	2170	---	3920	2430	931	662	1050	752	1700
30	878	2260	2000	1880	---	6240	2100	905	656	1280	746	2500
31	997	---	1600	1740	---	8260	---	965	---	1410	740	---
TOTAL	20461	30442	63432	132890	80630	264670	230820	52878	24873	30670	37543	56120
MEAN	660	1015	2046	4287	2880	8538	7694	1706	829	989	1211	1871
MAX	1000	2540	4500	11000	7870	20700	23500	4500	1150	1660	2790	7000
MIN	491	577	933	1400	1260	2260	1600	905	656	633	668	621
CFSM	.38	.58	1.16	2.44	1.64	4.85	4.37	.97	.47	.56	.69	1.06
IN.	.43	.64	1.34	2.81	1.70	5.59	4.88	1.12	.53	.65	.79	1.19
CAL YR 1976 TOTAL	805695		MEAN	2201	MAX	30600	MIN	491	CFSM	1.25	IN	17.03
WTR YR 1977 TOTAL	1025429		MEAN	2809	MAX	23500	MIN	491	CFSM	1.60	IN	21.67

PASCAGOULA RIVER BASIN

02473460 TALLAHALA CREEK AT WALDRUP, MS

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

DRAINAGE AREA.--99.0 mi² (256.3 km²).

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

REMARKS.--Samples are collected by a local observer. Stage-discharge relation based on intermittent discharge measurements.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TURBIDITY (NTU)	DIS-SOLVED OXYGEN (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)
OCT 14...	1400	7.0	190	7.2	16.5	30	15	8.4	.11	.11	.03
DEC 12...	1300	197	77	6.8	10.5	200	100	10.2	.13	.13	.10
JAN 15...	1900	1440	55	6.9	8.5	70	35	10.6	--	.08	--
FEB 27...	1630	1100	--	6.9	15.0	15	65	9.6	.09	.09	.05
APR 17...	1630	36	--	6.8	20.0	40	10	8.0	.66	.11	.10
MAY 23...	1830	17	75	6.3	25.0	30	15	7.8	.15	.15	.05
JUL 05...	1830	10	85	6.2	26.5	50	10	7.1	.12	.12	.08
AUG 06...	1230	43	93	6.6	25.0	140	25	7.7	.10	.12	.07

DATE	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	SUS-PENDED KJEL. NITROGEN (N) (MG/L)	DIS-SOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)
OCT 14...	.05	.06	.29	.23	.32	.04	.28	.43	1.9	.02	.00
DEC 12...	.01	.01	.51	1.1	.61	.00	1.1	.74	3.3	.09	.04
JAN 15...	.02	.03	--	.47	--	--	.49	--	--	--	.02
FEB 27...	.02	.03	.71	.53	.76	.21	.55	.85	3.8	.08	.01
APR 17...	.13	.17	1.2	1.2	1.3	.00	1.3	2.0	8.7	.04	.03
MAY 23...	.05	.06	.26	.32	.31	.00	.37	.46	2.0	.02	.03
JUL 05...	.04	.05	.65	.16	.73	.53	.20	.85	3.8	.02	.01
AUG 06...	.05	.06	1.6	.85	1.7	.80	.90	1.8	8.0	.05	.02

DATE	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOSPHATE (PO4) (MG/L)	TOTAL IRON (FE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	SUS-PENDED MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	SUS-PENDED SEDIMENT (MG/L)	SUS-PENDED SEDIMENT DISCHARGE (T/DAY)
OCT 14...	.00	.01	.03	920	170	150	30	120	33	.62
DEC 12...	.11	.05	.15	7400	130	200	160	40	177	94
JAN 15...	--	.02	.06	1600	530	70	10	60	90	350
FEB 27...	.00	.00	.00	3700	190	120	60	60	156	463
APR 17...	.01	.00	.00	1800	1600	150	0	150	30	2.9
MAY 23...	.00	.01	.03	3000	1500	270	130	140	--	--
JUL 05...	.00	.00	.00	2000	1900	180	10	170	--	--
AUG 06...	.01	.00	.00	3400	500	110	30	80	90	10

02473490 TALLAHALA CREEK NEAR SANDERSVILLE, MS

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

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

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

REMARKS.--Samples are collected by a local observer. Stage-discharge relation based on intermittent discharge measurements.

WATER QUALITY DATA: WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	SPECIFIC CONDUCTANCE (MICRO- MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	DIS- SOLVED OXYGEN (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)
OCT 14...	1230	7.0	325	6.8	17.0	30	8.0	8.6	.06	.07	.03
DEC 12...	1145	236	80	6.8	10.5	30	15	10.2	.06	.08	.01
JAN 15...	1830	1230	60	6.8	8.5	60	25	10.6	--	.07	--
FEB 27...	1530	1550	--	6.8	16.0	70	35	9.4	.02	.05	.84
APR 17...	1500	88	--	6.9	20.0	50	15	8.1	.09	.09	.07
MAY 23...	1740	37	80	6.5	25.0	30	8.0	7.8	.16	.16	.04
JUL 05...	1730	30	80	6.2	27.0	50	10	7.0	.12	.12	.05
AUG 06...	1120	80	95	6.6	25.0	160	30	7.6	.08	.19	.07

DATE	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDED KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)
OCT 14...	.05	.06	.23	.24	.26	.00	.29	.32	1.4	.01	--
DEC 12...	.02	.03	.50	.49	.51	.00	.51	.57	2.5	.03	.01
JAN 15...	.03	.04	--	.40	--	--	.43	--	--	--	.01
FEB 27...	.84	1.1	.36	.36	1.2	.00	1.2	1.2	5.4	.07	.01
APR 17...	.08	.10	.69	.68	.76	.00	.76	.85	3.8	.02	.02
MAY 23...	.01	.01	.32	.24	.36	.11	.25	.52	2.3	.72	.72
JUL 05...	.12	.15	.91	.84	.96	.00	.96	1.1	4.8	.01	.03
AUG 06...	.11	.14	1.5	1.8	1.6	.00	1.9	1.7	7.4	.06	.04

DATE	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED ORTHO. PHOS- PHORUS (P) (MG/L)	DIS- SOLVED ORTHO PHOS- PHATE (PO4) (MG/L)	TOTAL IRON (FE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	SUS- PENDED SEDI- MENT (MG/L)	SUS- PENDED SEDI- MENT DIS- CHARGE (T/DAY)
OCT 14...	.00	.00	.00	650	200	130	20	110	54	1.0
DEC 12...	.01	.01	.03	1400	180	220	130	90	--	--
JAN 15...	--	.01	.03	1600	640	280	170	110	68	226
FEB 27...	.01	.00	.00	2000	230	80	20	60	66	276
APR 17...	.01	.00	.00	1500	1500	120	0	120	30	7.1
MAY 23...	.62	.62	1.9	1700	1400	100	0	100	--	--
JUL 05...	.00	.00	.00	1200	1300	120	0	120	--	--
AUG 06...	.01	.01	.03	3200	1600	130	0	130	162	35

PASCAGOULA RIVER BASIN

02473500 TALLAHALA CREEK AT LAUREL, MS

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

DRAINAGE AREA.--233 mi² (603 km²).

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

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

REMARKS.--Records good.

AVERAGE DISCHARGE.--39 years, 340 ft³/s (9.629 m³/s), 19.82 in/yr (503 mm/yr).

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,000 ft³/s (85 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Mar. 6	2400	6640	188	18.02	5.492	Apr. 29	0800	*7420	210	18.41	5.611
Apr. 3	0400	4110	116	16.02	4.883						

Minimum discharge, 14 ft³/s (0.40 m³/s) July 3, gage height, 1.88 ft (0.573 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	31	209	150	160	1690	1560	230	43	15	289	17
2	16	30	150	131	162	1340	2870	230	59	14	373	20
3	15	31	101	189	191	1170	3980	270	74	15	210	17
4	15	32	78	305	289	1520	3470	460	59	19	247	16
5	15	27	67	433	410	1780	2860	620	48	31	253	19
6	15	24	65	535	461	3720	2100	420	41	26	159	282
7	15	22	117	563	367	5710	1310	250	37	35	101	648
8	22	21	131	359	242	4020	945	200	32	27	78	619
9	26	21	114	372	188	3540	927	160	29	21	58	545
10	32	20	102	763	167	3010	466	140	28	22	46	684
11	24	22	120	927	150	2320	241	120	26	29	39	816
12	20	33	205	993	146	2110	194	108	25	54	39	391
13	18	32	330	1110	180	1900	166	100	24	128	30	132
14	17	63	390	2020	349	1600	146	92	25	260	27	117
15	16	86	413	2790	425	2490	136	86	23	141	25	110
16	16	90	307	1880	299	2690	125	78	26	83	25	160
17	18	61	235	1300	202	1980	115	72	35	55	21	158
18	15	60	189	1160	165	949	106	67	43	37	33	107
19	16	49	142	1160	147	364	110	64	39	40	23	106
20	18	52	125	550	137	285	131	60	38	41	20	215
21	15	57	148	278	131	243	531	55	29	33	27	284
22	16	61	155	241	120	222	3340	52	25	33	77	137
23	16	68	156	213	194	302	3730	51	23	71	53	106
24	15	76	129	219	708	473	6600	49	30	63	35	79
25	41	57	174	235	989	483	4080	47	24	49	27	62
26	28	49	355	309	1070	271	2530	51	21	34	23	53
27	35	45	542	356	1620	205	1040	53	20	33	22	48
28	30	91	576	273	1880	242	269	51	18	42	20	75
29	31	129	620	217	---	449	240	47	16	74	17	99
30	38	168	435	184	---	689	235	45	15	57	16	58
31	31	---	197	164	---	860	---	43	---	90	16	---
TOTAL	660	1608	7077	20379	11558	48627	44553	4371	975	1672	2429	6180
MEAN	21.3	53.6	228	657	413	1569	1485	141	32.5	53.9	78.4	206
MAX	41	168	620	2790	1880	5710	6600	620	74	260	373	816
MIN	15	20	65	131	120	205	106	43	15	14	16	16
CFSM	.09	.23	.98	2.82	1.77	6.73	6.37	.61	.14	.23	.34	.88
IN.	.11	.26	1.13	3.25	1.85	7.76	7.11	.70	.16	.27	.39	.99

CAL YR 1976	TOTAL	102582	MEAN 280	MAX 6620	MIN 15	CFSM 1.20	IN 16.38
WTR YR 1977	TOTAL	150089	MEAN 411	MAX 6600	MIN 14	CFSM 1.76	IN 23.96

02474500 TALLAHALA CREEK NEAR RUNNELSTOWN, MS

LOCATION.--Lat 31°19'57", long 89°06'46", in SE¼SE¼ sec.5, T.4 N., R.11 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, on right bank at downstream side of highway bridge between Sunrise and Runnelstown, 3 mi (5 km) south of Runnelstown, and 9 mi (14 km) upstream from mouth.

DRAINAGE AREA.--612 mi² (1,585 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 104.58 ft (31.876 m) above mean sea level. Prior to Oct. 1, 1971, at datum 5.00 ft (1.524 m) higher.

REMARKS.--Records good.

AVERAGE DISCHARGE.--38 years, 926 ft³/s (26.22 m³/s), 20.55 in/yr (522 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,800 ft³/s (929 m³/s) Feb. 24, 1961, gage height, 29.84 ft (9.095 m) in gage well, 30.07 ft (9.165 m) from outside gage, present datum; minimum, 29 ft³/s (0.82 m³/s) Oct. 31, 1963; minimum gage height, 4.86 ft (1.481 m) June 26, 1977, result of temporary regulation.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since about 1865, 30½ ft (9¼ m) in April 1900; flood in December 1919 reached a stage of 26¼ ft (8 m), and flood in about 1865 reached a stage between 26¼ ft (8 m) and 30½ ft (9¼ m), all from information by local residents, at datum 5.00 ft (1.524 m) higher.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,360 ft³/s (237 m³/s) Apr. 26, gage height, 20.72 ft (6.315 m); minimum, 44 ft³/s (1.25 m) June 26, gage height, 4.86 ft (1.481 m), result of temporary regulation.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	71	170	599	599	595	3500	2690	932	167	80	297	92
2	68	147	530	452	599	3070	3220	872	168	74	704	84
3	67	143	411	618	736	2630	3650	1040	230	78	1270	80
4	65	132	299	1330	1230	3780	4320	1100	262	88	1230	81
5	64	120	244	1290	1310	4190	5150	1620	223	108	776	93
6	69	112	221	1330	1310	4500	5180	1920	183	83	676	880
7	81	102	684	1780	1230	4650	4600	1490	156	96	468	1730
8	75	95	716	1660	1010	5430	3590	972	139	109	325	1710
9	81	89	552	1400	768	6870	2480	796	128	143	246	1590
10	85	87	411	2140	614	7140	2130	704	120	165	201	1400
11	93	92	607	2310	537	6250	1420	626	113	333	168	1470
12	95	176	1050	2400	492	6100	830	505	113	417	155	1590
13	91	164	1300	2350	498	5810	630	420	104	468	147	1080
14	82	214	1360	3910	720	5120	512	364	132	359	139	748
15	76	325	1230	4460	980	4140	436	348	137	740	120	584
16	74	402	1130	4360	1050	3580	390	308	115	716	109	649
17	78	306	908	4170	856	3720	351	280	109	393	103	526
18	82	239	692	3580	622	3670	335	260	109	255	152	465
19	85	201	537	2750	509	2610	356	246	120	196	213	346
20	87	199	459	2350	446	1350	373	232	121	161	716	1230
21	92	208	462	1570	408	1020	788	220	121	197	220	828
22	82	213	516	1000	381	868	5640	206	118	165	149	828
23	77	213	481	860	367	788	7040	197	103	147	153	468
24	73	208	420	800	2890	940	7290	192	96	134	206	318
25	130	208	519	908	3750	1230	7460	196	100	178	156	255
26	175	186	1530	900	2860	1240	8210	241	89	165	134	211
27	158	170	1510	960	3110	848	7620	242	91	161	120	183
28	132	700	1500	1070	3720	796	5830	306	81	244	132	178
29	132	916	1460	896	---	1270	3280	223	80	211	121	736
30	183	668	1360	728	---	1810	1240	189	83	278	115	836
31	194	---	1000	626	---	3340	---	173	---	346	104	---
TOTAL	2997	7205	24698	55557	33598	102260	97041	17420	3911	7288	9825	21269
MEAN	96.7	240	797	1792	1200	3299	3235	562	130	235	317	709
MAX	194	916	1530	4460	3750	7140	8210	1920	262	740	1270	1730
MIN	64	87	221	452	367	788	335	173	80	74	103	80
CFSM	.16	.39	1.30	2.93	1.96	5.39	5.29	.92	.21	.38	.52	1.16
IN.	.18	.44	1.50	3.38	2.04	6.22	5.90	1.06	.24	.44	.60	1.29
CAL YR 1976 TOTAL	296062			809	MAX 9390	MIN 64	CFSM 1.32	IN 18.00				
WTR YR 1977 TOTAL	383069			MEAN 1050	MAX 8210	MIN 64	CFSM 1.72	IN 23.28				

PASCAGOULA RIVER BASIN

02474600 BOGUE HOMO NEAR RICHTON, MS

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

DRAINAGE AREA.--344 mi² (891 km²).

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1944, 1955-56, 1965. October 1970 to current year.

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

REMARKS.--Records good except those for periods of doubtful gage-height record May 14 to June 20, which are poor. Discharge affected by occasional regulation of Bogue Homo Lake.

AVERAGE DISCHARGE.--7 years, 632 ft³/s (17.90 m³/s), 24.95 in/yr (634 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21,900 ft³/s (620 m³/s) Dec. 28, 1973, gage height, 27.63 ft (8.422 m), from floodmark; minimum, 7.0 ft³/s (0.20 m³/s) Sept. 16, 1972, minimum gage height, 3.49 ft (1.064 m) July 2, 1977.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,280 ft³/s (178 m³/s) Mar. 31, gage height, 16.11 ft (4.910 m); minimum, 12 ft³/s (0.34 m³/s) July 2, gage height, 3.49 (1.064 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	70	336	287	302	2060	4620	238	42	13	170	15
2	15	66	179	215	344	1730	2100	253	40	13	155	15
3	22	61	116	346	487	1450	1650	572	60	14	285	14
4	24	51	92	875	899	2320	1930	929	45	15	165	20
5	25	40	79	825	849	2840	2580	724	40	18	108	110
6	27	34	77	685	704	2710	2350	564	35	19	86	800
7	29	31	274	1040	648	3140	1630	461	30	16	60	900
8	29	30	492	1010	608	3450	1160	322	25	15	51	870
9	29	29	371	990	483	2710	878	244	23	16	40	828
10	27	28	233	1630	344	2020	624	215	21	18	34	915
11	26	29	334	1610	282	1610	377	188	20	35	30	624
12	26	52	774	1030	247	2180	269	302	19	48	26	266
13	25	37	964	869	235	2540	209	190	18	51	23	135
14	25	41	905	2140	262	2120	172	150	17	83	21	104
15	24	62	634	2910	298	1650	146	120	18	155	18	104
16	47	62	500	2580	336	1570	128	105	18	126	17	172
17	65	68	360	1960	329	1470	118	95	17	114	33	461
18	68	52	300	1780	256	1200	114	85	16	106	57	442
19	87	44	260	1630	201	786	116	80	15	83	253	381
20	98	43	240	1340	177	491	118	75	16	60	110	704
21	95	40	250	866	172	388	369	70	15	57	53	824
22	94	40	270	521	162	329	2400	66	15	62	34	676
23	94	46	240	419	155	278	4420	63	14	72	26	415
24	94	40	220	404	636	259	5730	60	16	57	21	275
25	119	35	400	476	1760	235	5230	58	34	45	19	162
26	107	34	1200	480	2160	218	3020	60	18	43	20	122
27	104	34	1140	461	2460	201	1940	70	15	47	20	108
28	93	219	826	487	2370	266	1290	90	13	41	19	108
29	72	595	758	449	---	521	708	65	13	65	18	195
30	85	597	708	377	---	724	340	50	13	51	17	162
31	75	---	515	333	---	3490	---	45	---	74	16	---
TOTAL	1765	2610	14047	31025	18166	46956	46736	6609	701	1632	2005	10827
MEAN	56.9	87.0	453	1001	649	1515	1558	213	23.4	52.6	64.7	361
MAX	119	597	1200	2910	2460	3490	5730	929	60	155	285	900
MIN	15	28	77	215	155	201	114	45	13	13	16	14
CFSM	.17	.25	1.32	2.91	1.89	4.40	4.53	.62	.07	.15	.19	1.05
IN.	.19	.28	1.52	3.36	1.96	5.08	5.05	.71	.08	.18	.22	1.17

CAL YR 1976 TOTAL 154814 MEAN 423 MAX 9980 MIN 11 CFSM 1.23 IN 16.74
WTR YR 1977 TOTAL 183079 MEAN 502 MAX 5730 MIN 13 CFSM 1.46 IN 19.80

02475000 LEAF RIVER NEAR McLAIN, MS

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

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

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

GAGE.--Water-stage recorder. Datum of gage is 42.15 ft (12.847 m) above mean sea level. Prior to Sept. 8, 1940, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--38 years, 5,311 ft³/s (150.4 m³/s), 20.55 in/yr (522 mm/yr).

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 32,100 ft³/s (909 m³/s) Apr. 26, gage height, 21.42 ft (6.529 m); minimum, 774 ft³/s (21.9 m³/s) Oct. 5, gage height, 2.39 ft (0.728 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	810	1550	4690	4130	3680	15100	17500	5330	1710	1010	2700	1270
2	806	1480	3690	3230	3620	14000	18800	5290	1940	976	2670	1150
3	797	1360	3070	3150	3790	11900	19400	9230	1690	1050	3880	1070
4	788	1230	2620	5130	5750	15400	20300	7200	1630	1070	4650	1040
5	784	1140	2260	7030	7290	18700	21100	6720	1570	1060	4010	1090
6	815	1040	1950	6680	7080	20600	21500	7500	1480	1150	3990	8620
7	905	990	3340	8600	6140	22200	20600	6950	1390	1130	3210	16500
8	1070	996	6250	9100	5300	23900	18900	5820	1310	1070	2550	12700
9	1240	972	4950	7660	4530	26300	17300	4680	1270	1120	2110	10300
10	1130	955	3550	11600	3880	28800	15300	3950	1230	1510	1930	9050
11	1020	960	3060	12800	3400	28800	9830	3500	1200	1890	1670	7830
12	966	1110	8500	13600	3100	29400	6320	3150	1180	2770	1480	5910
13	935	1690	9290	13400	2940	29100	4720	3050	1160	2720	1440	4370
14	920	1600	8540	15600	3230	25300	3950	3030	1180	2410	1360	3330
15	900	1970	7340	19700	4110	22600	3490	2710	1230	2340	1260	3050
16	890	2450	6350	20900	4700	20600	3170	2430	1330	3470	1180	3890
17	950	2130	5550	21000	4360	19000	2920	2240	1520	3220	1130	4380
18	984	1840	4650	19600	3570	16100	2720	2120	1400	2310	1550	3880
19	955	1610	3780	16800	3020	11900	2640	2020	1420	1770	2520	3300
20	972	1490	3250	12600	2730	7900	2930	1940	1520	1510	4460	3740
21	1010	1480	3280	8990	2560	5830	3170	1870	1360	1460	4280	4290
22	978	1550	3200	6380	2420	4970	10800	1810	1280	1460	2710	3640
23	966	1590	3060	5040	2480	4630	18700	1800	1220	1370	2210	3270
24	960	1570	2860	4650	5400	5750	23200	1800	1180	1280	1950	2710
25	1060	1470	2870	4690	11000	7650	29000	1720	1110	1190	1650	2230
26	1370	1420	6130	4960	12800	8850	31800	1690	1090	1220	1450	1910
27	1340	1450	8800	5220	13100	6790	29700	1710	1090	1380	1400	1700
28	1320	2510	8380	5420	14300	5470	24400	2150	1070	1760	1390	1520
29	1240	6870	7380	5040	---	6170	17900	2020	1060	2200	1460	1850
30	1320	6320	6520	4350	---	8990	9790	1700	1030	1760	1450	3360
31	1610	---	5350	3890	---	15000	---	1600	---	2100	1340	---
TOTAL	31811	54793	154510	290940	150280	487700	431850	108730	39850	52736	71040	132950
MEAN	1026	1826	4984	9385	5367	15730	14400	3507	1328	1701	2292	4432
MAX	1610	6870	9290	21000	14300	29400	31800	9230	1940	3470	4650	16500
MIN	784	955	1950	3150	2420	4630	2640	1600	1030	976	1130	1040
CFSM	.29	.52	1.42	2.67	1.53	4.48	4.10	1.00	.38	.49	.65	1.26
IN.	.34	.58	1.64	3.08	1.50	5.17	4.58	1.15	.42	.56	.75	1.41
CAL YR 1976 TOTAL	1587410			MEAN 4337	MAX 45700	MIN 784	CFSM 1.24	IN 16.82				
WTR YR 1977 TOTAL	2007190			MEAN 5499	MAX 31800	MIN 784	CFSM 1.57	IN 21.27				

PASCAGOULA RIVER BASIN

02475500 CHUNKY RIVER NEAR CHUNKY, MS

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

DRAINAGE AREA.--368 mi² (953 km²).

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

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

GAGE.--Water-stage recorder. Datum of gage is 269.00 ft (81.991 m) above mean sea level. Prior to Mar. 24, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--39 years, 478 ft³/s (13.54 m³/s), 17.64 in/yr (448 mm/yr).

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

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

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 11	1200	5110	145	12.28	3.743		
Mar. 6	0600	7340	208	15.41	4.697		
Mar. 23	0900	6230	176	13.88	4.231		
Apr. 6	0800	*9000	255	17.43	5.313		
Apr. 23	1300	7670	217	15.83	4.825		

Minimum discharge, 19 ft³/s (0.538 m³/s) July 7, 8; minimum gage height, 2.37 ft (0.722 m) Sept. 4.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	84	188	161	252	1720	3370	240	221	31	300	27
2	27	71	127	146	268	760	3060	228	200	27	163	26
3	25	55	106	304	281	542	4030	355	133	24	159	24
4	25	48	93	927	351	2480	3740	896	103	24	294	22
5	22	43	86	778	376	4670	4710	1020	85	23	236	24
6	26	38	84	445	299	6890	8120	1020	77	22	221	347
7	27	38	108	530	239	5920	4510	388	71	20	234	1340
8	32	39	175	576	212	4800	1950	260	63	28	114	1760
9	32	39	164	1330	200	2600	817	219	58	34	76	904
10	34	41	118	2840	195	1040	613	200	55	53	60	274
11	33	46	108	4760	189	929	493	170	52	51	56	189
12	31	66	159	3270	244	1700	414	155	51	109	63	159
13	31	104	394	1200	808	2970	366	143	46	147	56	149
14	28	94	379	1320	787	4510	322	133	51	118	52	185
15	25	185	247	1800	440	2860	284	123	91	60	46	151
16	24	179	209	1580	314	932	254	118	139	45	43	127
17	24	116	175	963	258	639	233	116	101	37	47	137
18	27	86	141	509	236	527	216	107	74	35	82	135
19	24	73	122	413	224	469	220	101	70	41	161	121
20	24	75	129	371	210	413	252	96	116	85	288	110
21	28	127	309	369	194	874	764	91	112	170	119	107
22	30	139	257	355	178	2740	3640	87	81	96	70	107
23	32	108	165	316	218	5560	6840	85	67	81	56	101
24	30	83	142	499	1450	3290	4810	92	55	123	49	91
25	33	71	329	873	2020	1190	2150	112	137	141	42	81
26	44	67	1170	630	1790	656	691	100	163	79	37	77
27	52	70	1030	438	1770	535	477	96	68	68	36	74
28	49	103	481	376	2160	739	378	103	49	98	35	77
29	49	344	278	321	---	1810	317	133	38	176	34	315
30	44	352	214	265	---	2730	278	103	34	487	32	517
31	81	---	185	247	---	3680	---	107	---	465	30	---
TOTAL	1027	2984	7872	28912	16163	71175	58319	7197	2661	2998	3291	7378
MEAN	33.1	99.5	254	933	577	2296	1944	232	88.7	96.7	106	246
MAX	81	352	1170	4760	2160	6890	8120	1020	221	487	300	1360
MIN	22	38	84	146	178	413	216	85	34	20	30	22
CFSM	.09	.27	.69	2.54	1.57	6.24	5.28	.63	.24	.26	.29	.67
IN.	.10	.30	.80	2.92	1.63	7.19	5.90	.73	.27	.30	.33	.75

CAL YR 1976	TOTAL	182149	MEAN	498	MAX	14600	MIN	18	CFSM	1.35	IN	18.41
WTR YR 1977	TOTAL	209977	MEAN	575	MAX	8120	MIN	20	CFSM	1.56	IN	21.23

PASCAGOULA RIVER BASIN

79

02476500 SOWASHEE CREEK AT MERIDIAN, MS

LOCATION.--Lat 32°22'10", long 88°40'40", in NE¼ sec.17, T.6 N., R.16 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03170001, near right bank on upstream side of bridge on U.S. Highway 45, 0.6 mi (1.0 km) downstream from Southern Railway System bridge, and 8 mi (13 km) upstream from mouth.

DRAINAGE AREA.--51.9 mi² (134.4 km²).

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

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

REMARKS.--Records good.

AVERAGE DISCHARGE.--27 years, 63.4 ft³/s (1.795 m³/s), 16.59 in/yr (421 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,530 ft³/s (270 m³/s) Apr. 6, 1964, gage height, 20.95 ft (6.386 m), present site and datum; maximum gage height, 21.52 ft (6.559 m) Apr. 13, 1974; minimum discharge, 0.20 ft³/s (0.006 m³/s) Oct. 4, 1954, and at times during July, August, September, 1957.

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

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

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Jan. 10	0230	1480	41.9	11.95	3.642	Mar. 22	0400	1430	40.5	11.62	3.542
Mar. 4	1500	*1910	54.1	14.05	4.282	Apr. 5	0630	1410	39.9	11.56	3.523
Mar. 12	1730	1530	43.3	12.20	3.719						

Minimum discharge, 2.3 ft³/s (0.065 m³/s) July 2, minimum gage height, 2.03 ft (0.619 m) Oct. 16.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	7.8	9.3	13	30	72	676	29	4.9	2.4	20	3.8
2	3.0	7.2	8.1	12	29	58	365	31	4.1	2.3	15	3.7
3	3.0	7.2	7.5	92	34	84	206	43	3.8	2.4	26	3.8
4	3.0	7.2	6.7	69	43	1520	453	41	3.8	2.3	13	3.8
5	2.9	6.9	6.2	38	35	344	894	33	3.7	2.3	12	2.0
6	13	7.5	6.7	38	29	1510	178	27	4.0	2.3	11	345
7	5.5	7.8	13	58	25	359	125	24	3.2	2.3	8.7	231
8	3.4	7.8	10	33	24	151	102	23	3.1	18	7.8	33
9	3.1	8.1	7.5	737	23	116	93	20	3.4	18	6.7	17
10	2.9	8.7	6.7	676	22	108	79	16	3.1	8.4	6.7	15
11	2.7	11	25	92	21	102	67	14	3.2	7.5	5.7	13
12	2.7	12	51	66	56	1130	60	15	3.7	5.5	4.9	12
13	2.6	7.5	53	55	85	314	54	12	4.4	3.8	4.6	10
14	2.6	25	23	395	51	134	47	11	4.9	3.0	4.6	9.6
15	2.7	19	29	127	38	104	42	9.9	5.3	2.6	6.7	12
16	2.6	6.7	19	76	31	88	36	12	7.2	2.6	6.2	16
17	3.2	4.7	14	55	29	76	32	13	5.5	2.7	6.9	13
18	2.9	4.3	12	50	28	72	31	11	5.5	2.7	75	12
19	2.8	4.4	11	43	26	63	32	11	9.3	6.7	16	12
20	3.3	13	22	42	23	56	30	8.4	12	5.3	10	20
21	3.1	16	18	41	20	510	120	7.5	4.4	3.5	7.2	14
22	3.1	7.5	13	35	19	812	1110	7.8	3.0	3.0	8.4	11
23	3.1	6.2	13	33	95	154	260	7.8	2.7	14	6.7	9.9
24	3.3	5.5	12	81	468	116	111	7.5	2.6	15	4.9	9.0
25	6.2	5.5	192	58	95	97	82	6.4	3.3	21	4.7	8.7
26	6.2	6.9	123	44	69	84	66	9.3	2.5	23	4.6	8.4
27	5.7	8.1	44	39	224	77	53	8.4	2.3	13	4.9	7.5
28	5.7	53	28	37	98	204	45	6.4	2.3	168	4.6	7.2
29	5.9	37	21	30	---	528	38	5.5	3.3	228	4.7	9.6
30	9.6	13	16	27	---	1040	32	7.2	2.6	133	4.7	13
31	9.0	---	15	30	---	262	---	5.3	---	71	4.1	---
TOTAL	132.1	342.5	835.7	3222	1770	10345	5519	483.4	127.1	795.6	327.0	904.0
MEAN	4.26	11.4	27.0	104	63.2	334	184	15.6	4.24	25.7	10.5	30.1
MAX	13	53	192	737	468	1520	1110	43	12	228	75	345
MIN	2.6	4.3	6.2	12	19	56	30	5.3	2.3	2.3	4.1	3.7
CFSM	.08	.22	.52	2.00	1.22	6.44	3.55	.30	.08	.50	.20	.58
IN.	.09	.25	.60	2.31	1.27	7.41	3.96	.35	.09	.57	.23	.65

CAL YR 1976	TOTAL	23241.4	MEAN 63.5	MAX 3300	MIN 2.4	CFSM 1.22	IN 16.66
WTR YR 1977	TOTAL	24803.4	MEAN 68.0	MAX 1520	MIN 2.3	CFSM 1.31	IN 17.78

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

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

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

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

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

AVERAGE DISCHARGE.--9 years, 526 ft³/s (14.90 m³/s), 20.89 in/yr (531 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,400 ft³/s (351 m³/s) Dec. 26, 1973, gage height, 19.64 ft (5.986 m); gage height at supplementary gage, 19.28 ft (5.876 m); minimum daily, 20 ft³/s (0.57 m³/s) Oct. 5, 26, 1968.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,600 ft³/s (130 m³/s) Apr. 22, gage height, 16.71 ft (5.093 m); minimum, 28 ft³/s (0.793 m³/s) Nov. 6, gage height, 2.11 ft (0.643 m).

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.10	2.87	2.84	3.37	4.66	7.36	12.73	9.58	3.51	3.42	4.95	3.72
2	2.95	2.77	2.68	3.27	4.41	7.64	13.77	9.09	3.52	3.42	4.16	3.31
3	2.60	2.49	2.60	4.00	4.45	7.52	10.99	9.15	3.44	3.41	5.31	3.30
4	2.56	2.39	2.54	5.29	4.59	14.12	10.15	8.76	3.34	3.37	4.34	3.30
5	2.56	2.19	2.50	5.12	4.48	15.25	15.08	8.41	3.28	3.35	4.31	3.38
6	3.22	2.19	2.53	4.93	4.31	15.74	14.33	8.74	3.24	3.36	3.98	6.03
7	3.00	2.28	2.89	5.12	4.19	15.41	12.69	8.76	3.28	3.41	3.79	11.01
8	2.92	2.27	2.76	5.28	4.13	11.78	11.93	8.69	3.22	3.45	3.65	7.54
9	2.88	2.27	2.70	6.93	3.98	10.15	11.50	8.55	3.23	5.37	3.61	5.01
10	2.86	2.27	2.60	12.31	3.78	10.12	11.15	7.73	3.38	4.37	3.52	4.42
11	2.85	2.30	3.08	11.72	3.73	9.77	10.87	6.63	3.41	4.20	3.49	4.17
12	2.85	2.85	3.68	8.58	4.07	12.68	10.65	5.97	3.39	3.92	3.51	3.95
13	2.85	2.43	3.94	8.12	5.13	14.11	10.49	5.82	3.34	4.22	3.47	3.84
14	2.84	3.07	3.38	10.08	4.54	10.03	10.38	5.71	3.29	3.55	3.43	3.77
15	2.83	3.18	3.39	10.38	4.16	9.49	10.22	5.63	3.29	3.51	3.55	3.78
16	2.84	2.72	3.17	8.35	3.93	9.82	10.12	5.58	3.31	3.45	3.88	3.99
17	2.87	2.55	2.99	8.17	3.81	10.06	10.01	4.96	3.33	3.39	3.44	3.80
18	2.85	2.45	2.86	8.57	3.78	10.06	9.91	4.30	3.32	3.37	4.10	3.70
19	2.85	2.42	2.77	8.64	3.74	9.51	9.03	4.12	3.32	3.56	6.06	3.67
20	2.87	2.79	3.10	8.60	3.66	9.12	8.27	4.00	4.05	3.68	4.14	3.83
21	2.85	2.91	3.09	8.57	3.61	10.23	9.06	3.91	3.91	3.54	3.73	3.82
22	2.85	2.60	3.03	7.68	3.59	15.13	15.81	3.80	3.48	3.54	3.57	3.66
23	2.84	2.50	2.87	5.74	4.49	13.80	16.05	3.78	3.34	3.69	3.58	3.60
24	2.82	2.44	2.81	5.74	10.60	9.83	13.37	3.90	3.28	4.28	3.40	3.53
25	2.97	2.39	3.77	5.89	7.30	9.40	10.97	3.77	3.31	4.01	3.37	3.49
26	2.93	2.41	6.46	5.46	6.88	9.99	10.03	3.72	3.27	4.08	3.35	3.47
27	2.87	2.44	5.80	5.24	9.31	10.21	9.74	3.68	3.21	3.83	3.35	3.46
28	2.84	3.50	6.11	5.12	8.14	10.97	10.08	3.71	3.19	4.66	3.35	3.45
29	2.84	3.73	5.42	4.99	---	11.44	10.24	3.60	3.35	7.29	3.35	3.47
30	3.02	3.14	4.26	4.85	---	14.99	10.17	3.51	3.42	7.20	3.34	3.59
31	2.93	---	3.87	4.80	---	14.06	---	3.50	---	6.98	3.33	---
MEAN	2.87	2.63	3.44	6.80	4.91	11.28	11.33	5.84	3.38	4.09	3.82	4.16
MAX	3.22	3.73	6.46	12.31	10.60	15.74	16.05	9.58	4.05	7.29	6.06	11.01
MIN	2.56	2.19	2.50	3.27	3.59	7.36	8.27	3.50	3.19	3.35	3.33	3.30
WTR YR 1977	MEAN	5.38	MAX	16.05	MIN	2.19						

PASCAGOULA RIVER BASIN

31

02476600 OKATIBBEE CREEK AT ARUNDEL, MS--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	96	77	74	121	279	751	2320	1320	92	107	314	116
2	83	69	62	111	247	816	2680	1190	93	107	207	115
3	56	49	56	194	254	903	1740	1200	87	106	442	114
4	53	42	52	362	273	3250	1490	1100	79	102	220	114
5	53	32	49	336	260	3430	2820	1010	75	101	225	123
6	107	32	51	308	240	3670	2570	1090	72	101	186	541
7	87	36	78	336	224	3470	2040	1100	75	106	165	1750
8	81	36	68	360	218	2000	1840	1080	71	110	150	816
9	77	36	63	705	201	1490	1740	1040	72	385	145	321
10	76	36	56	2170	179	1480	1670	811	84	236	136	233
11	75	37	97	1760	175	1380	1630	562	87	214	133	196
12	75	76	154	991	218	2360	1600	398	85	181	135	172
13	75	45	181	900	362	2820	1590	336	82	219	131	161
14	74	104	122	1480	275	1460	1550	305	78	139	127	154
15	73	104	124	1560	225	1300	1510	280	78	135	141	155
16	74	69	102	991	198	1390	1480	260	81	129	176	187
17	77	56	87	944	184	1460	1440	196	82	123	128	166
18	75	49	76	1050	180	1460	1410	127	82	121	208	155
19	75	47	69	1070	176	1300	1170	105	82	141	502	152
20	77	75	98	1060	167	1190	970	103	154	153	205	169
21	75	85	95	1050	162	1540	1190	98	139	138	158	168
22	75	60	90	833	159	3210	3900	91	97	138	141	151
23	74	53	77	437	318	2700	3880	92	85	154	142	144
24	73	48	72	435	1620	1400	2540	105	81	223	124	137
25	85	45	186	460	747	1270	1730	96	83	190	121	133
26	81	47	563	390	648	1440	1450	95	81	199	119	131
27	77	48	445	357	1250	1500	1370	94	77	170	119	130
28	74	145	499	341	947	1740	1460	104	86	276	119	129
29	74	159	389	323	---	1890	1510	92	101	736	119	131
30	90	100	219	303	---	3160	1490	87	107	725	118	143
31	81	---	174	297	---	2800	---	89	---	690	117	---
TOTAL	2378	1897	4528	22035	10386	60030	55780	14656	2628	6655	5473	7307
MEAN	76.7	63.2	146	711	371	1936	1859	473	87.6	215	177	244
MAX	107	159	563	2170	1620	3670	3900	1320	154	736	502	1750
MIN	53	32	49	111	159	751	970	87	71	101	117	114
CFSM	.22	.19	.43	2.08	1.09	5.66	5.44	1.38	.26	.63	.52	.71
IN.	.26	.21	.49	2.40	1.13	6.53	6.07	1.59	.29	.72	.60	.79
CAL YR 1976	TOTAL	166773	MEAN	456	MAX	10700	MIN	32	CFSM	1.33	IN	18.14
WTR YR 1977	TOTAL	193753	MEAN	531	MAX	3900	MIN	32	CFSM	1.55	IN	21.07

PASCAGOULA RIVER BASIN

02477000 CHICKASAWHAY RIVER AT ENTERPRISE, MS

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

DRAINAGE AREA.--913 mi² (2,365 km²).

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

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

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

REMARKS.--Records good. Some regulation since Nov. 26, 1968, by Okatibbee Lake, 38 mi (61 km) upstream.

AVERAGE DISCHARGE.--39 years, 1,211 ft³/s (34.30 m³/s), 18.01 in/yr (457 mm/yr).

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

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

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

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Mar. 7	0900	*14000 396	28.42 8.662	Apr. 24	0330	13100 371	27.61 8.416
Apr. 7	0600	12600 357	27.22 8.297				

Minimum discharge, 79 ft³/s (2.24 m³/s) Oct. 5, gage height, 4.68 ft (1.426 m).

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.07	5.51	6.54	6.50	7.49	14.48	23.59	10.63	6.00	5.34	---	5.37
2	5.05	5.37	5.94	6.32	7.36	11.88	22.98	10.25	6.27	5.33	---	5.33
3	4.83	5.18	5.69	7.24	7.49	10.42	22.70	11.42	5.88	5.31	---	5.29
4	4.71	5.04	5.56	10.30	7.99	21.64	21.83	14.34	5.59	5.28	---	5.28
5	4.70	4.89	5.47	10.13	7.98	24.64	23.72	12.49	5.42	5.27	---	5.31
6	5.24	4.81	5.45	8.72	7.62	27.05	25.99	12.51	5.33	5.29	---	9.82
7	5.28	4.79	5.67	8.80	7.24	28.26	26.72	11.03	5.31	5.39	---	16.14
8	5.10	4.82	6.03	9.24	7.01	26.60	21.93	10.13	5.24	5.60	---	14.21
9	5.07	4.83	6.07	12.09	6.88	22.12	17.43	9.82	5.19	7.09	6.10	10.74
10	5.03	4.86	5.78	20.73	6.72	17.96	14.76	9.20	5.29	6.37	5.93	8.25
11	5.03	4.96	5.89	21.71	6.66	15.84	12.90	8.34	5.32	7.01	5.99	7.30
12	5.01	5.39	6.61	21.08	6.91	19.78	12.05	7.67	5.29	6.69	6.43	6.93
13	4.99	5.48	7.65	17.08	9.34	22.26	11.62	7.48	5.22	7.03	5.98	6.72
14	4.98	5.62	7.81	15.54	9.70	22.73	11.32	7.35	5.31	6.47	5.80	6.82
15	4.95	6.46	7.15	17.11	8.29	20.84	11.04	7.26	5.36	6.02	5.69	7.18
16	4.93	6.35	6.75	14.83	7.49	16.56	10.80	7.18	5.87	5.89	6.03	7.25
17	4.97	5.82	6.42	12.64	7.11	13.45	10.61	6.86	5.85	5.65	5.75	6.80
18	4.96	5.47	6.11	10.99	6.94	12.24	10.46	6.15	5.52	5.58	6.04	---
19	4.96	5.32	5.91	10.52	6.84	11.59	10.15	5.96	5.48	5.62	9.10	---
20	4.98	5.49	5.99	10.25	6.74	11.02	9.50	5.87	6.32	5.91	7.28	---
21	5.08	5.83	6.73	10.17	6.61	11.80	11.47	5.79	6.37	6.49	6.74	---
22	5.04	5.87	6.89	9.77	6.51	20.56	24.58	5.70	5.72	6.55	6.08	---
23	5.16	5.65	6.32	8.45	7.15	23.58	27.11	5.67	5.53	6.19	5.92	---
24	5.06	5.43	6.05	8.81	15.03	22.96	27.20	5.96	5.58	6.42	5.77	---
25	5.23	5.29	7.12	10.24	15.98	17.59	22.54	6.01	5.48	6.90	5.64	---
26	5.21	5.22	12.16	9.62	13.85	13.68	16.94	5.94	6.13	6.56	5.58	---
27	5.20	5.28	11.19	8.64	15.66	12.16	13.48	5.84	5.61	6.17	5.55	5.96
28	5.17	5.99	9.83	8.27	16.39	12.84	11.63	6.00	5.35	---	5.51	5.96
29	5.16	7.29	8.39	7.95	---	16.35	11.25	5.88	5.34	---	5.60	6.69
30	5.29	7.46	7.31	7.64	---	21.71	11.03	5.73	5.39	---	5.47	8.10
31	5.37	---	6.95	7.53	---	22.71	---	5.64	---	---	5.41	---
MEAN	5.06	5.53	6.88	11.26	8.82	18.30	16.98	7.94	5.59	---	---	---
MAX	5.37	7.46	12.16	21.71	16.39	28.26	27.20	14.34	6.37	---	---	---
MIN	4.70	4.79	5.45	6.32	6.51	10.42	9.50	5.64	5.19	---	---	---

PASCAGOULA RIVER BASIN

83

02477000 CHICKASAWHAY RIVER AT ENTERPRISE, MS--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	136	208	437	426	697	3240	8480	1740	302	159	790	124
2	132	185	294	381	661	2210	7860	1600	360	158	470	116
3	100	153	242	638	698	1660	7580	2030	274	154	670	110
4	83	131	216	1620	847	7180	6800	3190	215	148	660	107
5	82	109	201	1560	845	9630	8640	2440	184	146	580	112
6	162	97	197	1080	737	12400	11100	2450	169	148	510	1580
7	169	95	238	1110	628	13800	12000	1890	166	164	500	3910
8	140	99	312	1250	563	11900	7120	1560	156	203	330	3130
9	136	100	321	2360	529	7210	4450	1450	145	557	269	1780
10	130	104	260	6020	483	4680	3350	1240	161	358	235	860
11	129	119	284	6700	467	3790	2610	960	166	522	247	544
12	126	187	456	6280	536	5700	2270	750	161	435	341	430
13	123	203	747	4320	1290	7180	2100	696	148	530	241	372
14	122	229	794	3670	1410	7620	1990	657	162	377	208	400
15	117	418	603	4310	945	6150	1880	634	170	276	187	517
16	115	391	493	3380	699	4090	1800	609	263	245	251	536
17	121	268	407	2510	591	2830	1730	523	257	201	196	402
18	120	201	331	1870	543	2350	1680	341	196	189	253	350
19	120	175	286	1700	518	2090	1570	297	189	194	1180	330
20	122	205	304	1600	489	1880	1340	276	363	247	563	340
21	137	269	489	1570	455	2190	2090	259	375	380	405	330
22	131	279	530	1430	429	6030	9650	243	232	392	253	310
23	149	234	382	994	630	8500	12500	235	196	304	220	290
24	134	194	317	1110	3460	7960	12600	293	206	355	194	270
25	161	170	624	1600	3840	4540	7680	304	186	479	170	260
26	158	160	2320	1380	2990	2920	4250	288	315	392	161	250
27	156	169	1940	1050	3710	2310	2840	267	210	295	154	232
28	151	307	1460	937	4010	2590	2110	299	164	480	148	234
29	150	643	975	835	---	4010	1960	274	161	1180	161	380
30	170	690	647	742	---	6760	1880	243	169	1560	140	829
31	185	---	546	709	---	7600	---	226	---	1490	130	---
TOTAL	4167	6792	17653	65142	33700	173000	153910	28264	6421	12718	10817	19435
MEAN	134	226	569	2101	1204	5581	5130	912	214	410	349	648
MAX	185	690	2320	6700	4010	13800	12600	3190	375	1560	1180	3910
MIN	82	95	197	381	429	1660	1340	226	145	146	130	107
CFSM	.15	.25	.62	2.30	1.32	6.11	5.62	1.00	.23	.45	.38	.71
IN.	.17	.28	.72	2.65	1.37	7.05	6.27	1.15	.26	.52	.44	.79
CAL YR 1976	TOTAL	455763	MEAN	1245	MAX	27600	MIN	82	CFSM	1.36	IN	18.57
WTR YR 1977	TOTAL	532019	MEAN	1458	MAX	13800	MIN	82	CFSM	1.60	IN	21.68

02477350 CHICKASAWHAY RIVER AT SHUBUTA, MS

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

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

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

GAGE.--Nonrecording gage. Datum of gage is 147.30 ft (44.897 m) above mean sea level. Prior to Mar. 13, 1940, at site 3,500 ft (1,070 m) upstream at datum 3.87 ft (1.180 m) higher.

REMARKS.--Records furnished by National Weather Service.

EXTREMES FOR PERIOD OF RECORD.--1905 to 1961: Maximum discharge, 86,000 ft³/s (2,440 m³/s) Dec. 11, 1919 (gauge 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 gauge height, 47.2 ft (14.387 m) Dec. 11, 1919; minimum since January 1972, 3.09 ft (0.942 m) Oct. 22, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum, 29.32 ft (8.937 m) Mar. 10; minimum, 3.09 ft (0.942 m) Oct. 22.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.39	3.89	6.64	5.97	6.87	18.92	25.31	8.56	4.28	3.55	12.72	3.50
2	3.38	3.61	5.77	5.43	6.71	16.19	27.98	7.74	4.25	3.52	11.21	3.50
3	3.36	3.56	5.21	5.70	6.62	13.56	28.00	9.87	4.23	3.47	9.63	3.41
4	3.35	3.54	4.54	7.89	8.37	19.97	26.14	12.86	4.19	3.43	5.84	3.39
5	3.32	3.49	4.48	10.82	8.80	26.46	25.88	16.10	4.13	3.48	6.47	3.35
6	3.41	3.46	4.45	11.29	8.47	26.73	24.86	14.28	4.10	3.44	6.58	7.46
7	3.78	3.31	5.67	9.71	7.70	27.28	23.53	13.52	4.02	3.38	5.97	13.70
8	3.31	3.29	5.07	8.81	7.21	27.97	23.76	11.31	3.87	3.34	5.38	15.13
9	3.60	3.28	4.88	8.39	6.97	28.82	24.57	9.14	3.63	3.53	4.97	14.80
10	3.67	3.26	4.83	16.71	6.28	29.32	24.00	8.73	3.60	4.61	4.39	11.44
11	3.65	3.25	4.86	18.63	5.93	28.81	20.12	8.52	3.58	5.07	4.19	8.83
12	3.50	3.48	6.73	19.10	5.85	27.15	13.84	7.87	3.56	5.31	4.06	6.34
13	3.38	3.51	8.57	19.37	6.47	25.70	11.47	6.80	3.55	7.43	4.58	5.78
14	3.35	3.64	8.32	21.48	9.82	23.52	10.83	6.31	3.51	6.62	4.41	5.19
15	3.32	4.84	7.82	22.90	9.31	23.00	10.46	6.28	3.48	5.53	3.83	5.08
16	3.31	4.89	7.21	19.57	8.29	22.95	10.08	6.24	3.47	4.70	3.79	4.98
17	3.23	5.26	6.35	17.38	7.11	22.02	9.78	6.02	4.11	4.50	3.76	6.36
18	3.17	5.19	5.87	15.21	6.58	18.08	9.54	5.87	4.09	4.12	3.73	5.78
19	3.15	4.29	5.31	11.49	6.29	12.78	9.33	5.53	3.90	3.98	5.26	5.11
20	3.12	4.33	4.95	9.57	6.03	11.55	9.18	5.19	4.02	3.84	7.72	4.51
21	3.10	4.41	4.78	9.23	5.93	10.82	8.98	4.87	4.32	3.79	7.14	4.11
22	3.09	4.59	5.27	9.57	5.87	10.83	13.64	4.52	4.64	3.64	5.61	4.17
23	3.39	4.57	5.88	9.33	5.81	15.47	24.50	4.40	4.17	3.72	4.96	4.27
24	3.40	4.53	5.53	8.14	13.78	17.95	25.92	4.43	3.89	4.50	4.05	4.10
25	3.52	4.42	5.31	6.47	18.63	19.67	26.62	4.52	3.72	4.34	3.98	4.07
26	3.74	4.29	9.63	10.12	17.95	20.06	28.67	4.56	3.65	4.11	3.87	4.02
27	3.98	4.46	13.00	9.57	17.97	17.12	27.50	4.63	3.57	4.21	3.57	3.97
28	4.01	4.64	12.23	8.49	19.73	12.35	23.85	4.52	3.56	4.66	3.50	3.95
29	3.81	6.00	9.96	7.86	---	13.83	14.43	4.54	3.56	5.12	3.47	3.98
30	4.68	6.21	7.89	7.37	---	17.00	10.18	4.51	3.55	5.73	3.47	3.94
31	4.28	---	6.53	7.15	---	20.47	---	4.48	---	10.91	3.46	---
MEAN	3.51	4.18	6.57	11.57	8.98	20.20	19.10	7.31	3.87	4.57	5.34	5.94
MAX	4.68	6.21	13.00	22.90	19.73	29.32	28.67	16.10	4.64	10.91	12.72	15.13
MIN	3.09	3.25	4.45	5.43	5.81	10.82	8.98	4.40	3.47	3.34	3.46	3.35
CAL YR 1976	MEAN	7.62	MAX	38.00	MIN	3.09						
WTR YR 1977	MEAN	8.43	MAX	29.32	MIN	3.09						

02477500 CHICKASAWHAY RIVER NEAR WAYNESBORO, MS

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

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

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

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

REMARKS.--Records furnished by National Weather Service.

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

EXTREMES FOR PERIOD OF RECORD.--1938-1950: Maximum discharge, 26,000 ft³/s (736 m³/s) Jan. 24, 1947 (gage height, 39.00 ft or 11.887 m); minimum, 149 ft³/s (4.22 m³/s) Aug. 28, 1943 (gage height, 2.48 ft or 0.756 m). 1947 to current year: Maximum gage height, 47.90 ft (14.600 m) Feb. 26, 1961 (discharge, 58,300 ft³/s or 1,651 m³/s); minimum since January 1972, 0.8 ft (0.24 m) Oct. 15, 16, 17, 1976.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1900 reached a stage of 51.5 ft (15.697 m) at site 1.3 mi (2.1 km) upstream, at datum 2.95 ft (0.899 m) higher and about 50 ft (15.2 m) at present site and datum (discharge about 73,000 ft³/s or 2,070 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum observed, 27.9 ft (8.50 m) Mar. 11; minimum observed, 0.8 ft (0.24 m) Oct. 15, 16, 17.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.10	1.90	5.20	13.70	7.10	18.80	22.90	10.70	4.30	3.00	11.10	3.20
2	1.10	1.90	4.80	13.20	7.10	17.00	26.00	10.20	4.30	2.90	11.10	3.10
3	1.30	1.80	3.30	12.90	4.80	15.50	27.10	10.50	4.10	2.90	7.70	3.00
4	1.00	1.80	3.20	13.50	7.90	15.80	25.40	11.20	4.30	3.00	6.10	3.00
5	1.00	1.60	3.10	14.30	9.10	23.70	26.10	15.40	4.20	3.00	6.00	2.90
6	.90	1.40	2.40	12.20	9.10	25.70	25.10	15.30	3.80	3.10	6.70	3.10
7	1.00	1.20	2.90	12.00	8.50	26.00	23.90	13.50	3.70	3.00	6.30	15.00
8	1.10	1.20	4.20	10.30	7.70	26.40	23.00	13.10	3.50	2.90	5.80	14.70
9	1.60	1.10	3.20	9.60	7.00	26.70	23.20	11.30	3.40	2.90	5.30	14.80
10	1.40	1.10	3.10	15.10	6.60	27.50	23.50	10.10	3.30	3.30	4.80	12.60
11	1.30	1.60	3.10	18.40	6.30	27.90	22.60	9.10	3.20	5.70	4.30	9.90
12	1.40	1.70	3.00	19.30	6.10	27.60	18.50	8.20	3.10	5.10	4.10	7.60
13	1.70	1.90	7.70	18.90	6.10	27.30	12.40	7.30	3.10	7.80	3.90	5.80
14	1.10	2.30	6.20	19.90	8.50	25.20	11.20	6.80	3.10	6.80	4.00	5.30
15	.80	3.20	6.50	22.30	10.00	23.20	10.70	6.60	3.10	6.30	4.10	5.10
16	.80	3.50	6.80	22.10	9.40	22.60	10.40	6.40	3.10	5.20	3.80	5.10
17	.80	3.80	---	19.40	8.00	22.30	10.00	6.20	3.20	4.50	3.40	7.20
18	.90	3.50	---	16.30	6.90	20.80	9.70	6.00	3.70	4.20	3.30	6.70
19	.90	3.20	---	13.60	6.50	15.60	7.40	5.60	3.80	3.90	3.50	5.80
20	.90	2.20	3.50	11.00	6.20	12.40	9.50	5.10	4.00	3.80	5.10	5.30
21	.90	2.60	3.30	12.20	6.10	11.40	9.50	4.90	3.80	3.60	6.90	4.60
22	.90	2.50	3.90	12.40	5.90	10.90	11.50	4.70	4.00	3.50	9.70	4.50
23	1.00	2.80	3.40	10.40	5.60	13.40	17.00	4.60	4.20	3.70	5.30	4.30
24	1.00	---	3.50	9.00	14.20	16.60	23.80	4.40	3.70	4.50	4.50	4.00
25	1.40	---	3.20	8.50	17.50	17.80	24.60	4.40	3.50	4.20	4.00	3.80
26	1.80	---	5.80	9.50	18.30	18.90	25.50	4.40	3.40	4.10	3.70	3.70
27	1.90	---	10.40	10.20	17.70	19.10	25.20	4.30	3.20	4.30	3.50	3.60
28	1.80	---	11.20	9.40	18.90	14.90	25.50	4.40	3.50	4.60	3.30	2.60
29	1.50	---	14.20	8.40	---	13.40	22.10	4.40	3.40	4.70	3.20	4.60
30	1.60	10.80	15.40	7.80	---	16.10	12.00	4.40	3.20	4.90	3.20	4.20
31	---	---	14.30	7.40	---	19.40	---	4.30	---	8.30	3.20	---
MEAN	---	---	---	13.33	9.04	20.00	18.84	7.67	3.61	4.31	5.19	5.97
MAX	---	---	---	22.30	18.90	27.90	27.10	15.40	4.30	8.30	11.10	15.00
MIN	---	---	---	7.40	4.80	10.90	7.40	4.30	3.10	2.90	3.20	2.60

PASCAGOULA RIVER BASIN

02477990 BUCKATUNNA CREEK NEAR DENHAM, MS

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

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

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

GAGE.--Water-stage recorder. Datum of gage is 141.15 ft (43.023 m) above mean sea level. Prior to water year 1975, at datum 3.94 ft (1.201 m) lower.

REMARKS.--Records good.

AVERAGE DISCHARGE.--5 years, 932 ft³/s (26.39 m³/s), 25.83 in/yr (656 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,500 ft³/s (325 m³/s) Apr. 16, 1974, gage height, 33.81 ft (10.305 m) at datum then in use; minimum, 7.8 ft³/s (0.22 m³/s) Sept. 21-22, 1972, gage height, 3.92 ft (1.195 m).

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

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Mar. 12	1900	*6090 172	24.88 7.583	Apr. 5	1300	4610 131	21.38 6.517

Minimum discharge, 29 ft³/s (0.821 m³/s). Oct. 21, 22, gage height, 4.22 ft (1.286 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	72	588	468	546	2140	3040	370	105	40	1320	71
2	51	61	430	408	553	2120	3760	454	91	36	975	60
3	46	66	272	662	650	2040	3720	858	83	43	1040	51
4	41	61	187	1170	1060	3100	4150	1400	80	34	766	51
5	36	56	142	1020	993	3880	4540	1580	78	31	434	60
6	41	51	115	1060	893	3960	4240	1580	73	31	313	1730
7	48	48	518	1430	760	4220	3740	1100	67	38	260	3220
8	40	46	598	1140	627	4440	3010	656	60	36	236	1450
9	35	42	404	1400	550	4900	2200	507	56	71	223	876
10	36	41	319	2910	499	4830	1680	442	53	115	170	620
11	41	43	638	2410	466	4310	1150	444	50	107	136	385
12	41	51	1770	1940	448	5250	872	350	48	231	120	264
13	40	59	1630	1780	457	4920	743	291	52	392	102	221
14	38	79	1410	2890	596	3750	652	254	67	467	88	189
15	35	279	1210	3450	780	2970	589	228	49	338	77	170
16	33	247	979	2950	701	2410	539	207	48	191	71	175
17	35	232	719	2410	561	2220	487	190	66	134	74	180
18	34	202	578	1990	484	2170	439	173	62	107	147	165
19	31	140	460	1740	440	1570	406	159	56	107	929	150
20	30	133	414	1200	415	1130	385	149	59	92	408	140
21	30	144	464	898	390	955	386	139	63	83	186	130
22	30	115	452	814	366	869	875	127	52	75	173	120
23	30	119	438	755	377	864	1420	122	59	71	144	115
24	30	130	378	747	2570	951	1330	117	106	64	112	110
25	79	92	628	792	2880	984	1310	109	100	65	97	105
26	74	59	1980	837	2080	853	1370	104	70	111	84	102
27	51	52	1420	855	2200	734	1170	100	59	211	77	100
28	43	1070	1240	785	2300	860	687	98	52	174	69	130
29	56	1530	1050	679	---	1390	519	95	47	177	81	450
30	90	699	750	605	---	2020	431	92	46	256	66	800
31	94	---	566	560	---	2180	---	96	---	1320	61	---
TOTAL	1390	6019	22747	42755	25642	78990	49840	12591	1957	5248	9039	12390
MEAN	44.8	201	734	1379	916	2548	1661	406	65.2	169	292	413
MAX	94	1530	1980	3450	2880	5250	4540	1580	106	1320	1320	3220
MIN	30	41	115	408	366	734	385	92	46	31	61	51
CFSM	.09	.41	1.50	2.81	1.87	5.20	3.39	.83	.13	.35	.60	.84
IN.	.11	.46	1.73	3.25	1.95	6.00	3.78	.96	.15	.40	.69	.94

CAL YR 1976	TOTAL	254760	MEAN	696	MAX	10200	MIN	27	CFSM	1.42	IN	19.34
WTR YR 1977	TOTAL	268608	MEAN	736	MAX	5250	MIN	30	CFSM	1.50	IN	20.39

PASCAGOULA RIVER BASIN

87

02478500 CHICKASAWHAY RIVER AT LEAKESVILLE, MS

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

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

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

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

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

REMARKS.--Records good except those for period of no gage-height record, July 28 to Sept. 7, Which are poor.

AVERAGE DISCHARGE.--39 years, 3,783 ft³/s (107.1 m³/s), 19.17 in/yr (487 mm/yr).

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 27,500 ft³/s (779 m³/s) Mar. 14, gage height, 27.65 ft (8.428 m); minimum, 468 ft³/s (13.3 m³/s) Oct. 22, 23, gage height, 8.57 ft (2.612 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	535	1040	3580	2880	2950	11600	15400	7630	1100	624	1800	760
2	519	900	2720	2440	2900	11000	16500	4530	1160	599	2500	720
3	512	801	2330	2480	2900	9820	17000	5630	1060	601	3200	690
4	506	730	1910	3370	3380	10600	18000	6130	986	603	2900	660
5	493	694	1600	4130	4140	13600	19000	5930	990	632	2600	800
6	522	666	1410	4530	4170	15400	19700	7310	946	625	2200	2300
7	509	620	1800	5720	3750	17200	20000	7550	881	620	1800	9100
8	542	580	3170	6180	3330	18300	19500	6410	824	616	1600	10100
9	545	552	2960	5150	2920	18900	18400	5480	779	609	1400	8680
10	576	532	2270	7350	2630	19400	16900	4330	742	646	1200	6720
11	573	526	2030	9790	2450	19900	15700	3550	715	922	1100	5220
12	535	623	4870	10400	2320	22300	14500	3380	685	1360	1000	3690
13	539	730	7410	10400	2230	25600	11500	3330	663	1380	950	2890
14	562	814	6510	11300	2260	27300	6800	2510	652	1840	900	2290
15	542	1100	5440	14400	2830	26500	4870	2200	646	2060	840	2060
16	490	1600	4600	15800	3370	23800	4280	2020	652	1860	800	1830
17	516	1590	3820	15700	3170	20500	3930	1890	639	1440	760	1890
18	503	1460	3120	14100	2660	17500	3670	1790	657	1160	950	2110
19	496	1300	2630	11000	2330	15400	3470	1710	709	993	1500	2060
20	483	1170	2370	7940	2150	12200	3380	1590	736	915	2600	1860
21	471	1130	2370	5940	2020	7700	3550	1440	750	895	2000	1670
22	468	1170	2330	4860	1910	5830	5280	1340	747	874	1700	1420
23	471	1120	2240	4400	1900	5170	9150	1330	752	844	1450	1300
24	480	1080	2200	4200	3720	6150	11000	1330	785	839	1250	1210
25	496	1070	2170	4100	7360	7700	12500	1240	733	950	1100	1110
26	658	1070	3280	3950	9540	8820	13600	1190	713	997	1050	1030
27	940	1120	5820	4130	11200	9570	14300	1180	691	1020	960	975
28	852	1690	6190	4260	11900	9580	14800	1160	658	980	920	957
29	747	5350	5790	3890	---	8390	15100	1140	661	1100	880	962
30	747	5850	4770	3410	---	8320	13700	1100	670	1180	860	1330
31	874	---	3700	3100	---	11900	---	1070	---	1220	810	---
TOTAL	17702	38678	107410	211300	108390	445950	365480	98420	23382	31004	45580	78394
MEAN	571	1289	3465	6816	3871	14390	12180	3175	779	1000	1470	2613
MAX	940	5850	7410	15800	11900	27300	20000	7630	1160	2060	3200	10100
MIN	468	526	1410	2440	1900	5170	3380	1070	639	599	760	660
CFSM	.21	.48	1.29	2.54	1.44	5.37	4.55	1.19	.29	.37	.55	.98
IN.	.25	.54	1.49	2.93	1.50	6.19	5.07	1.37	.32	.43	.63	1.09

CAL YR 1976 TOTAL 1384703 MEAN 3783 MAX 35000 MIN 458 CFSM 1.41 IN 19.22
WTR YR 1977 TOTAL 1571690 MEAN 4306 MAX 27300 MIN 468 CFSM 1.61 IN 21.82

PASCAGOULA RIVER BASIN

02479000 PASCAGOULA RIVER AT MERRILL, MS

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

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

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

GAGE.--Water-stage recorder. Datum of gage is 26.25 ft (8.001 m) above mean sea level. Prior to Dec. 6, 1934, nonrecording gage at same site and datum.

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

AVERAGE DISCHARGE.--47 years, 9,692 ft³/s (274.5 m³/s), 19.94 in/yr (506 mm/yr).

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 62,000 ft³/s (1,760 m³/s) Mar. 13, gage height, 23.27 ft (7.093 m); minimum, 1,320 ft³/s (37.4 m³/s) Oct. 5, 6, gage height, 3.12 ft (0.951 m).

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.28	4.71	10.36	9.85	8.31	17.48	18.69	16.30	5.16	3.70	6.70	4.28
2	3.23	4.60	8.51	7.63	8.18	17.45	19.48	12.99	5.47	3.59	7.95	4.10
3	3.19	4.33	7.56	7.30	8.17	16.81	20.01	13.22	5.30	3.56	8.92	3.91
4	3.17	4.05	6.86	8.60	9.13	16.80	20.37	13.26	5.05	3.66	9.36	3.80
5	3.14	3.83	6.22	10.43	10.50	18.62	20.76	12.31	4.93	3.62	8.90	3.79
6	3.33	3.66	5.69	10.70	10.93	19.59	21.12	12.23	4.83	3.73	8.23	9.37
7	3.44	3.53	6.36	11.67	10.40	20.38	21.25	12.51	4.64	3.78	7.76	16.30
8	3.42	3.43	9.43	12.89	9.67	21.02	21.14	12.05	4.46	3.73	7.01	16.52
9	3.71	3.36	9.53	12.26	8.96	21.55	20.80	11.18	4.32	3.67	6.36	15.46
10	3.67	3.29	8.11	13.20	8.28	22.00	20.30	10.22	4.22	4.02	5.81	14.19
11	3.55	3.26	7.18	14.95	7.76	22.29	19.05	9.22	4.13	4.30	5.45	12.86
12	3.42	3.34	9.75	15.79	7.41	22.75	17.10	8.59	4.06	5.59	5.06	11.14
13	3.31	4.20	12.98	16.11	7.17	23.18	15.32	8.48	3.99	6.16	4.82	9.54
14	3.28	4.53	13.19	16.83	7.14	23.17	13.45	8.04	3.95	6.09	4.69	8.33
15	3.27	4.86	11.79	18.58	7.79	22.99	10.69	7.48	4.01	6.27	4.46	7.64
16	3.23	5.85	10.74	19.62	8.67	22.70	9.22	7.01	4.06	7.13	4.38	7.82
17	3.51	5.96	9.79	20.23	8.86	22.22	8.67	6.69	4.30	7.17	4.28	8.47
18	3.62	5.57	8.77	20.41	8.21	21.53	8.30	6.44	4.27	6.20	4.36	8.26
19	3.43	5.21	7.90	19.99	7.49	20.37	8.04	6.24	4.24	5.34	5.26	7.74
20	3.31	4.91	7.45	18.57	7.02	18.62	8.08	6.05	4.45	4.79	6.62	7.61
21	3.31	4.75	7.32	15.64	6.74	16.26	8.52	5.84	4.41	4.55	8.41	7.87
22	3.26	4.76	7.28	12.40	6.52	13.38	11.63	5.64	4.25	4.47	7.20	7.35
23	3.22	4.80	7.15	10.48	6.55	11.20	16.24	5.58	4.17	4.37	6.51	6.84
24	3.21	4.74	6.93	9.80	9.88	10.86	18.01	5.67	4.09	4.21	6.05	6.33
25	3.26	4.61	6.92	9.69	13.00	12.00	19.39	5.51	4.08	4.10	5.70	5.81
26	3.64	4.57	8.90	9.63	14.91	13.19	20.52	5.34	3.94	4.32	5.30	5.35
27	4.01	4.78	11.55	9.70	16.06	13.25	21.41	5.33	3.90	4.62	4.90	5.02
28	4.20	5.88	12.32	9.93	17.00	12.76	21.35	5.74	3.84	4.81	4.71	4.79
29	4.06	10.19	12.00	9.79	---	13.02	20.73	5.87	3.78	5.40	4.55	4.76
30	4.12	11.69	11.28	9.18	---	13.47	19.06	5.37	3.76	5.56	4.59	5.84
31	4.62	---	10.12	8.62	---	16.77	---	5.12	---	5.53	4.44	---
MEAN	3.50	4.91	9.03	12.92	9.31	17.99	16.62	8.44	4.34	4.78	6.09	8.04
MAX	4.62	11.69	13.19	20.41	17.00	23.18	21.41	16.30	5.47	7.17	9.36	16.52

on 1090

PASCAGOULA RIVER BASIN

89

02479000 PASCAGOULA RIVER AT MERRILL, MS--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1420	2860	10800	9940	6760	28200	32600	24500	3310	1950	5150	2470
2	1390	2760	7720	6340	6570	28100	36000	16200	3630	1850	6850	2310
3	1360	2520	6250	5850	6550	25900	38400	16700	3450	1830	8370	2140
4	1350	2270	5220	7860	8070	25900	40200	16800	3200	1910	9110	2040
5	1330	2070	4410	11000	10400	32300	42200	14700	3080	1880	8360	2030
6	1450	1910	3840	11500	11200	36500	44200	14500	2980	1980	7270	10300
7	1520	1800	4670	13300	10200	40200	45000	15100	2800	2020	6550	24400
8	1500	1720	9260	16000	8960	43700	44300	14100	2630	1980	5430	25100
9	1690	1670	9400	14600	7800	46900	42400	12400	2510	1920	4580	22000
10	1670	1610	7110	16600	6720	50000	39800	10600	2420	2250	3970	18800
11	1590	1590	5670	20600	5940	52300	34200	8870	2340	2500	3600	15900
12	1500	1650	10000	22900	5430	56600	26900	7840	2270	3750	3210	12300
13	1440	2410	16200	23800	5100	61000	21600	7670	2200	4340	2970	9420
14	1420	2700	16600	26000	5060	60900	17200	6960	2180	4260	2840	7460
15	1410	3030	13600	32100	5980	58900	11500	6120	2230	4470	2630	6360
16	1390	3990	11500	36600	7350	56000	8890	5430	2270	5620	2560	6630
17	1560	4120	9880	39500	7640	51800	7970	5000	2490	5670	2470	7650
18	1630	3720	8130	40400	6630	46900	7380	4680	2460	4490	2540	7320
19	1510	3360	6750	38300	5550	40200	6960	4440	2440	3620	3420	6510
20	1440	3060	6080	32100	4910	32400	7030	4210	2630	3140	4980	6310
21	1440	2900	5880	22200	4560	24300	7750	3990	2590	2900	7570	6700
22	1410	2910	5820	14500	4290	17100	13500	3790	2450	2820	5700	5920
23	1380	2950	5630	10600	4340	12400	24300	3730	2370	2730	4760	5210
24	1380	2890	5320	9320	9830	11700	30000	3820	2300	2590	4210	4550
25	1410	2770	5310	8990	16300	14000	35600	3660	2290	2490	3850	3970
26	1700	2730	8340	8890	20500	16600	40900	3490	2170	2690	3450	3500
27	2010	2930	13100	9010	23700	16800	46000	3480	2130	3280	3050	3170
28	2210	4090	14700	9400	26500	15700	45700	3890	2080	3160	2860	2940
29	2160	10600	14000	9160	---	16200	42000	4020	2020	3750	2720	2910
30	2280	13400	12600	8150	---	17200	34200	3520	2000	3910	2750	4010
31	2780	---	10400	7250	---	25800	---	3270	---	3890	2620	---
TOTAL	49730	98990	274190	542760	252840	1062500	874680	257480	75920	95640	140400	240330
MEAN	1604	3300	8845	17510	9030	34270	29160	8306	2531	3085	4529	8011
MAX	2780	13400	16600	40400	26500	61000	46000	24500	3630	5670	9110	25100
MIN	1330	1590	3840	5850	4290	11700	6960	3270	2000	1830	2470	2030
CFSM	.24	.50	1.34	2.65	1.37	5.19	4.42	1.26	.38	.47	.69	1.21
IN.	.28	.56	1.55	3.06	1.43	5.99	4.93	1.45	.43	.54	.79	1.35
CAL YR 1976	TOTAL	3210810	MEAN	8773	MAX	76300	MIN	1330	CFSM	1.33	IN	18.10
WTR YR 1977	TOTAL	3965460	MEAN	10860	MAX	61000	MIN	1330	CFSM	1.65	IN	22.35

PASCAGOULA RIVER BASIN

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

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

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

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

PERIOD OF DAILY RECORD.--

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

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

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

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

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

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

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

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

WATER TEMPERATURE: Maximum, 31.0°C Aug. 15, 1962; minimum, 5.0°C Jan. 8, 1970.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (7UM-MF (COL./100 ML)	FECAL STREPTOCOCCI (CUL. PER 100 ML)	HARDNESS (CA, MG)
OCT										
02...	1730	1400	85	6.8	24.5	8	7.8	180	500	15
NOV										
04...	1400	2270	80	6.7	14.5	8	9.0	13	33	17
DEC										
12...	1600	11600	80	6.8	10.5	40	10.2	650	1800	24
JAN										
17...	1500	40500	60	6.8	7.5	30	10.2	600	1600	8
FEB										
21...	1030	5150	147	6.9	13.0	15	9.6	850	1900	23
MAR										
13...	1600	62000	55	5.8	15.5	40	8.9	900	2100	16
APR										
10...	1530	39900	55	5.9	18.5	30	8.0	850	1800	21
MAY										
08...	1630	13900	80	5.9	24.0	35	7.6	650	1400	17
JUN										
11...	1700	2360	295	6.1	29.5	9	6.3	320	760	18
JUL										
02...	1130	1850	165	6.0	31.0	4	6.4	260	720	16
AUG										
06...	1515	7320	60	6.9	27.5	20	6.5	240	680	13
26...	1230	3500	60	6.8	28.0	9	6.8	200	600	15

02479020 PASCAGOULA RIVER NEAR BENNDAL, MS--CONTINUED

DATE	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT 02...	1	4.0	1.1	9.3	55	1.1	1.4	16	0
NOV 04...	3	4.8	1.3	9.5	52	1.0	1.5	17	0
DEC 12...	15	5.5	2.4	7.2	38	.6	1.5	10	0
JAN 17...	3	2.4	.6	3.0	37	.4	2.0	7	0
FEB 21...	7	7.4	1.2	7.1	38	.6	1.4	20	0
MAR 13...	7	3.8	1.6	3.0	27	.3	1.3	11	0
APR 10...	8	5.0	2.0	4.6	31	.4	1.3	16	0
MAY 08...	9	4.8	1.2	4.7	35	.5	1.4	10	0
JUN 11...	1	4.9	1.4	10	52	1.0	1.4	21	0
JUL 02...	2	4.0	1.4	8.8	52	1.0	1.7	17	0
AUG 06...	3	3.8	.9	5.7	44	.7	1.8	12	0
26...	1	4.2	1.0	4.7	38	.5	1.8	16	0

DATE	ALKALINITY AS CaCO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (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)
OCT 02...	13	4.1	7.6	11	.1	10	62	53	.08
NOV 04...	14	5.4	6.4	11	.2	9.6	52	53	.07
DEC 12...	8	2.5	20	8.1	.1	8.6	68	58	.09
JAN 17...	6	1.8	6.7	5.7	.1	5.1	--	30	.04
FEB 21...	16	4.0	7.3	11	.0	11	67	56	.09
MAR 13...	9	28	5.0	6.2	.0	5.7	32	32	.04
APR 10...	13	32	4.4	5.8	.0	7.2	39	39	.05
MAY 08...	8	20	4.7	9.0	.0	8.3	66	39	.09
JUN 11...	17	27	5.7	16	.0	11	76	61	.10
JUL 02...	14	27	4.3	12	.0	11	62	53	.08
AUG 06...	10	2.4	6.0	9.0	.0	8.6	63	42	.09
26...	13	4.1	5.9	7.7	.1	9.4	54	43	.07

PASCAGOULA RIVER BASIN

02479020 PASCAGOULA RIVER NEAR BENNDAL, MS--CONTINUED

DATE	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL PHYTO- PLANK- TON (CELLS PER ML)	SUS- PENDE SEDIM- ENT (MG/L)	SUS- PENDE SEDIM- ENT DIS- CHARGE (T/DAY)
OCT									
02...	234	.30	.27	.57	2.5	.14	440	8	30
NOV									
04...	319	.22	.23	.45	2.0	.08	220	17	104
DEC									
12...	2130	.12	.59	.71	3.1	.07	700	260	8140
JAN									
17...	3280	.10	.58	.68	3.0	.07	880	170	18600
FEB									
21...	932	.17	.67	.84	3.7	.10	3100	52	723
MAR									
13...	5360	.03	.61	.64	2.8	.12	--	252	42200
APR									
10...	4200	.10	1.1	1.2	5.3	.08	--	88	9480
MAY									
08...	2480	.18	1.1	1.3	5.7	.06	1500	--	--
JUN									
11...	484	.10	1.0	1.1	4.9	.08	74000	--	--
JUL									
02...	310	.32	.54	.86	3.8	.06	1700	--	--
AUG									
06...	1250	.27	1.4	1.7	7.4	.13	1100	197	3890
26...	510	.30	1.0	1.3	5.8	.06	400	104	983

DATE	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDE CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)	SUS- PENDE COBALT (CO) (UG/L)
OCT											
02...	1	0	1	0	0	0	20	13	7	1	1
JAN											
17...	2	0	2	1	1	0	<10	<9	1	0	0
APR											
10...	1	0	1	0	0	0	<10	<8	2	0	0
JUL											
02...	--	--	2	6	0	6	<10	<7	3	0	0

DATE	DIS- SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDE COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDE LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE MAN- GANESE (MN) (UG/L)
OCT											
02...	0	4	4	0	940	980	0	0	0	50	0
JAN											
17...	0	3	0	5	1600	410	4	0	4	160	20
APR											
10...	0	4	0	4	1700	360	10	10	0	60	40
JUL											
02...	0	27	8	19	1000	820	26	7	19	100	0

DATE	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDE ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT											
02...	50	.5	.5	.0	--	--	0	30	0	30	4.0
JAN											
17...	140	.1	.0	.1	0	0	0	10	0	10	9.4
APR											
10...	20	.0	.0	.0	0	0	0	50	0	50	--
JUL											
02...	100	--	--	.2	--	--	0	600	120	480	--

PHYTOPLANKTON ANALYSES, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE TIME	OCT 2,76 1730	NOV 4,76 1400	DEC 12,76 1600	JAN 17,77 1500	FEB 21,77 1030	
TOTAL CELLS/ML	440	220	700	880	3100	
DIVERSITY: DIVISION	1.7	1.4	1.3	1.4	1.5	
..CLASS	1.7	1.4	1.3	1.4	1.5	
..ORDER	2.0	1.4	1.9	1.9	1.8	
...FAMILY	2.7	2.8	2.9	2.4	2.8	
....GENUS	3.0	3.0	3.1	2.7	3.6	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)						
..CHLOROPHYCEAE						
...CHLOROCOCCALES						
....CHARACIACEAE						
.....SCHROEDERIA	--	-	* 0	--	-	--
.....COELASTRACEAE						
.....COELASTRUM	--	-	--	-	--	-
.....MIRACTINIACEAE						
.....GOLENKINIA	--	-	7 3	--	-	45 1
.....MIRACTINIUM	--	-	--	-	--	-
.....OOCYSTACEAE						240 8
.....ANKISTRODESMUS	29 7		7 3	--	-	110 13
.....CHODATELLA	--	-	--	-	--	-
.....DICTYOSPHAERIUM	--	-	28 13	--	-	22 1
.....KIRCHNERIELLA	--	-	--	-	110 13	620# 20
.....OOCYSTIS	--	-	--	-	--	-
.....SELENASTRUM	44 10		--	-	--	-
...SCENEDESMACEAE						
....ACTINASTRUM	--	-	--	-	--	-
....CRUCIGENIA	--	-	--	-	--	-
...SCENEDESMUS	59 13		55# 25	67 10	130 14	180 6
...TETRASTRUM	--	-	--	-	--	-
..VOLVOCALES						
...CHLAMYDOMONADACEAE						
....CHLAMYDOMONAS	15 3		--	-	--	-
..ZYGNEMATALES						
...DESMIDIACEAE						
....CLOSTERIUM	--	-	--	-	--	-
CHRYSOPHYTA						
..BACILLARIOPHYCEAE						
...CENTRALES						
....COSCINODISACEAE						
.....CYCLOTELLA	15 3		--	-	22 3	--
.....MELOSIRA	--	-	* 0	89 13	--	-
...PENNALES						
....ACHNANTHACEAE						
.....COCCONEIS	--	-	--	-	22 3	--
....CYMBELLACEAE						
.....CYMBELLA	--	-	21 9	--	-	--
.....EPITHEMIA	15 3		--	-	--	-
.....RHOPALODIA	--	-	--	-	--	-
...EUNOTIACEAE						
....EUNOTIA	--	-	--	-	--	-
...FRAGILARIACEAE						
....FRAGILARIA	--	-	--	-	33 5	--
....SYNEDRA	29 7		7 3	11 2	--	-
...GOMPHONEMACEAE						
....GOMPHONEMA	--	-	7 3	11 2	11 1	* 0
...MERIDIONACEAE						
....MERIDION	--	-	--	-	--	-
...NAVICULACEAE						
....GYROSIGMA	* 0		--	-	11 1	--
....NAVICULA	88# 20		55# 25	140# 21	23 3	* 0
...PINNULARIA	--	-	--	-	--	-
...STAURONEIS	15 3		--	-	--	-
...NITZSCHACEAE						
....NITZSCHIA	--	-	7 3	100 14	46 5	300 10
...SURIPELLACEAE						
....SURIPELLA	--	-	7 3	--	-	--
...TABELLARIACEAE						
....TABELLARIA	--	-	--	-	--	-
..CHRYSOPHYCEAE						
...CHRYSOMONADALES						
....CHROMULINACEAE						
.....CHRYSOCOCCUS	--	-	--	-	--	-
...XANTHOPHYCEAE						
....HETEROCOCCALES						
...CHLOROTHECIACEAE						
....OPHIOCYTIUM	--	-	--	-	--	-

PASCAGOULA RIVER BASIN

02479020 PASCAGOULA RIVER NEAR BENNDAL, MS--CONTINUED

PHYTOPLANKTON ANALYSES, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE TIME	OCT 2,76 1730	NOV 4,76 1400	DEC 12,76 1600	JAN 17,77 1500	FEB 21,77 1030	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CYANOPHYTA (BLUE-GREEN ALGAE)						
..CYANOPHYCEAE						
...CHROCCOCCALES						
...CHROCCOCCAEAE						
....AGMENELLUM	120#	27	--	-	--	-
....ANACYSTIS	*	0	--	-	210#	23
..HORMOGONALES						
..NOSTOCACEAE						
....ANABAENA	*	0	--	-	--	-
....APHANIZOMENON	--	-	21	9	--	-
..OSCILLATORIAEAE						
....OSCILLATORIA	--	-	--	-	--	-
....SPIRULINA	--	-	--	-	230#	26
..RIVULARIACEAE					--	-
....RAPHIDIOPSIS	--	-	--	-		
..CHROCCOCCALES			11	2	--	-
..CHROCCOCCAEAE						
....GOMPHOSPHAERIA	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)						
..CRYPTOPHYCEAE						
..CRYPTOMONIDALES						
...CRYPTOMONODACEAE						
....CRYPTOMONAS	--	-	--	-	--	-
..EUGLENOPHYCEAE						
..EUGLENALES						
....ASTASIACEAE						
....ASTASIA	--	-	--	-	--	-
..EUGLENAEAE						
....EUGLENA	15	3	--	-	--	-
....TRACHELOMONAS	--	-	--	-	--	-

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

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

DATE TIME	MAY 3,77 1630	JUN 11,77 1700	JUL 2,77 1130	AUG 6,77 1515	AUG 26,77 1230
TOTAL CELLS/ML	1500	74000	1700	1100	400
DIVERSITY: DIVISION	1.4	0.7	1.0	0.8	1.1
..CLASS	1.4	0.7	1.1	0.9	1.1
..ORDER	1.5	0.7	1.7	1.3	1.1
..FAMILY	2.5	1.0	1.9	1.4	2.1
..GENUS	2.7	2.0	3.0	1.4	2.1

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)										
..CHLOROPHYCEAE										
..CHLOROCOCCALES										
..CHARACIACEAE										
....SCHROEDERIA	--	--	--	--	*	0	--	--	--	--
..COELASTRACEAE										
....COELASTRUM	--	--	1900	3	--	--	--	--	45	11
..MICRACTINIACEAE										
....GOLENKINIA	--	--	--	--	--	--	--	--	--	--
..MICRACTINIUM										
....MICRACTINIUM	100	7	*	0	48	3	--	--	--	--
..OOCYSTACEAE										
....ANKISTRODESMUS	29	2	*	0	12	1	15	1	--	--
....CHODATELLA	--	--	--	--	--	--	--	--	--	--
..DICTYOSPHAERIUM			3200	4	--	--	--	--	--	--
..KIRCHNERIELLA			1100	1	12	1	--	--	--	--
..OOCYSTIS	29	2	1400	2	--	--	--	--	--	--
..SELENASTRUM	--	--	--	--	--	--	--	--	--	--
..SCENEDESMACEAE										
....ACTINASTRUM	59	4	--	--	42	2	--	--	--	--
..CRUCIGENIA	--	--	2800	4	--	--	--	--	--	--
..SCENEDESMUS	240#	16	1400	2	120	7	100	9	67#	17
..TETRASTRUM	--	--	470	1	--	--	--	--	--	--
..VOLVOCALES										
..CHLAMYDOMONADACEAE										
..CHLAMYDOMONAS	--	--	--	--	*	0	--	--	--	--
..ZYGNEMATALES										
..DESMIDIACEAE										
....CLOSTERIUM	--	--	--	--	*	0	--	--	--	--

02479020 PASCAGOULA RIVER NEAR BENNDALE, MS--CONTINUED

PHYTOPLANKTON ANALYSES, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE TIME	MAY 3.77 1630		JUN 11.77 1700		JUL 2.77 1130		AUG 6.77 1515		AUG 26.77 1230	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHRYSTOPHYTA										
..BACILLARIOPHYCEAE										
...CENTRALES										
...COSCINODISCACEAE										
...CYCLOTELLA	*	0	*	0	--	-	7	1	--	-
...MELOSIRA	29	2	--	-	--	-	--	-	--	-
..PENNALES										
...ACHNANTHACEAE										
...COCONEIS	--	-	--	-	--	-	--	-	6	1
...CYMBELLACEAE										
...CYMBELLA	22	1	*	0	--	-	--	-	--	-
...EPITHEMIA	--	-	--	-	--	-	--	-	--	-
...RHOPALODIA	--	-	--	-	--	-	45	4	--	-
...EUNOTIACEAE										
...EUNOTIA	--	-	--	-	--	-	--	-	--	-
...FRAGILARIACEAE										
...FRAGILARIA	--	-	--	-	--	-	--	-	--	-
...SYNEDRA	*	0	--	-	18	1	--	-	--	-
...GOMPHONEMACEAE										
...GOMPHONEMA	--	-	--	-	--	-	--	-	--	-
...MERIDIONACEAE										
...MERIDION	--	-	--	-	--	-	--	-	--	-
...NAVICULACEAE										
...GYROSIGMA	--	-	--	-	--	-	--	-	--	-
...NAVICULA	37	2	--	-	30	2	--	-	17	4
...PINNULARIA	--	-	--	-	--	-	--	-	--	-
...STAURONEIS	--	-	--	-	*	0	--	-	--	-
...NITZSCHACEAE										
...NITZSCHIA	88	6	--	-	--	-	22	2	--	-
...SURIPELLACEAE										
...SURIPELLA	--	-	--	-	--	-	--	-	--	-
...TABELLARIACEAE										
...TABELLARIA	--	-	--	-	--	-	--	-	--	-
..CHRYSTOPHYCEAE										
...CHRYSONOMADALES										
...CHROMULINACEAE										
...CHRYSOCCOCCUS	--	-	*	0	--	-	--	-	--	-
..XANTHOPHYCEAE										
...HETEROCOCCALES										
...CHLOROTHECIACEAE										
...OPHIOCYTIUM	--	-	--	-	24	1	7	1	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)										
..CYANOPHYCEAE										
...CHROCCOCCALES										
...CHROCCOCCACEAE										
...AGMENELLUM	--	-	25000#	34	440#	26	--	-	--	-
...ANACYSTIS	--	-	36000#	49	350#	20	100	9	--	-
...HORMOGONALES										
...NOSTOCACEAE										
...ANABAENA	--	-	--	-	--	-	--	-	--	-
...APHANIZOMENON	200	13	--	-	--	-	--	-	100#	25
...OSCILLATORIA	620#	42	--	-	290#	17	840#	73	--	-
...SPIRULINA	--	-	--	-	--	-	--	-	--	-
...RIVULARIACEAE										
...RAPHIDIOPSIS	--	-	--	-	--	-	--	-	160#	41
...CHROCCOCCALES										
...CHROCCOCCACEAE										
...GOMPHOSPHAERIA	--	-	--	-	250	15	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)										
..CRYPTOPHYCEAE										
...CRYPTOMONADALES										
...CRYPTOMONADACEAE										
...CRYPTOMONAS	--	-	--	-	12	1	--	-	--	-
..EUGLENOPHYCEAE										
...EUGLENALES										
...ASTASIACEAE										
...ASTASIA	--	-	--	-	--	-	--	-	--	-
...EUGLENACEAE										
...EUGLENA	--	-	--	-	*	0	--	-	--	-
...TRACHELOMONAS	*	0	--	-	18	1	--	-	--	-

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

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

PASCAGOULA RIVER BASIN

02479020 PASCAGOULA RIVER NEAR BENNDALE, MS--CONTINUED

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	86	83	85	74	67	71	62	53	58	---	---	---
2	85	81	83	81	72	77	80	61	69	---	---	---
3	82	81	81	79	71	77	92	80	87	---	---	---
4	85	81	83	78	70	74	93	92	92	---	---	---
5	84	81	83	76	75	75	95	91	93	---	---	---
6	86	80	83	88	77	84	96	90	92	---	---	---
7	79	77	78	96	88	93	97	87	92	---	---	---
8	77	75	76	96	90	94	87	61	67	---	---	---
9	76	73	75	98	91	95	66	59	63	---	---	---
10	79	73	77	99	93	96	68	59	62	---	---	---
11	78	73	75	93	87	91	78	69	75	---	---	---
12	78	73	76	89	85	87	79	65	75	---	---	---
13	77	75	76	87	84	86	67	53	61	---	---	---
14	83	75	79	84	79	81	60	53	56	---	---	---
15	90	84	87	80	79	79	71	61	67	---	---	---
16	89	88	89	79	79	79	75	71	73	---	---	---
17	88	81	84	80	78	79	81	73	77	---	---	---
18	81	79	80	79	76	78	83	80	82	57	56	57
19	79	77	77	83	78	80	85	82	83	60	55	58
20	77	75	75	83	82	83	86	83	85	65	60	62
21	76	71	74	83	81	83	---	---	---	68	62	64
22	78	73	75	83	81	82	---	---	---	68	64	66
23	83	76	78	83	75	80	---	---	---	76	68	72
24	88	82	84	85	77	82	---	---	---	79	77	79
25	94	85	88	85	82	84	---	---	---	81	79	80
26	88	85	86	91	84	89	---	---	---	80	78	78
27	88	83	86	97	91	95	---	---	---	81	78	80
28	88	87	87	96	92	94	---	---	---	87	82	84
29	91	88	89	91	57	65	---	---	---	86	84	85
30	94	68	82	60	53	57	---	---	---	85	84	84
31	77	68	73	---	---	---	---	---	---	88	84	86
FEBRUARY			MARCH			APRIL			MAY			
1	92	88	89	---	---	---	50	50	50	57	50	55
2	93	91	92	---	---	---	50	50	50	65	50	57
3	96	93	95	---	---	---	50	50	50	64	52	57
4	97	89	94	---	---	---	50	50	50	78	65	73
5	89	81	83	---	---	---	50	50	50	69	60	63
6	80	77	78	---	---	---	50	50	50	---	---	---
7	86	78	83	---	---	---	50	50	50	---	---	---
8	89	86	88	---	---	---	52	50	50	62	59	60
9	91	89	90	---	---	---	53	50	52	61	58	60
10	92	89	91	---	---	---	55	50	52	66	60	63
11	96	91	94	---	---	---	54	51	53	74	67	70
12	102	96	99	---	---	---	56	52	54	121	68	99
13	---	---	---	---	---	---	61	55	58	---	---	---
14	116	107	112	---	---	---	65	60	63	---	---	---
15	130	118	124	---	---	---	72	64	68	---	---	---
16	147	130	138	---	---	---	77	72	75	---	---	---
17	148	134	141	---	---	---	76	74	75	---	---	---
18	134	116	125	---	---	---	77	74	76	---	---	---
19	---	---	---	---	---	---	77	74	75	---	---	---
20	---	---	---	---	---	---	76	72	74	---	---	---
21	148	141	144	---	---	---	74	67	70	---	---	---
22	---	---	---	---	---	---	67	50	59	---	---	---
23	---	---	---	---	---	---	50	50	50	---	---	---
24	---	---	---	---	---	---	50	50	50	---	---	---
25	---	---	---	74	66	72	50	50	50	---	---	---
26	---	---	---	65	54	58	50	50	50	---	---	---
27	---	---	---	56	53	54	50	50	50	---	---	---
28	---	---	---	56	52	54	50	50	50	---	---	---
29	---	---	---	60	53	55	50	50	50	---	---	---
30	---	---	---	61	57	59	50	50	50	---	---	---
31	---	---	---	55	50	50	---	---	---	---	---	---

02479020 PASCAGOULA RIVER NEAR BENNDAL, MS--CONTINUED

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1				---	---	---	122	101	105	71	67	69
2				175	173	174	272	138	232	75	70	73
3				180	173	177	272	56	221	77	74	76
4				184	178	181	61	55	60	80	77	79
5				184	178	181	61	54	57	82	75	80
6				185	178	181	57	54	55	71	50	55
7				185	183	184	56	53	55	50	50	50
8				185	183	184	62	56	59	50	50	50
9				185	183	184	68	61	64	58	50	51
10				185	179	184	67	64	66	62	55	59
11				185	183	184	68	66	67	58	56	56
12				185	179	183	71	67	69	59	56	57
13				185	178	183	75	70	72	61	59	60
14				185	152	175	79	74	77	59	55	57
15				175	169	171	82	78	80	59	57	58
16				175	110	153	84	82	83	61	58	60
17				110	88	99	86	83	85	59	51	55
18				98	93	94	87	85	86	60	51	54
19				101	96	99	86	74	80	66	61	64
20				102	98	101	74	65	70	71	66	69
21				102	98	101	69	60	64	84	69	76
22				102	98	101	59	53	54	89	81	86
23				102	98	101	65	54	59	80	73	75
24				107	101	103	63	60	62	76	72	74
25				108	104	106	60	59	60	79	75	78
26				108	101	105	61	58	60	86	79	82
27				105	101	103	64	61	62	88	84	86
28				105	101	103	66	64	65	87	85	86
29				105	101	103	68	64	66	88	84	85
30				105	101	102	67	66	67	88	85	87
31				105	101	103	67	65	66	---	---	---

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	24.5	22.5	23.5	15.0	14.0	14.5	9.0	8.5	8.5	---	---	---
2	24.0	22.0	23.0	14.5	13.0	14.0	8.5	8.0	8.0	---	---	---
3	24.5	22.0	23.5	14.5	13.0	14.0	8.0	7.5	8.0	---	---	---
4	24.5	22.5	23.5	14.5	13.0	13.5	8.0	7.0	8.0	---	---	---
5	24.5	22.5	23.5	13.5	12.5	13.0	8.5	7.0	8.0	---	---	---
6	24.0	22.0	23.0	13.0	12.0	12.5	8.5	8.0	8.0	---	---	---
7	22.0	20.5	21.5	13.5	12.0	12.5	9.0	8.5	9.0	---	---	---
8	20.5	18.5	19.5	13.0	12.0	12.5	9.5	8.5	9.0	---	---	---
9	19.0	17.5	18.5	12.5	11.0	12.0	9.0	8.5	8.5	---	---	---
10	19.0	17.0	18.0	13.0	11.5	12.5	8.5	8.0	8.5	---	---	---
11	19.5	17.5	18.5	14.0	12.5	13.5	9.0	8.5	9.0	---	---	---
12	20.0	18.0	19.0	14.0	12.5	13.0	10.5	10.0	9.5	---	---	---
13	20.0	18.0	19.0	12.5	11.5	12.0	11.0	10.5	11.0	---	---	---
14	20.5	18.0	19.5	12.0	10.5	11.0	11.0	10.5	10.5	---	---	---
15	21.0	18.5	20.0	10.5	10.0	10.5	10.5	10.0	10.5	---	---	---
16	20.0	19.0	19.5	10.0	10.0	10.0	11.0	10.5	10.5	---	---	---
17	19.0	18.0	18.5	10.0	9.5	10.0	11.0	10.0	10.5	---	---	---
18	18.0	17.0	17.5	11.0	9.5	10.0	11.0	10.0	10.5	8.0	6.5	7.0
19	18.5	17.0	17.5	11.0	10.5	11.0	10.5	10.5	10.5	6.5	5.5	6.0
20	18.5	17.0	18.0	12.0	11.0	11.5	11.0	10.5	10.5	6.0	5.5	5.5
21	17.0	16.0	16.5	13.0	12.0	12.5	---	---	---	6.0	5.5	5.5
22	17.0	15.0	16.0	12.5	11.0	12.0	---	---	---	7.0	5.5	6.0
23	17.0	15.0	16.5	11.0	10.0	10.5	---	---	---	7.5	6.5	7.0
24	17.5	16.0	17.0	10.5	9.5	10.0	---	---	---	8.0	7.0	7.5
25	18.5	17.0	17.5	11.0	9.5	10.0	---	---	---	8.5	8.0	8.0
26	18.0	17.0	17.5	11.0	10.5	11.0	---	---	---	8.5	8.0	8.0
27	17.0	15.5	16.5	12.0	11.0	12.0	---	---	---	9.5	8.0	9.0
28	16.0	14.5	15.0	13.0	12.0	12.5	---	---	---	11.0	9.0	10.0
29	15.0	14.0	14.5	12.5	10.5	11.5	---	---	---	10.5	9.5	10.0
30	16.0	14.0	15.0	10.5	9.0	10.0	---	---	---	10.0	8.5	9.0
31	15.5	14.5	15.0	---	---	---	---	---	---	9.5	8.5	9.0

02479020 PASCAGOULA RIVER NEAR BENNDAL, MS--CONTINUED

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

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

02479130 BLACK CREEK NEAR BROOKLYN, MS

LOCATION.--Lat 31°03'06", long 89°12'16", in NW¼NE¼ sec.16, T.1 N., R.12 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 0317007, at bridge on U.S. Highway 49, 1.1 mi (1.8 km) southwest of Brooklyn, and 4.5 mi (7.2 km) upstream from Chaney Creek.

DRAINAGE AREA.--361 mi² (935 km²).

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1954-57, 1959, 1964-66. October 1970 to current year.

REVISED RECORDS.--WRD Miss. 1971: Drainage area.

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

REMARKS.--Records fair. No gage-height record Feb. 16 to Mar. 28.

AVERAGE DISCHARGE.--7 years, 716 ft³/s (20.28 m³/s), 26.93 in/yr (684 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,500 ft³/s (581 m³/s) Apr. 14, 1974, gage height, 25.32 ft (7.718 m) from floodmark; minimum, 80 ft³/s (2.27 m³/s), Aug. 26, 27, 28, 1976; minimum gage height, 3.62 ft (1.103 m) Aug. 27, 1976.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Feb. 18, 1961, reached a stage of 25.70 ft (7.833 m), discharge, 21,500 ft³/s (609 m³/s).

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 3,500 ft³/s (99 ft³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Jan. 14	1600	3700	105	13.08	3.987	Sept. 6	Unknown	3600	102	^a 12.87	3.923
Apr. 23	1000	*8320	236	19.73	6.014						

^a From floodmark.

Minimum discharge, 82 ft³/s (2.32 m³/s) Oct. 15, 16, gage height, 3.65 ft (1.113 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	102	408	865	392	566	660	1290	448	250	98	353	200
2	95	294	640	359	544	560	930	432	500	107	290	153
3	90	222	464	665	770	800	716	673	350	143	302	130
4	87	185	362	871	1200	1600	567	613	220	127	302	200
5	84	180	316	755	912	3200	803	551	180	108	269	700
6	84	166	296	746	726	2100	755	462	155	141	253	3200
7	89	156	1820	1620	589	1200	589	372	140	195	200	1000
8	96	150	1440	1160	500	960	457	327	130	152	168	600
9	98	143	947	1300	446	850	357	343	122	267	167	450
10	102	140	711	1900	419	760	295	374	116	358	143	520
11	94	142	944	1190	395	1500	261	348	112	385	159	400
12	89	274	1810	896	384	2900	241	293	108	627	209	450
13	85	429	1410	768	380	1900	222	253	105	505	221	340
14	84	557	1160	2800	370	1400	207	226	106	321	183	362
15	83	938	1090	2860	365	1000	198	213	110	302	164	592
16	84	650	907	2010	360	800	191	200	113	691	135	950
17	113	510	675	1520	355	680	184	187	113	651	121	727
18	124	422	540	1210	350	600	199	176	109	488	403	627
19	110	315	458	968	345	550	339	169	170	265	647	454
20	131	293	538	731	340	500	361	161	270	204	821	365
21	144	319	640	623	335	470	1310	152	407	276	602	338
22	121	297	541	566	390	435	4780	140	236	348	499	274
23	110	267	467	524	1300	400	7820	135	159	276	380	217
24	105	231	407	639	700	450	5150	130	122	186	321	188
25	328	207	722	638	600	480	2540	127	106	143	285	165
26	365	204	1680	552	1300	430	1480	125	95	256	181	150
27	252	242	1110	653	1400	500	1050	123	89	324	165	140
28	198	1460	841	595	900	580	776	121	87	491	167	164
29	159	1780	676	506	---	730	656	120	89	631	221	900
30	678	1160	555	456	---	1210	540	121	100	546	329	938
31	633	---	451	476	---	2010	---	130	---	408	262	---
TOTAL	5017	12741	25483	30949	17241	32215	35264	8245	4969	10020	8922	15894
MEAN	162	425	822	998	616	1039	1175	266	166	323	288	530
MAX	678	1780	1820	2860	1400	3200	7820	673	500	691	821	3200
MIN	83	140	296	359	335	400	184	120	87	98	121	130
CFSM	.45	1.18	2.28	2.77	1.71	2.88	3.26	.74	.46	.90	.80	1.47
IN.	.52	1.31	2.63	3.19	1.78	3.32	3.63	.85	.51	1.03	.92	1.64

CAL YR 1976	TOTAL	160124	MEAN	437	MAX	3260	MIN	80	CFSM	1.21	IN	16.50
WTR YR 1977	TOTAL	206960	MEAN	567	MAX	7820	MIN	83	CFSM	1.57	IN	21.33

PASCAGOULA RIVER BASIN

02479155 CYPRESS CREEK NEAR JANICE, MS
(Hydrologic bench-mark station)

LOCATION.--Lat 31°01'30", long 89°01'00", in NW¼NE¼ sec.29, T.1 N., R.10 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170007, on right bank at downstream side of bridge on State Highway 29, 1.2 mi (1.9 km) east of Janice, and 5.5 mi (8.8 km) upstream from mouth.

DRAINAGE AREA.--52.2 mi² (135 km²).

WATER-DISCHARGE RECORDS

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

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

REMARKS.--Records good.

AVERAGE DISCHARGE.--11 years, 91.0 ft³/s (2.577 m³/s), 23.67 in/yr (601 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,720 ft³/s (219 m³/s) Apr. 13, 1969, gage height, 26.01 ft (7.928 m); minimum, 4.5 ft³/s (0.13 m³/s) Sept. 2, 3, 1968.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 1, 1959, reached a stage of 32.06 ft (9.772 m), discharge, 22,800 ft³/s (646 m³/s).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,200 ft³/s (34 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 14	0800	1330	38	Mar. 31	0930	*2610	74
Mar. 4	1430	1960	56	Sept. 7	Unknown	1920	54
							19.51
							5.947
							16.96
							5.169

^a From floodmark.

Minimum discharge, 8.7 ft³/s (0.25 m³/s) Oct. 15, 16, gage height, 5.60 ft (1.707 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	38	105	50	103	102	501	31	31	12	213	26
2	10	24	77	47	87	76	222	389	30	12	93	22
3	9.4	19	61	120	221	65	159	658	21	12	132	20
4	9.2	17	51	148	185	1560	137	288	17	12	142	22
5	10	15	44	92	105	566	220	126	16	11	114	63
6	20	15	43	100	79	429	128	83	15	11	172	520
7	15	15	397	308	67	268	93	61	14	11	82	1600
8	13	13	296	155	60	158	77	50	13	10	35	450
9	11	13	113	214	55	122	66	67	12	10	22	200
10	11	14	80	454	50	113	56	58	12	35	21	84
11	10	14	138	185	49	111	50	38	12	38	22	110
12	10	60	365	115	48	714	45	33	11	43	34	78
13	9.3	61	255	96	45	626	42	30	12	26	35	110
14	9.0	63	149	955	42	198	39	27	12	21	28	95
15	8.7	130	159	524	40	139	37	25	13	113	23	76
16	9.8	72	133	191	38	118	36	24	15	80	24	155
17	41	41	90	134	37	99	34	22	13	42	18	129
18	30	31	69	115	37	89	33	20	12	23	41	80
19	19	27	58	100	37	79	47	19	12	17	225	60
20	15	34	93	91	36	68	78	17	46	15	139	87
21	13	37	107	85	34	59	210	16	25	78	59	54
22	12	29	71	77	33	57	802	16	18	35	33	38
23	12	24	58	71	75	50	313	19	14	19	26	32
24	11	22	51	115	337	47	117	20	28	15	31	29
25	16	20	145	124	156	64	84	17	30	15	34	27
26	22	32	393	86	79	56	63	16	16	24	28	26
27	18	83	164	88	309	49	49	16	13	21	23	24
28	15	575	100	87	212	105	41	15	12	20	25	24
29	13	626	79	66	---	166	37	15	14	27	32	27
30	119	197	63	59	---	761	34	14	14	28	45	29
31	91	---	57	83	---	2160	---	14	---	81	35	---
TOTAL	623.4	2361	4064	5135	2656	9274	3850	2244	523	917	1986	4297
MEAN	20.1	78.7	131	166	94.9	299	128	72.4	17.4	29.6	64.1	143
MAX	119	626	397	955	337	2160	802	658	46	113	225	1600
MIN	8.7	13	43	47	33	47	33	14	11	10	18	20
CFSM	.39	1.51	2.51	3.18	1.82	5.73	2.45	1.39	.33	.57	1.23	2.74
IN.	.44	1.68	2.90	3.66	1.89	6.61	2.74	1.60	.37	.65	1.42	3.06

CAL YR 1976	TOTAL	25769.8	MEAN	70.4	MAX	775	MIN	8.2	CFSM	1.35	IN	18.36
WTR YR 1977	TOTAL	37930.4	MEAN	104	MAX	2160	MIN	8.7	CFSM	1.99	IN	27.03

02479155 CYPRESS CREEK NEAR JANICE, MS--Continued
(Hydrologic bench-mark station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1967 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	FECAL STREPTOCOCCI (COL. PER 100 ML)
OCT 02...	1600	10	23	6.8	24.0	8.0	420	120	--
NOV 04...	1100	17	23	6.6	11.5	10.8	--	--	--
DEC 12...	1730	381	35	6.7	10.5	10.6	2300	550	1600
JAN 17...	1330	136	20	6.8	6.0	10.6	--	--	--
FEB 21...	0900	33	26	6.8	8.5	10.7	2100	500	1450
MAR 13...	1445	467	20	5.8	16.0	9.8	--	--	--
APR 10...	1430	64	25	5.9	19.0	8.8	1600	300	--
MAY 08...	1520	56	25	5.9	--	7.9	--	--	--
JUN 11...	1600	12	28	5.9	27.5	7.0	350	75	--
JUL 02...	1030	12	28	6.1	25.5	6.8	--	--	--
AUG 06...	1645	196	25	6.5	24.5	7.8	250	50	--
26...	1445	27	26	6.6	25.0	7.8	--	--	--

DATE	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)
OCT 02...	4	0	1.4	.2	2.0	47	.4	.4	7	0	6
DEC 12...	12	10	3.2	1.0	5.5	46	.7	1.5	3	0	2
FEB 21...	3	0	.9	.3	1.8	50	.4	.3	6	0	5
APR 10...	190	180	--	--	--	5	.1	--	8	0	7
JUN 11...	3	0	.7	.4	2.2	54	.5	.5	6	0	5
AUG 06...	5	1	1.2	.6	2.0	42	.4	.5	5	0	4

DATE	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED SILICA (SiO2) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	DISSOLVED SOLIDS (TONS PER DAY)	TOTAL NITRATE PLUS NITRITE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
OCT 02...	2.5	3.2	.1	11	34	24	.05	.92	.05	.01
DEC 12...	4.8	3.0	.2	8.0	40	29	.05	41.1	.05	.05
FEB 21...	2.5	2.9	.0	10	34	22	.05	3.03	.02	.01
APR 10...	2.6	3.3	.0	9.4	34	100	.05	5.88	.05	.01
JUN 11...	1.6	8.7	.0	9.4	38	26	.05	1.23	.07	.01
AUG 06...	4.7	3.4	.0	10	53	25	.07	28.0	.01	.04

PASCAGOULA RIVER BASIN

02479155 CYPRESS CREEK NEAR JANICE, MS--CONTINUED

DATE	TOTAL FILT- RABLE RESIDUE (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL BARIUM (BA) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)
OCT 02...	32	2	1	0	0	20	4	320
APR 10...	--	--	0	0	0	<10	0	410

DATE	TOTAL LEAD (PB) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	TOTAL SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)	CYANIDE (CN) (MG/L)
OCT 02...	2	20	.3	0	0	10	--
APR 10...	4	40	.0	0	0	50	.00

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS- SOLVED GROSS ALPHA AS U-NAT. (UG/L)	SUS- PENDED GROSS ALPHA AS U-NAT. (UG/L)	DIS- SOLVED GROSS BETA AS CS-137 (PC/L)	SUS- PENDED GROSS BETA AS CS-137 (PC/L)	DIS- SOLVED GROSS BETA AS AS SR90 /Y90 (PC/L)	SUS- PENDED GROSS BETA AS AS SR90 /Y90 (PC/L)	DIS- SOLVED RA-226 (RADON METHOD) (PC/L)	DIS- SOLVED URANIUM (U) (UG/L)
OCT 02...	.7	<.4	.9	<.4	.8	<.4	.04	.10

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)
OCT 02...	.0	0	.00	.00	.0	.0	0	.00	.0	.00	.0	.00

DATE	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (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)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)
OCT 02...	.0	.00	.00	.0	.00	.0	.00	.00	.0	.00	.0	.00

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

02479155 CYPRESS CREEK NEAR JANICE, MS--CONTINUED
 WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	SUS- PENDED SEDIMENT (MG/L)	SUS- PENDED SEDIMENT DIS- CHARGE (T/DAY)
OCT				
02...	1600	10	16	.43
30...	0900	137	158	58
NOV				
04...	1100	17	10	.46
14...	1200	53	16	2.3
28...	0945	727	318	624
28...	1200	746	228	459
28...	1600	742	264	529
28...	1800	832	235	528
28...	2200	867	197	472
29...	0700	756	132	269
29...	1300	566	85	130
DEC				
12...	1145	377	62	63
12...	1730	381	52	53
JAN				
17...	1330	136	14	5.1
FEB				
21...	0900	33	7	.62
MAR				
12...	0805	574	318	493
12...	0900	736	394	783
12...	1000	845	314	716
12...	1315	908	223	547
12...	1730	993	256	686
12...	2130	1280	257	888
13...	0615	841	168	381
13...	1445	467	120	151
APR				
10...	1430	64	5	.86
AUG				
06...	1645	196	58	31
26...	1445	27	50	3.6

PASCAGOULA RIVER BASIN

02479160 BLACK CREEK NEAR WIGGINS, MS

LOCATION.--Lat 30°51'12", long 88°54'49", in SW¼ sec.20, T.2 S., R.9 W., St. Stephens Meridian, Stone County, Hydrologic Unit 03170007, on left bank on downstream side of bridge on State Highway 26, 1.7 mi (2.7 km) downstream from Flat Branch, 8.6 mi (13.8 km) upstream from Sweetwater Creek, and 13.4 mi (21.6 km) east of Wiggins.

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

PERIOD OF RECORD.--Occasional discharge measurements, water years 1956-57, 1959-60. October 1971 to current year.

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

REMARKS.--Records good.

AVERAGE DISCHARGE--6 years, 1479 ft³/s (41.88 m³/s), 27.51 in/yr (699 mm/yr).

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

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood (believed to be that of July 1916) reached a stage of 30.5 ft or 9.39 m, from Mississippi State Highway Department plans. The flood of June 3, 1959, reached a stage of 23.88 ft (7.888 m), and the flood of Feb. 19, 1961, 25.85 ft (7.873 m) from floodmarks; discharge, about 25,000 ft³/s (736 m³/s), based on peak data at sites upstream and downstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 7,000 ft³/s (198 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Jan. 16	0230	7170	203	18.30	5.578	Apr. 1	1100	*9620	272	20.92	6.376
Mar. 6	1100	7850	222	19.06	5.809	Apr. 25	1230	8820	250	20.12	6.133

Minimum discharge, 173 ft³/s (4.90 m³/s), Oct. 5, 16, and June 28, gage height, 4.26 ft (1.298 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	245	1000	1900	865	1220	1890	9320	889	362	227	1430	609
2	211	627	1350	782	1270	1400	6040	1450	588	195	1200	450
3	194	481	1060	1020	1240	1150	2450	4380	612	199	951	367
4	184	396	845	1620	2210	3190	1720	2890	483	265	1530	450
5	176	342	718	1520	2180	6770	1700	1630	372	229	1360	1400
6	276	327	650	1270	1630	7720	1790	1240	313	205	1170	4920
7	316	311	1630	2160	1350	6340	1460	997	278	225	966	6480
8	241	300	3750	2690	1190	3820	1220	850	252	271	578	4350
9	224	291	2390	1880	1080	2440	1030	777	240	269	436	1740
10	212	285	1460	3510	1000	1940	889	775	230	604	385	1400
11	207	283	1260	3660	951	1710	788	729	221	765	372	1750
12	196	320	2520	1960	913	3680	719	675	216	1020	447	1290
13	187	639	3480	1540	897	6280	670	617	209	1170	541	1780
14	180	736	2470	3620	874	5990	625	560	206	776	534	1700
15	176	1170	1940	6590	839	3270	589	518	205	744	411	1450
16	178	1430	1900	6690	810	2100	562	487	217	917	377	2560
17	329	970	1520	3930	779	1660	537	460	217	1220	348	3060
18	379	773	1190	2340	754	1410	517	435	210	906	474	1900
19	302	650	1000	1890	742	1260	561	414	206	622	1070	1370
20	253	570	967	1600	730	1140	1150	395	227	413	1440	1400
21	245	573	1230	1370	715	1080	1430	377	379	385	1440	1120
22	263	564	1150	1250	694	1060	4170	363	434	477	1060	884
23	241	507	974	1160	845	912	6670	369	316	469	826	733
24	222	456	874	1190	2790	834	8010	362	252	385	730	640
25	220	413	861	1510	2070	856	8680	359	275	305	844	580
26	537	403	2630	1320	1430	918	6360	357	227	269	668	530
27	587	567	3050	1200	2220	857	2310	345	192	575	578	488
28	416	1500	1780	1350	2960	924	1520	329	182	752	620	476
29	340	4690	1390	1190	---	1610	1220	321	212	1030	679	583
30	507	4210	1150	1040	---	2010	1060	306	235	1200	1070	1280
31	1440	---	990	1030	---	6980	---	292	---	892	880	---
TOTAL	9684	25784	50079	64747	36383	83201	75767	24948	8568	17981	25415	47740
MEAN	312	859	1615	2089	1299	2684	2526	805	286	580	820	1591
MAX	1440	4690	3750	6690	2960	7720	9320	4380	612	1220	1530	6480
MIN	176	283	650	782	694	834	517	292	182	195	348	367
CFSM	.43	1.18	2.21	2.86	1.78	3.68	3.46	1.10	.39	.80	1.12	2.18
IN.	.49	1.31	2.55	3.30	1.85	4.24	3.86	1.27	.44	.92	1.30	2.43
CAL YR 1976	TOTAL	322791	MEAN	882	MAX	5270	MIN	166	CFSM	1.21	IN	16.45
WTR YR 1977	TOTAL	470297	MEAN	1288	MAX	9320	MIN	176	CFSM	1.76	IN	23.97

02479300 RED CREEK AT VESTRY, MS

LOCATION.--Lat 30°44'10", long 88°46'50", in SW¼SW¼ sec.34, T.3 S., R.8 W., St. Stephens Meridian, George County, Hydrologic Unit 03170007, near center of channel on downstream side of bridge on county highway, 0.5 mi (0.8 km) north of Vestry, and 1.1 mi (1.8 km) upstream from Little Red Creek.

DRAINAGE AREA.--416 mi² (1,077 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 20.10 ft (6.126 m) above mean sea level.

REMARKS.--Records good except those for periods of no gage-height record, May 4 to June 20, which are poor.

AVERAGE DISCHARGE.--19 years, 840 ft³/s (23.79 m³/s), 27.42 in/yr (696 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21,500 ft³/s (609 m³/s) Dec. 12, 1961; maximum gage height, 18.78 ft (5.724 m) Apr. 28, 1964; minimum discharge, 88 ft³/s (2.49 m³/s) Oct. 22, 1963, gage height, 3.22 ft (0.981 m).

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

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)				
Jan. 16	2000	4590	130	13.93	4.246	Apr. 2	1630	*6540	185	14.58	4.444
Mar. 14	0200	5850	166	14.35	4.374						

Minimum discharge, 141 ft³/s (3.99 m³/s) Oct. 5, 6, gage height, 3.96 ft (1.207 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	164	962	2830	670	896	1740	3720	526	250	156	608	796
2	156	737	1600	580	929	1120	6120	676	350	158	684	610
3	152	555	1030	700	886	850	5550	2570	500	235	870	480
4	146	413	773	1100	1190	1460	3180	1800	400	270	1270	407
5	142	345	659	1010	1290	2740	1640	1300	350	232	1830	472
6	544	311	595	864	1090	3440	1330	1000	320	208	1010	2610
7	810	283	1100	979	907	3340	1090	900	300	186	854	3300
8	431	263	1840	1140	746	2810	918	800	280	176	604	2400
9	293	245	1710	1030	662	1750	798	700	260	178	456	1300
10	236	238	1260	1290	612	1200	712	600	250	260	516	1200
11	204	233	1190	1590	576	1050	644	560	240	640	466	1500
12	184	237	1450	1220	546	1980	576	560	235	832	530	1100
13	173	268	1850	996	528	4830	532	520	228	736	524	1400
14	164	363	1650	1830	514	5550	498	480	223	548	566	1600
15	158	442	1380	3340	490	3620	470	440	215	498	464	1300
16	158	517	1290	4320	466	1870	452	420	205	506	450	1600
17	361	554	1080	3630	445	1240	432	380	195	504	494	1800
18	566	527	887	2000	434	997	412	350	190	450	716	1400
19	412	434	754	1280	425	892	430	330	185	350	1240	1100
20	333	452	772	987	418	885	648	315	180	290	1260	1200
21	277	483	906	874	407	774	1110	300	193	290	1130	980
22	244	424	839	809	394	1170	2800	285	184	320	1120	840
23	229	370	740	757	421	969	3780	270	181	350	1050	730
24	218	330	660	755	1690	728	3720	255	177	300	1380	660
25	212	304	640	822	2530	706	3030	250	169	250	1350	600
26	211	349	1500	810	1530	742	1720	245	162	220	967	560
27	268	771	1700	863	1500	716	984	240	155	229	770	530
28	324	1660	1400	1050	2200	756	756	235	149	347	830	500
29	283	2970	1100	935	---	1060	654	230	162	448	1080	600
30	627	3490	900	784	---	1140	582	230	171	887	1120	1200
31	1090	---	700	752	---	2070	---	225	---	796	1010	---
TOTAL	9779	19530	36785	39767	24722	54205	49288	17992	7059	11850	27219	34775
MEAN	315	651	1187	1283	883	1749	1643	580	235	382	878	1159
MAX	1090	3490	2830	4320	2530	5550	6120	2570	500	887	1830	3300
MIN	142	233	595	580	394	706	412	225	149	156	450	407
CFSM	.76	1.57	2.85	3.08	2.12	4.20	3.95	1.39	.57	.92	2.11	2.79
IN.	.87	1.75	3.29	3.56	2.21	4.85	4.41	1.61	.63	1.06	2.43	3.11

CAL YR 1976	TOTAL	245449	MEAN	671	MAX	4020	MIN	142	CFSM	1.61	IN	21.95
WTR YR 1977	TOTAL	332971	MEAN	912	MAX	6120	MIN	142	CFSM	2.19	IN	29.78

PASCAGOULA RIVER BASIN

02479560 ESCATAWPA RIVER NEAR AGRICOLA, MS

LOCATION.--Lat 30°48'32", long 88°27'41", in SW¼ sec.2, T.3 S., R.5 W., George County, Hydrologic Unit 03170008, near left bank on downstream side of bridge on county road 612, 6.7 mi (10.8 km) west of Wilmer, AL, 2.5 mi (4.0 km) west of Alabama-Mississippi State line, 3.7 mi (6.0 km) east of Agricola, MS, and 4.8 mi (7.7 km) below old gage at Escatawpa River near Wilmer, AL.

DRAINAGE AREA.--556 mi² (1,440 km²).

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

GAGE.--Water-stage recorder. Altitude of gage is 50 ft (15 m) from topographic map.

REMARKS.--Water-discharge record good.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1929 reached a stage of 72.0 ft (21.9 m) +1.0 ft (0.3 m), datum of 1929, as determined from historical data. Peak discharge of this flood is unknown but in all probability has not been exceeded since 1929.

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

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Mar. 15	2000	6190	175	15.64	4.767	Apr. 1	1000
						*7860	223
						*16.53	5.038

Minimum discharge, 149 ft³/s (4.22 m³/s) July 2.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	170	687	3730	924	828	3500	7640	415	451	157	854	389
2	170	517	2410	806	848	2940	6210	910	563	162	834	311
3	160	397	1760	1010	884	2170	4700	4300	445	266	728	261
4	160	321	1430	1430	1150	2480	3300	4560	337	239	697	245
5	160	283	1150	1520	1230	4110	2540	3140	261	203	1080	305
6	240	255	918	1390	1160	4640	2110	1820	225	201	1100	1880
7	400	234	1170	1740	1010	4650	1550	1230	207	182	932	4040
8	300	221	1780	1990	882	4440	1220	940	187	206	742	4260
9	230	210	1740	1860	781	3630	1020	1270	179	239	617	4010
10	190	206	1450	2180	700	2500	868	1120	173	283	483	3030
11	170	204	1590	2320	627	2180	740	868	169	231	433	1980
12	160	209	2200	2140	573	2480	642	682	164	227	441	1410
13	150	228	2240	1850	547	4670	575	563	159	248	405	1930
14	150	275	2310	2860	523	5520	529	489	161	233	339	1900
15	160	431	2310	4510	499	6060	497	439	161	270	279	1900
16	180	590	2210	4310	477	5600	469	413	168	569	291	1870
17	300	690	1950	3650	459	3830	445	395	281	632	481	2190
18	350	690	1660	2930	449	2180	423	367	264	409	337	2090
19	250	590	1300	2210	441	1550	413	343	203	299	433	1950
20	210	620	1170	1610	429	1550	439	315	371	327	610	1420
21	180	605	1150	1270	415	1290	459	283	377	347	672	1120
22	170	551	1030	1100	413	1840	770	267	263	311	742	898
23	170	489	924	966	415	2020	1870	285	196	245	935	758
24	170	433	826	929	1170	1320	1860	281	283	206	929	625
25	170	387	826	1030	3310	1020	1490	260	252	197	901	515
26	170	391	1540	1080	3590	884	1370	258	218	200	859	453
27	170	667	1680	1090	2800	798	1160	258	182	509	647	407
28	170	2230	1460	1050	3260	932	938	377	162	529	553	371
29	178	4490	1270	924	---	2290	702	329	158	377	459	439
30	419	4650	1150	823	---	2700	509	263	165	409	439	485
31	957	---	1040	786	---	5210	---	238	---	473	409	---
TOTAL	7184	22751	49374	54288	29870	90984	47458	27678	7385	9386	19661	43442
MEAN	232	758	1593	1751	1067	2935	1582	893	246	303	634	1448
MAX	957	4650	3730	4510	3590	6060	7640	4560	563	632	1100	4260
MIN	150	204	826	786	413	798	413	238	158	157	279	245
CFSM	.46	1.50	3.15	3.46	2.11	5.80	3.13	1.77	.49	.60	1.25	2.86
IN.	.53	1.67	3.63	3.99	2.20	6.69	3.49	2.03	.54	.69	1.45	3.19

CAL YR 1976	TOTAL	293724	MEAN	803	MAX	4650	MIN	140	CFSM	1.59	IN	21.59
WTR YR 1977	TOTAL	409461	MEAN	1122	MAX	7640	MIN	150	CFSM	2.22	IN	30.10

02480250 BLUFF CREEK NEAR VANCELEAVE, MS

LOCATION.--Lat 30°32'52", long 88°42'56", in SE¼ sec.6, T.6 S., R.7 W., St. Stephens Meridian, Jackson County, Hydrologic Unit 03170006, on right bank of stream, 0.1 mi (0.2 km) upstream from home of Grace Retreat, 2.1 mi (3.4 km) northwest of Vanceleave.

DRAINAGE AREA.--52 mi² (135 km²).

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

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

REMARKS.--Records fair except those for periods of no gage-height record, June 11 to Sept. 6, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,160 ft³/s (118 m³/s) July 31, 1975, gage height, 20.71 ft (6.312 m); minimum, 13 ft³/s (0.37 m³/s) June 11, 12 1977, gage height, 4.12 ft (1.260).

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

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Nov. 29	0600	1660	47.0	13.66	4.164	Sept. 6	---	*3130	88.6	18.95	5.776
Jan. 14	2315	1610	45.6	13.45	4.100	Sept. 16	2245	1460	41.3	12.85	3.917
Mar. 31	2330	1380	39.1	12.50	3.810						

^a From floodmark.

Minimum discharge 13 ft³/s (0.37 m³/s) June 11-12, gage height 4.12 ft (1.260 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	132	236	78	181	95	898	32	47	24	68	90
2	27	69	152	80	150	68	329	47	62	20	58	72
3	22	51	119	203	181	58	186	254	43	18	52	60
4	18	41	100	242	300	138	141	350	30	14	210	54
5	16	36	86	147	216	326	165	113	24	50	150	50
6	162	33	76	120	141	219	153	64	22	40	106	2000
7	120	30	144	175	114	184	101	49	21	32	86	900
8	76	29	212	170	98	128	82	39	19	29	68	398
9	60	27	127	126	88	95	71	35	18	26	54	198
10	50	26	93	132	80	83	62	30	15	80	64	150
11	43	26	276	126	73	78	54	28	13	160	54	140
12	33	31	524	98	66	157	50	27	13	92	58	200
13	25	31	331	86	65	515	46	26	16	78	52	350
14	20	33	234	884	58	213	42	24	17	64	74	837
15	17	43	237	924	55	126	41	24	20	56	56	457
16	60	48	236	308	51	103	37	22	18	58	52	598
17	114	47	157	188	49	92	35	21	17	62	50	744
18	100	52	118	147	47	79	37	20	16	50	48	305
19	85	55	97	127	47	70	37	19	16	38	210	215
20	66	85	120	110	44	86	36	19	15	33	160	160
21	52	103	169	100	42	106	38	19	47	32	130	124
22	43	76	133	90	41	107	112	19	35	31	110	97
23	35	56	105	82	43	99	365	22	28	48	92	80
24	30	46	91	96	83	75	151	29	25	42	240	69
25	26	40	117	113	118	73	76	25	19	40	130	62
26	24	44	326	96	73	80	55	23	17	38	100	56
27	22	102	279	162	86	68	43	23	16	35	88	51
28	20	687	134	248	155	120	38	64	18	34	86	48
29	19	1420	117	156	---	270	35	88	30	34	82	129
30	168	578	98	109	---	195	32	56	35	104	150	104
31	383	---	87	133	---	767	---	38	---	80	106	---
TOTAL	1970	4077	5331	5856	2745	4873	3548	1649	732	1542	3044	8798
MEAN	63.5	136	172	189	98.0	157	118	53.2	24.4	49.7	98.2	293
MAX	383	1420	524	924	300	767	898	350	62	160	240	2000
MIN	16	26	76	78	41	58	32	19	13	14	48	48
CFSM	1.22	2.62	3.31	3.64	1.89	3.02	2.27	1.02	.47	.96	1.89	5.64
IN.	1.41	2.92	3.81	4.19	1.96	3.49	2.54	1.18	.52	1.10	2.18	6.29
CAL YR 1976	TOTAL	38927	MEAN 106	MAX 1470	MIN 16	CFSM 2.04	IN 27.85					
WTR YR 1977	TOTAL	44165	MEAN 121	MAX 2000	MIN 13	CFSM 2.33	IN 31.59					

BILOXI RIVER BASIN

02481000 BILOXI RIVER AT WORTHAM, MS

LOCATION.--Lat 30°33'30", long 89°07'20", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.31, T.5 S., R.11 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, on downstream side of right main pier of upstream bridge of dual bridges on U.S. Highway 49, 0.8 mi (1.3 km) east of Wortham, 1 mi (1.6 km) downstream from Illinois Central Railroad bridge, 1 mi (1.6 km) upstream from Saucier Creek, and 4.2 mi (6.8 km) north of Lyman.

DRAINAGE AREA.--96.1 mi² (248.9 km²).

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

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

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

REMARKS.--Records good except those for periods of no gage-height record, May 17 to June 15, which are fair.

AVERAGE DISCHARGE.--25 years, 182 ft³/s (5.154 m³/s), 25.72 in/yr (653 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,420 ft³/s (238 m³/s) Apr. 27, 1964; maximum gage height, 21.08 ft (6.425 m) Sept. 18, 1957; minimum discharge, 1.1 ft³/s (0.031 m³/s) Oct. 21, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1948 reached a stage of 23.3 ft (7.10 m), from information by Mississippi State Highway Department. Floods in 1916 and 1928 reached approximately the same stage and were at least 8.5 ft (2.59 m) higher than that of Sept. 18, 1957, at a point about 1 mi (1.6 km) upstream, from information by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 2,000 ft³/s (57 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Oct. 6	1000	2570	72.8	Apr. 21	1215	2300	65.1
Nov. 29	0415	2350	66.6	(a)	---	3000	85.0
Jan. 14	1400	2040	57.8	Sept. 15	2330	3100	87.8
Mar. 12	1445	*5130	145.0				11.76
			16.12				3.584

^a Probably occurred May 2.

Minimum discharge, 6.4 ft³/s (0.181 m³/s) part of each day June 26-30, gage height, 0.04 ft (0.012 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	206	535	127	318	338	897	300	80	8.5	30	152
2	15	126	296	135	220	200	552	2100	45	10	93	99
3	12	92	218	440	362	161	300	1000	30	25	191	66
4	9-0	73	177	340	557	909	222	450	24	103	173	59
5	8-6	58	148	220	344	938	244	350	20	92	230	159
6	1480	47	132	179	218	883	191	250	18	42	114	868
7	344	41	601	318	171	581	134	180	16	25	108	799
8	148	36	598	236	145	344	106	150	15	20	242	436
9	97	33	346	195	130	232	89	120	14	14	87	195
10	67	31	206	278	119	222	76	96	13	12	72	368
11	48	30	290	215	108	204	64	78	12	12	252	402
12	36	41	541	157	102	3500	56	72	11	15	195	262
13	30	63	535	137	100	1810	50	75	10	20	97	486
14	25	72	398	1400	92	811	45	61	9-6	22	60	912
15	22	116	392	1080	81	400	40	47	9-2	22	58	1310
16	23	97	344	761	73	310	37	40	8-8	57	137	2010
17	404	86	234	344	68	240	35	35	8-5	114	177	1030
18	168	110	177	246	64	200	36	32	8-2	66	491	561
19	102	86	146	198	63	179	86	30	7-9	38	360	360
20	69	153	250	171	61	164	126	28	7-6	31	168	258
21	49	162	330	155	57	193	1540	27	7-6	126	105	166
22	37	114	200	140	54	563	1350	26	7-3	134	111	126
23	31	80	157	127	228	228	852	33	7-3	69	87	97
24	26	63	135	173	909	155	424	28	7-0	37	288	81
25	25	55	266	195	623	215	200	25	8-5	24	256	69
26	25	97	820	145	298	188	145	22	7-0	22	153	60
27	23	629	515	266	775	143	110	20	6-7	16	105	52
28	21	1630	290	342	543	195	100	19	7-3	87	328	44
29	21	1960	206	209	---	314	90	18	6-7	44	631	70
30	1150	1040	162	152	---	290	80	18	6-4	29	428	142
31	488	---	143	292	---	1020	---	120	---	24	246	---
TOTAL	5023.6	7427	9788	9373	6883	16130	8277	5850	439.6	1360.5	6073	11699
MEAN	162	248	316	302	246	520	276	189	14.7	43.9	196	390
MAX	1480	1960	820	1400	909	3500	1540	2100	80	134	631	2010
MIN	8-6	30	132	127	54	143	35	18	6-4	8-5	30	44
CFSM	1.69	2.58	3.29	3.14	2.56	5.41	2.87	1.97	.15	.46	2.04	4.06
IN	1.94	2.87	3.79	3.63	2.66	6.24	3.20	2.26	.17	.53	2.35	4.53

CAL YR 1976 TOTAL 53464.2 MEAN 146 MAX 2100 MIN 2.6 CFSM 1.52 IN 20.70
WTR YR 1977 TOTAL 88323.7 MEAN 242 MAX 3500 MIN 6.4 CFSM 2.52 IN 34.19

02481510 WOLF RIVER NEAR LONDON, MS

LOCATION.--Lat 30°29'00", long 89°16'28", in NE¼ sec.34, T.6 S., R.13 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, on left bank at downstream side of bridge on county highway, 0.3 mi (0.5 km) downstream from Sandy Creek, 1.3 mi (2.1 km) upstream from Pole Branch, and 11 mi (17.7 km) northwest of London.

DRAINAGE AREA.--308 mi² (798 km²).

PERIOD OF RECORD.--August 1971 to current year. Occasional discharge measurements, water years 1964-66.

GAGE.--Water-stage recorder. Datum of gage is 21.34 ft (6.504 m) above mean sea level.

REMARKS.--Records fair except those for periods of no gage-height record, Feb. 23 to Mar. 29 and Apr. 4 to May 10, which are poor.

AVERAGE DISCHARGE.--6 years, 697 ft³/s (19.74 m³/s), 30.73 in/yr (781 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 13,200 ft³/s (374 m³/s) Mar. 24 or 25, 1973, gage height, 16.5 ft (5.03 m) from reconstructed graph; minimum, 44 ft³/s (1.25 m³/s) Oct. 18-22, 1972; minimum gage height, 1.32 ft (0.402 m) July 21, 1973.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 27, 1964, reached a stage of 21.06 ft (6.419 m). The flood of 1920 reached a stage about 5 ft (1.5 m) higher than that of April 1964, from information by local resident.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 15	1730	5100	144	Sept. 15	2300	8010	227
Mar. 13	Unknown	*8040	228				10.57 3.222

^a From floodmark.

Minimum daily discharge, 45 ft³/s (1.27 m³/s) Oct. 16.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	772	1560	444	697	1000	3860	200	209	61	247	571
2	56	381	930	385	837	700	2440	190	364	61	360	403
3	54	244	661	473	710	500	1350	500	319	77	1190	282
4	52	182	487	892	943	400	1000	2000	185	115	937	234
5	50	145	398	837	1540	800	700	1500	101	115	609	268
6	178	124	355	621	1170	2000	800	600	90	89	343	1920
7	173	111	849	592	831	1500	700	300	80	82	212	3470
8	102	107	2020	843	650	1000	600	250	70	75	166	1830
9	90	102	1470	777	523	800	500	350	64	68	140	899
10	76	100	930	710	449	700	400	300	60	78	188	874
11	68	100	766	1260	407	600	330	250	70	105	513	1480
12	60	120	1120	1000	372	500	280	224	90	158	523	1160
13	54	160	1500	685	355	7000	260	212	80	215	335	2180
14	50	180	1230	697	343	4000	240	200	74	174	257	2580
15	46	500	1060	4150	327	2000	220	179	68	177	221	3930
16	45	400	1100	3610	296	1000	210	163	66	185	203	5200
17	164	320	868	1970	268	800	200	153	64	234	166	3720
18	218	282	632	1340	257	600	190	140	62	227	323	2080
19	153	224	497	956	254	500	180	133	60	171	976	1210
20	111	250	453	728	247	450	180	126	60	177	1010	861
21	91	268	697	598	237	600	200	122	58	197	1060	673
22	78	247	667	533	227	1500	350	117	56	174	1180	523
23	75	197	492	482	180	1200	2500	117	54	163	969	416
24	75	163	416	444	700	700	1500	163	64	138	1600	351
25	77	143	368	507	1500	500	800	148	59	113	1370	312
26	87	174	1330	554	1000	450	500	126	56	99	825	278
27	150	661	2120	497	700	600	350	115	56	95	789	250
28	138	1850	1370	728	1500	500	250	111	67	188	801	237
29	109	3870	943	930	---	600	230	109	77	174	937	549
30	598	2780	722	679	---	747	210	107	64	166	855	592
31	1240	---	544	507	---	2290	---	105	---	188	716	---
TOTAL	4576	15157	28555	29429	17520	36537	21530	9310	2847	4339	20021	39333
MEAN	148	505	921	949	626	1179	718	300	94.9	140	646	1311
MAX	1240	3870	2120	4150	1540	7000	3860	2000	364	234	1600	5200
MIN	45	100	355	385	180	400	180	105	54	61	140	234
CFSM	.48	1.64	2.99	3.08	2.03	3.83	2.33	.97	.31	.46	2.10	4.26
IN.	.55	1.83	3.45	3.55	2.12	4.41	2.60	1.12	.34	.52	2.42	4.75
CAL YR 1976	TOTAL	123979	MEAN	339	MAX	3870	MIN	45	CFSM	1.10	IN	14.97
WTR YR 1977	TOTAL	229154	MEAN	628	MAX	7000	MIN	45	CFSM	2.04	IN	27.68

PEARL RIVER BASIN

02482000 PEARL RIVER AT EDINBURG, MS

LOCATION.--Lat 32°47'55", long 89°21'10", in SW¼SW¼ sec.13, T.11 N., R.9 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, on right bank 20 ft (6 m) downstream from bridge on State Highway 16 at Edinburg, 1,100 ft (335 m) downstream from Hooper Mill Creek, 3 mi (5 km) upstream from Rice Creek and at mile 387.5 (623.5 km).

DRAINAGE AREA.--898 mi² (2,326 km²).

PERIOD OF RECORD.--August 1928 to current year. Daily mean gage heights published since January 1972. Gage-height records collected in same vicinity since 1908 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1504: 1929-30, 1933.

GAGE.--Water-stage recorder. Datum of gage is 341.67 ft (104.141 m) above mean sea level. Prior to July 2, 1930, nonrecording gage at site 500 ft (152 m) upstream at datum 0.12 ft (0.037 m) higher. July 2, 1930, to Sept. 20, 1938, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--49 years, 1,110 ft³/s (31.44 m³/s), 16.79 in/yr (426 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 31,400 ft³/s (889 m³/s) Mar. 8, 1935; maximum gage height, 26.72 ft (8.144 m) Apr. 15, 1974; minimum discharge, 1.7 ft³/s (0.048 m³/s) Oct. 5, 1954, gage height, 1.02 ft (0.311 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood in March 1902 reached a stage of 29.0 ft (8.84 m), from reports of National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 26,700 ft³/s (756 m³/s) Apr. 6, gage height, 26.51 ft (8.080 m); minimum, 21 ft³/s (0.59 m³/s) July 7, gage height, 2.19 ft (0.668 m).

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.50	3.44	---	15.08	10.08	14.29	12.35	10.42	4.38	2.42	7.11	2.65
2	2.42	---	---	13.96	9.85	14.39	13.98	9.05	4.90	2.41	6.73	2.59
3	2.37	---	---	12.77	9.49	15.43	18.02	8.15	4.55	2.33	6.74	2.57
4	2.32	---	---	12.01	9.10	19.10	20.31	8.25	4.10	2.30	7.01	2.47
5	2.28	---	---	11.36	8.63	20.31	24.15	7.39	3.76	2.24	7.28	2.39
6	6.44	---	---	10.75	8.12	22.31	26.32	6.80	3.53	2.24	7.29	3.27
7	5.45	---	7.61	10.82	7.70	23.76	26.21	6.23	3.38	2.26	6.84	5.98
8	4.82	---	7.27	10.42	7.39	23.78	25.08	5.81	3.26	2.27	5.88	7.68
9	4.44	---	6.75	14.50	7.14	22.75	23.41	5.80	3.14	2.38	4.89	9.17
10	4.12	---	6.51	18.13	6.93	21.42	21.52	5.64	3.03	2.63	4.26	10.21
11	3.89	---	6.40	18.87	6.73	20.15	19.77	5.26	2.95	2.84	3.84	14.28
12	3.65	3.86	7.39	21.24	7.48	20.58	17.90	4.96	2.86	3.43	3.54	16.54
13	3.47	3.78	8.82	22.79	8.39	20.63	15.44	4.73	2.79	4.02	3.34	16.50
14	3.32	4.16	8.87	22.83	8.80	21.19	12.90	4.49	3.15	4.21	3.17	16.05
15	3.17	4.82	8.95	22.00	8.53	22.33	11.04	4.32	3.33	4.17	3.00	14.64
16	3.03	4.78	---	20.98	8.15	22.38	9.70	4.16	3.48	4.18	2.88	13.69
17	2.94	4.60	---	19.84	7.96	21.33	8.47	4.00	3.39	4.23	2.87	12.34
18	2.84	4.40	---	18.64	7.89	19.98	7.41	3.93	3.50	4.89	3.11	10.99
19	2.74	4.29	---	17.62	7.80	18.46	6.76	3.75	3.16	5.53	3.57	9.94
20	2.65	4.43	9.49	16.50	7.59	16.63	6.36	3.60	3.02	5.78	4.17	9.68
21	2.63	4.97	9.69	15.26	7.29	14.47	6.69	3.49	3.15	5.75	4.26	8.84
22	2.60	4.79	9.30	13.94	6.92	12.75	11.61	3.38	3.06	5.80	3.86	8.21
23	2.54	4.44	8.72	12.70	6.50	12.43	13.77	3.33	2.93	6.09	3.50	7.72
24	2.52	4.23	8.15	12.65	7.39	11.71	15.89	3.36	2.83	5.79	3.26	7.16
25	2.92	4.07	10.31	12.39	8.86	10.39	15.50	3.28	2.76	5.02	3.06	7.81
26	3.12	3.97	13.34	12.05	9.62	9.40	15.85	3.30	2.67	5.36	2.93	7.77
27	3.04	3.99	13.34	11.47	13.42	8.89	16.33	3.30	2.59	5.08	2.91	8.05
28	2.84	4.63	13.54	10.98	13.59	10.43	15.46	3.43	2.53	5.98	2.88	7.63
29	2.70	6.99	13.30	10.60	---	11.54	13.77	3.71	2.47	5.67	2.83	7.78
30	3.22	---	14.28	10.32	---	11.87	11.92	3.65	2.44	6.47	2.79	7.55
31	3.61	---	15.30	10.18	---	11.28	---	3.67	---	6.92	2.73	---
MEAN	3.25	---	---	14.96	8.48	16.98	15.46	4.99	3.24	4.22	4.28	8.74
MAX	6.44	---	---	22.83	13.59	23.78	26.32	10.42	4.90	6.92	7.29	16.54
MIN	2.28	---	---	10.18	6.59	8.89	6.36	3.28	2.44	2.24	2.73	2.39

02482000 PEARL RIVER AT EDINBURG, MS--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	106	380	2740	1170	2420	1780	1250	162	29	520	56
2	25	91	340	2280	1110	2460	2300	924	215	28	457	53
3	25	81	340	1880	1030	2880	4070	723	178	25	460	52
4	25	75	330	1670	934	4680	5700	747	136	24	502	47
5	25	70	320	1480	829	5490	12000	572	108	23	550	43
6	452	66	350	1330	716	7680	24900	470	91	22	552	118
7	278	63	660	1350	630	10100	23700	382	82	23	479	393
8	205	61	592	1250	570	10200	15300	323	74	23	343	710
9	167	59	500	2640	525	8250	9510	322	67	27	222	1040
10	138	58	458	4080	489	6530	6680	300	61	37	160	1300
11	119	70	439	4530	457	5370	5100	254	55	48	126	2610
12	101	139	616	6370	596	5730	3980	221	51	82	105	3510
13	88	131	915	8290	776	5760	2890	196	47	126	93	3500
14	79	166	924	8360	866	6280	1930	172	68	142	83	3330
15	70	234	939	7240	807	7640	1400	156	77	140	75	2780
16	62	231	800	6080	723	7690	1080	141	86	141	70	2400
17	56	210	660	5120	682	6420	796	128	81	146	69	1940
18	51	189	630	4400	668	5260	576	122	88	212	83	1550
19	46	178	600	3820	650	4280	463	108	67	287	116	1290
20	42	192	1060	3300	608	3360	400	97	58	319	169	1240
21	41	250	1100	2810	552	2490	468	89	66	315	177	1040
22	39	231	1010	2280	487	1880	1550	83	60	322	140	899
23	37	193	868	1860	434	1780	2230	80	53	368	110	796
24	36	171	741	1850	570	1580	3060	82	48	325	93	680
25	60	156	1320	1770	884	1250	2900	77	44	227	80	831
26	76	148	2070	1670	1060	1010	3040	78	39	266	73	824
27	75	149	2060	1510	2080	886	3230	78	36	239	71	892
28	67	221	2130	1390	2140	1270	2890	86	33	350	70	809
29	59	543	2050	1290	---	1530	2210	105	31	305	67	844
30	92	420	2420	1230	---	1620	1640	101	29	416	64	800
31	119	---	2820	1190	---	1460	---	102	---	487	61	---
TOTAL	2781	4952	30462	97060	23043	135236	147773	8569	2291	5524	6240	36377
MEAN	89.7	165	983	3131	823	4362	4926	276	76.4	178	201	1213
MAX	452	543	2820	8360	2140	10200	24900	1250	215	487	552	3510
MIN	25	58	320	1190	434	886	400	77	29	22	61	43
CFSM	.10	.18	1.10	3.49	.92	4.86	5.49	.31	.09	.20	.22	1.35
IN.	.12	.21	1.26	4.02	.95	5.60	6.12	.35	.09	.23	.26	1.51
CAL YR 1976	TOTAL	500933	MEAN	1369	MAX	19300	MIN 14	CFSM 1.52	IN 20.75			
WTR YR 1977	TOTAL	500308	MEAN	1371	MAX	24900	MIN 22	CFSM 1.53	IN 20.73			

PEARL RIVER BASIN

02482550 PEARL RIVER NEAR CARTHAGE, MS

LOCATION.--Lat 32°42'25", long 89°31'35", in NE¼NE¼ sec.24, T.10 N., R.7 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, on right bank at downstream side of bridge on State Highway 35, 2.1 mi (3.4 km) south of Carthage, 4.0 mi (6.4 km) downstream from Lobutch Creek, and 10.8 mi (17.4 km) upstream from Tuscolameta Creek.

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

PERIOD OF RECORD.--September 1962 to current year. Daily mean gage heights published since October 1971.

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

REMARKS.--Records good.

AVERAGE DISCHARGE.--15 years, 1,829 ft³/s (51.80 m³/s), 18.44 in/yr (468 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 29,900 ft³/s (847 m³/s) Apr. 7, 1977, maximum gage height, 24.54 ft (7.480 m) April 16, 1974; minimum discharge, 31 ft³/s (0.88 m³/s) Oct. 30, 1963, gage height, 2.36 ft (0.719 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood in March 1902 reached a stage of about 27 ft (8¼ m); flood in 1900 reached a stage of 25.6 ft (7.80 m); flood in 1932 reached a stage of 24.3 ft (7.41 m); flood of Apr. 11, 1938, reached a stage of 23.3 ft (7.10 m), all from information by Corps of Engineers. Flood of Dec. 20, 1961, reached a stage of 25.4 ft (7.74 m), discharge, 31,900 ft³/s (903 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 29,000 ft³/s (847 m³/s) Apr. 7, gage height, 24.28 ft (7.401 m); minimum, 99 ft³/s (2.80 m³/s) July 6, gage height, 3.16 ft (0.963 m).

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.54	5.43	8.27	13.40	10.22	13.05	12.83	10.87	4.46	3.26	9.34	3.39
2	3.57	5.25	8.12	13.07	10.08	13.19	13.79	9.83	4.77	3.28	8.84	3.32
3	3.50	4.92	7.70	12.49	9.92	13.29	15.85	9.26	5.06	3.53	8.40	3.25
4	3.42	4.65	7.24	11.94	9.72	16.77	19.57	9.24	4.86	3.23	8.45	3.23
5	3.36	4.41	7.03	11.41	9.44	18.78	22.92	8.74	4.60	3.23	8.66	3.22
6	6.57	4.25	6.93	10.97	9.05	20.67	23.36	8.04	4.40	3.18	8.26	3.57
7	7.68	4.15	8.04	11.15	8.64	21.70	24.20	7.49	4.21	3.31	7.36	5.11
8	6.89	4.09	8.74	11.13	8.31	21.81	23.85	7.01	4.07	3.23	6.75	6.61
9	6.13	4.02	8.26	13.46	8.04	21.71	23.00	6.72	3.96	3.33	6.03	7.97
10	5.52	3.97	7.75	17.09	7.82	20.90	21.66	6.87	3.87	4.07	5.41	8.89
11	5.06	4.02	7.31	18.19	7.63	19.66	19.81	7.30	3.79	3.95	4.97	9.88
12	4.75	4.61	7.63	18.49	8.01	19.99	18.04	6.64	3.72	4.51	4.66	11.45
13	4.49	4.81	9.49	19.09	9.14	20.36	16.28	6.11	3.67	4.90	4.42	12.54
14	4.34	4.94	10.09	20.32	9.46	20.53	14.51	5.79	4.05	5.20	4.23	13.38
15	4.19	5.57	10.12	20.75	9.50	20.53	12.60	5.55	4.16	5.57	4.07	13.14
16	4.06	5.76	10.05	20.22	9.12	20.34	10.97	5.37	5.27	5.35	3.94	12.62
17	3.98	5.71	9.96	19.28	8.70	20.09	9.86	5.20	4.75	4.93	3.85	11.92
18	3.88	5.51	9.66	18.22	8.45	19.30	8.93	5.05	5.04	4.84	3.83	10.98
19	3.81	5.26	9.04	17.20	8.31	18.17	8.22	4.93	4.58	7.44	3.89	10.42
20	3.72	5.28	9.25	16.26	8.14	16.80	7.77	4.79	4.21	8.53	4.12	10.19
21	3.64	5.74	9.94	15.39	7.93	15.32	7.70	4.66	4.03	7.03	4.43	9.43
22	3.61	5.66	9.95	14.31	7.68	13.95	10.23	4.56	3.99	6.61	4.49	8.78
23	3.60	5.48	9.70	13.21	7.42	12.76	11.49	4.46	3.91	6.32	4.30	8.23
24	3.61	5.27	9.26	12.77	7.75	12.24	12.47	4.45	3.80	6.70	4.08	7.68
25	3.81	5.08	10.25	12.80	9.25	11.61	13.34	4.43	3.68	6.14	3.90	7.36
26	4.02	4.94	13.05	12.56	10.34	10.58	13.37	4.31	3.59	6.54	3.77	7.98
27	4.07	4.88	13.54	12.24	12.59	9.84	13.38	4.29	3.50	6.97	3.69	7.82
28	4.03	5.26	13.63	11.83	12.88	10.27	13.57	4.26	3.43	6.49	3.60	7.81
29	3.98	7.74	13.31	11.35	---	11.45	13.19	4.30	3.37	7.14	3.56	7.45
30	4.28	8.48	12.98	10.77	---	11.84	12.17	4.42	3.30	7.76	3.51	7.64
31	5.17	---	13.13	10.40	---	11.91	---	4.51	---	8.55	3.45	---
MEAN	4.40	5.17	9.66	14.57	9.06	16.43	14.96	6.11	4.14	5.33	5.23	8.18
MAX	7.68	8.48	13.63	20.75	12.88	21.81	24.20	10.87	5.27	8.55	9.34	13.38
MIN	3.36	3.97	6.93	10.40	7.42	9.84	7.70	4.26	3.30	3.18	3.45	3.22

WTR YR 1977 MEAN 8.60 MAX 24.20 MIN 3.18

PEARL RIVER BASIN

113

02482550 PEARL RIVER NEAR CARTHAGE, MS--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	143	427	1170	3490	1910	3290	3190	2190	220	108	1550	121
2	141	392	1120	3300	1850	3370	3720	1750	269	110	1370	114
3	133	333	993	2990	1780	3430	5260	1520	317	137	1220	107
4	124	289	862	2700	1700	6290	11100	1520	288	105	1230	105
5	118	250	801	2440	1590	8900	21300	1330	250	105	1310	104
6	727	227	774	2240	1440	12500	23700	1100	223	101	1170	144
7	987	213	1110	2320	1300	15300	29300	931	199	113	893	376
8	764	205	1330	2310	1190	15800	26900	799	184	105	727	694
9	576	195	1170	3710	1100	15400	21700	719	172	115	553	1080
10	445	189	1010	6550	1030	13000	15500	761	163	203	423	1390
11	357	195	879	7990	972	10400	10700	873	156	186	342	1770
12	304	281	975	8420	1100	11000	7810	694	150	269	289	2460
13	263	314	1610	9350	1480	11800	5630	560	146	329	252	3010
14	240	336	1850	11700	1600	12200	4160	486	195	385	224	3420
15	219	457	1860	12700	1610	12200	3050	431	213	455	202	3340
16	201	495	1830	11500	1470	11700	2240	392	396	413	181	3060
17	190	484	1800	9640	1320	11200	1760	357	304	336	174	2690
18	177	443	1680	8050	1230	9690	1400	326	356	319	171	2240
19	169	394	1440	6680	1190	7960	1160	301	277	1070	179	2000
20	158	400	1520	5590	1130	6210	1010	275	221	1270	209	1890
21	149	490	1790	4730	1060	4720	993	250	197	804	253	1590
22	145	474	1790	4040	987	3820	1920	233	192	692	263	1350
23	144	437	1690	3390	911	3140	2480	214	181	621	234	1160
24	145	396	1530	3140	1010	2850	2980	210	168	714	203	987
25	170	361	1980	3150	1520	2540	3450	203	153	578	180	893
26	195	336	3290	3020	1960	2060	3470	186	143	674	164	1080
27	202	326	3570	2850	3040	1750	3480	185	133	785	154	1030
28	197	400	3620	2650	3200	1940	3590	184	125	662	144	1030
29	190	1010	3440	2410	---	2470	3370	190	119	831	140	919
30	233	1240	3250	2140	---	2650	2820	209	112	1010	134	975
31	379	---	3340	1980	---	2690	---	224	---	1270	128	---
TOTAL	8585	11989	55074	157170	41680	232270	229143	19603	6222	14875	14666	41189
MEAN	277	400	1777	5070	1489	7493	7638	632	207	480	473	1373
MAX	987	1240	3620	12700	3200	15800	29300	2190	396	1270	1550	3420
MIN	118	189	774	1980	911	1750	993	184	112	101	128	104
CFSM	.21	.30	1.32	3.76	1.11	5.56	5.67	.47	.15	.36	.35	1.02
IN.	.24	.33	1.52	4.34	1.15	6.41	6.33	.54	.17	.41	.41	1.14
CAL YR 1976	TOTAL	785490	MEAN	2146	MAX	25500	MIN	80	CFSM	1.59	IN	21.69
WTR YR 1977	TOTAL	832466	MEAN	2281	MAX	29300	MIN	101	CFSM	1.69	IN	22.99

PEARL RIVER BASIN

02483000 TUSCOLAMETA CREEK AT WALNUT GROVE, MS

LOCATION.--Lat 32°35'18", long 89°27'54", in NW¼ sec.34, T.9 N., R.8 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, on left bank at downstream side of bridge on State Highway 35, over north drainage canal, 0.4 mi (0.6 km) southwest of Walnut Grove, 0.6 mi (1.0 km) upstream from Gulf, Mobile and Ohio Railroad bridge, 7.5 mi (12.1 km) upstream from junction of north and south drainage canals, and 15.5 mi (24.9 km) upstream from mouth.

DRAINAGE AREA.--411 mi² (1,064 km²), combined drainage area for all channels.

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for October to December 1938, published in WSP 1304. Daily mean gage heights published since October 1971.

REVISED RECORDS.--WSP 1002: 1943. WSP 1504: 1939-40, 1943-44 (M).

GAGE.--Water-stage recorder. Prior to June 18, 1939, nonrecording gage and June 18, 1939, to July 13, 1953, water-stage recorder and nonrecording gage, at site 0.2 mi (0.3 km) upstream at same datum. Water-stage recorder, on south canal at bridge on State Highway 35, 1 mi (2 km) south of north canal gage. Prior to Nov. 24, 1943, nonrecording gage and Nov. 24, 1943, to Oct. 21, 1959, water-stage recorder, on south canal at site 1,800 ft (549 m) downstream, at same datum. Prior to Oct. 1, 1971, at datum 10.00 ft (3.048 m) higher. Datum of gages is 322.70 ft (98.359 m) above mean sea level (levels by Corps of Engineers).

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

AVERAGE DISCHARGE.--39 years, 513 ft³/s (14.53 m³/s), 16.95 in/yr (431 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 34,600 ft³/s (980 m³/s) Jan. 7, 1950, gage height, 23.00 ft (7.010 m) north canal, site and datum then in use; maximum gage height, south canal, 21.53 ft (6.562 m) Jan. 7, 1950, site and datum then in use; minimum discharge, 2.4 ft³/s (0.068 m³/s) Oct. 2, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Prior to canalization, creek reached a stage of 24.5 ft (7.47 m), site and datum then in use, from floodmark, sometime between 1920 and 1925.

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

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Jan. 11	1530	7760	220	26.57	8.099	Mar. 14	1615	5890	167	25.95	7.910
Mar. 5	2400	10600	300	27.44	8.364	Apr. 5	2300	*14700	416	28.40	8.656

Minimum daily discharge 10 ft³/s (0.28 m³/s) July 7.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.11	11.65	12.98	12.10	12.86	20.79	20.12	11.46	12.26	---	---	9.62
2	9.99	11.17	12.28	11.87	12.90	16.26	24.98	11.28	11.69	---	---	9.61
3	9.96	10.96	11.85	13.52	12.90	15.43	25.97	12.01	11.25	---	---	9.60
4	9.99	10.98	11.53	17.50	13.20	25.40	26.28	14.77	10.80	9.74	---	9.59
5	9.98	11.04	11.43	16.71	13.38	26.80	27.36	16.38	10.37	9.70	---	9.63
6	14.49	11.07	11.44	15.41	13.10	27.20	27.70	13.67	---	9.65	---	10.38
7	13.74	11.18	12.42	16.34	12.78	26.42	26.44	12.29	---	9.63	---	14.47
8	11.96	11.28	12.90	15.67	12.46	25.95	23.86	11.71	---	9.68	---	15.42
9	10.81	11.40	12.26	21.28	12.30	23.86	16.70	11.49	---	10.16	---	13.07
10	10.44	11.51	11.86	25.23	12.16	17.39	14.08	11.35	9.84	10.35	---	11.97
11	10.26	11.63	11.76	26.37	12.05	15.34	13.30	11.13	9.98	10.83	---	11.17
12	10.15	11.88	13.47	26.15	13.74	23.83	12.81	10.95	9.90	10.82	---	10.71
13	10.06	12.18	15.18	23.89	17.45	25.41	12.48	10.83	9.90	10.26	---	11.18
14	10.02	12.06	14.57	21.22	16.90	25.89	12.26	10.70	10.20	10.03	---	12.52
15	9.99	12.79	13.47	21.77	15.14	26.89	12.04	10.60	10.90	9.89	---	12.05
16	9.99	12.62	12.85	20.63	13.60	17.70	11.83	10.53	10.50	9.83	9.81	12.30
17	10.04	12.26	12.33	17.86	12.90	14.41	11.68	10.45	10.38	11.13	9.88	11.87
18	10.31	12.08	11.95	14.84	12.60	13.69	11.52	---	10.20	12.69	11.26	11.22
19	10.14	11.99	11.74	14.18	12.40	13.28	11.58	---	10.10	10.66	11.29	11.38
20	10.28	12.06	12.31	13.73	12.20	13.01	11.69	---	9.98	10.15	10.30	11.81
21	10.24	12.66	13.56	13.52	12.00	13.88	12.38	---	9.90	9.88	9.96	11.49
22	10.22	12.72	13.15	13.47	11.90	20.68	21.48	---	9.88	9.85	9.86	10.94
23	10.14	12.23	12.49	13.25	12.04	21.98	23.35	---	9.82	10.45	9.77	10.56
24	10.20	12.02	12.08	15.52	18.57	20.42	23.95	---	9.80	10.41	9.74	10.33
25	10.58	11.93	15.45	17.18	19.48	15.39	18.76	---	9.82	11.26	9.73	10.21
26	11.34	11.84	19.33	16.00	19.15	13.70	13.73	---	9.80	11.02	9.74	10.12
27	11.13	11.91	18.16	14.89	22.55	13.10	12.64	---	9.72	10.45	9.70	10.07
28	10.87	12.43	16.93	13.89	22.30	16.17	12.11	---	9.70	10.79	9.70	10.04
29	10.66	14.50	14.12	13.30	---	20.21	11.85	---	9.68	11.70	9.67	10.02
30	10.87	14.10	12.90	12.84	---	19.23	11.63	---	9.68	---	9.63	11.02
31	11.77	---	12.41	12.78	---	17.90	---	---	---	---	9.63	---
MEAN	10.67	12.00	13.26	16.87	14.46	19.54	17.22	---	---	---	---	11.15
MAX	14.49	14.50	19.33	26.37	22.55	27.20	27.70	---	---	---	---	15.42
MIN	9.96	10.96	11.43	11.87	11.90	13.01	11.52	---	---	---	---	9.59

02483000 TUSCOLAMETA CREEK AT WALNUT GROVE, MS--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	106	282	192	284	2230	2390	127	196	12	633	13
2	34	65	170	166	289	839	4650	114	130	18	347	13
3	31	44	117	417	292	759	6030	172	97	24	171	11
4	32	38	85	1230	335	5140	6880	620	69	14	104	11
5	37	35	78	1130	371	8590	10700	904	47	13	78	13
6	632	32	78	771	337	9750	11600	429	38	11	60	82
7	488	33	213	921	289	6670	7260	218	28	10	52	692
8	181	33	283	856	249	5160	3610	153	25	12	41	750
9	85	35	204	2880	226	3460	829	133	23	32	33	315
10	58	37	158	4930	207	908	417	120	22	70	30	166
11	47	47	145	7200	194	468	295	101	28	113	29	97
12	41	75	386	6440	441	3520	244	88	24	109	36	66
13	37	114	667	3710	1230	4730	211	79	24	75	36	109
14	34	106	559	2280	1140	5780	191	71	37	46	30	210
15	31	230	370	2700	691	4460	171	65	80	29	25	192
16	31	180	281	2340	403	1090	154	62	62	30	21	256
17	35	124	217	1310	298	2700	142	57	53	158	38	196
18	48	97	177	592	256	375	129	54	40	243	142	119
19	39	85	156	452	229	322	135	51	33	138	113	124
20	48	93	229	392	207	288	144	48	27	138	47	163
21	46	186	428	374	181	441	277	46	22	51	29	185
22	44	188	376	366	170	2100	2430	45	21	32	25	109
23	40	118	260	337	184	2750	3330	44	19	56	21	73
24	42	90	204	724	1320	2010	3530	42	18	53	21	53
25	88	80	774	1180	1700	640	1400	41	18	123	21	43
26	147	71	1710	929	1600	394	383	40	17	133	18	36
27	118	75	1440	638	2990	306	248	40	14	79	16	36
28	78	160	973	440	2970	976	189	39	14	103	15	32
29	53	540	454	351	---	2040	161	38	13	164	15	33
30	61	457	287	290	---	1800	142	37	13	136	20	134
31	127	---	229	277	---	1240	---	37	---	405	16	---
TOTAL	2856	3574	11990	46815	19083	81936	68272	4115	1252	2630	2283	4332
MEAN	92.1	119	387	1510	682	2643	2276	133	41.7	84.8	73.6	144
MAX	632	540	1710	7200	2990	9750	11600	904	196	405	633	750
MIN	31	32	78	166	170	288	129	37	13	10	15	11
CFSM	.22	.29	.94	3.67	1.66	6.43	5.54	.32	.10	.21	.18	.35
IN.	.26	.32	1.09	4.24	1.73	7.42	6.18	.37	.11	.24	.21	.39
CAL YR 1976	TOTAL	226632	MEAN 619	MAX 12700	MIN 25	CFSM 1.51	IN 20.51					
WTR YR 1977	TOTAL	249138	MEAN 683	MAX 11600	MIN 10	CFSM 1.66	IN 22.55					

PEARL RIVER BASIN

02484000 YOCKANOOKANY RIVER NEAR KOSCIUSKO, MS

LOCATION.--Lat 33°01'55", long 89°34'40", in NE¼NE¼ sec.33, T.14 N., R.7 E., Choctaw Meridian, Attala County, Hydrologic Unit 03180001, on left bank at downstream side of bridge on State Highway 35, 2 mi (3 km) south of Kosciusko.

DRAINAGE AREA.--314 mi² (813 km²).

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

REVISED RECORDS.--WSP 1504: 1946.

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

REMARKS.--Records good.

AVERAGE DISCHARGE.--39 years, 420 ft³/s (11.89 m³/s), 18.16 in/yr (461 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,300 ft³/s (547 m³/s) Mar. 29, 1951, gage height, 18.72 ft (5.706 m) maximum gage height 18.86 ft (5.749 m), Mar. 15, 1975; minimum discharge, 2.3 ft³/s (0.065 m³/s) Aug. 20-24, 1943; minimum gage height, 0.10 ft (0.030 m) Sept. 3-6, 1939.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in December 1932 reached a stage of about 17 ft (5.2 m), from information by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 3,000 ft³/s (85 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Jan. 10	1000	4780	135	14.19	4.325	Apr. 5	0400	*11800	334	16.97	5.172
Mar. 6	0600	9480	268	16.17	4.929	Sept. 9	2100	3080	87	13.30	4.054
Mar. 14	1800	4960	140	14.28	4.353						

Minimum discharge, 12 ft³/s (0.34 m³/s) July 4, gage height, 3.89 ft (1.186 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62	168	445	219	235	855	442	56	53	13	786	16
2	52	105	240	188	233	431	790	53	28	13	365	15
3	48	82	179	211	225	555	5060	70	23	12	175	14
4	52	71	153	308	217	5300	8790	104	20	12	99	14
5	52	65	127	332	205	6930	10700	90	19	13	76	14
6	170	63	180	343	183	8820	6640	72	18	13	62	107
7	138	62	557	631	169	5580	3710	59	17	13	55	579
8	85	63	599	738	160	2900	1390	81	17	34	47	1190
9	66	62	354	1480	156	1170	512	613	17	57	38	2630
10	59	62	217	4420	152	562	320	316	16	69	31	1950
11	54	67	229	3980	146	420	238	111	16	159	28	499
12	52	91	820	4400	274	1730	189	72	16	447	26	156
13	49	102	1950	2480	434	3190	167	56	17	245	25	94
14	48	125	1790	1240	343	4520	144	49	33	78	24	165
15	47	191	1270	2080	247	3750	122	44	27	79	22	192
16	46	167	572	1780	189	1140	113	40	25	490	21	215
17	49	122	305	1210	171	423	99	36	29	269	23	179
18	50	96	223	559	165	305	88	34	28	80	23	114
19	51	87	190	343	160	313	95	31	22	79	24	221
20	49	89	490	311	147	842	98	29	19	302	23	437
21	49	120	1010	320	134	1280	102	27	17	416	22	292
22	49	116	855	299	132	822	249	26	16	196	20	160
23	47	98	428	268	252	459	298	26	15	90	19	95
24	48	87	284	579	892	298	192	26	15	112	19	140
25	59	82	531	1110	1390	244	126	27	14	81	20	461
26	87	106	1730	927	796	211	97	25	18	86	25	469
27	86	298	1980	577	1030	188	82	25	16	208	37	480
28	72	448	1470	399	1450	487	72	25	14	337	24	786
29	62	731	690	312	---	994	64	25	14	580	22	768
30	173	814	341	245	---	748	59	23	14	880	19	693
31	248	---	262	232	---	467	---	22	---	1020	17	---
TOTAL	2259	4840	20471	32521	10287	55934	41048	2293	613	6483	2217	13145
MEAN	72.9	161	660	1049	367	1804	1368	74.0	20.4	209	71.5	438
MAX	248	814	1980	4420	1450	8820	10700	613	53	1020	786	2630
MIN	46	62	127	188	132	188	59	22	14	12	17	14
CFSM	.23	.51	2.10	3.34	1.17	5.75	4.36	.24	.07	.67	.23	1.40
IN.	.27	.57	2.43	3.85	1.22	6.63	4.86	.27	.07	.77	.26	1.56

CAL YR 1976	TOTAL	158154	MEAN	432	MAX	4560	MIN	21	CFSM	1.38	IN	18.74
WTR YR 1977	TOTAL	192111	MEAN	526	MAX	10700	MIN	12	CFSM	1.68	IN	22.76

PEARL RIVER BASIN

117

02484500 YOCKANOOKANY RIVER NEAR OFAHOMA, MS

LOCATION.--Lat 32°42'20", long 89°40'20", in NE¼NW¼ sec.22, T.10 N., R.6 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, near center of main span on downstream side of bridge on State Highway 16, 1.5 mi (2.4 km) east of Ofahoma, 3 mi (5 km) upstream from mouth, and 8.5 mi (13.7 km) southwest of Carthage.

DRAINAGE AREA.--484 mi² (1,254 km²).

PERIOD OF RECORD.--October 1943 to current year. Daily mean gage heights published since October 1971. Prior to October 1947, published as Yokahockany River near Ofahoma.

REVISED RECORDS.--WSP 1204: 1948. WSP 1504: 1949.

GAGE.--Water-stage recorder. Datum of gage is 311.15 ft (94.839 m) above mean sea level (levels by Corps of Engineers). Prior to Sept. 5, 1962, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--34 years, 668 ft³/s (18.92 m³/s), 18.74 in/yr (476 mm/yr).

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,500 ft³/s (326 m³/s) Apr. 6, gage height, 18.21 ft (5.550 m); minimum daily, 27 ft³/s (0.76 m³/s) July 7-9.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.59	3.28	5.29	8.29	5.25	10.22	8.56	2.71	1.73	---	6.66	1.43
2	1.79	3.59	5.71	6.02	4.88	9.81	9.23	2.64	1.70	---	7.30	1.39
3	1.91	3.23	6.04	5.00	4.76	9.94	13.20	2.73	1.93	---	7.69	1.35
4	1.81	2.72	5.38	4.84	4.71	14.72	16.04	2.88	1.90	---	7.27	1.34
5	1.73	2.38	4.15	4.85	4.61	15.78	17.67	2.83	1.72	---	5.33	1.33
6	3.24	2.19	3.74	5.07	4.47	16.52	18.10	3.07	1.66	---	3.55	1.47
7	3.25	2.07	5.10	6.08	4.30	17.26	17.76	2.95	1.62	1.40	2.87	1.83
8	3.23	2.01	4.90	6.06	4.08	17.41	16.78	2.74	1.58	---	2.53	2.61
9	2.94	1.98	5.34	9.02	3.88	16.40	15.40	2.69	1.56	---	2.27	4.14
10	2.44	1.97	5.73	14.34	3.76	14.79	13.47	2.90	1.55	---	2.07	4.80
11	2.10	2.16	5.72	13.89	3.69	12.91	11.07	4.39	1.54	2.01	1.91	5.97
12	1.94	2.57	5.32	14.16	4.01	13.77	8.36	4.80	1.53	2.60	1.82	7.78
13	1.84	2.26	6.31	14.59	4.60	13.51	6.19	3.79	1.53	2.93	1.79	9.04
14	1.77	2.57	6.39	15.04	5.00	12.65	4.89	2.93	1.56	3.98	1.71	7.34
15	1.72	2.98	7.16	15.22	5.42	13.42	4.28	2.59	1.66	4.00	1.65	4.37
16	1.69	3.05	8.49	13.87	5.41	14.79	3.92	2.39	2.47	2.93	1.63	3.87
17	1.68	3.34	9.69	12.39	4.88	14.85	3.66	2.25	2.07	2.70	1.59	3.96
18	1.66	3.20	9.56	11.73	4.30	12.87	3.50	2.16	1.86	4.16	1.61	3.91
19	1.66	2.89	7.83	11.06	3.97	10.25	3.49	2.07	1.79	4.12	1.57	3.78
20	1.67	2.75	5.98	9.82	3.80	7.67	3.33	2.02	1.74	3.02	1.65	3.52
21	1.69	2.79	5.48	8.11	3.69	6.23	3.50	1.96	1.67	2.99	1.61	4.08
22	1.70	2.67	5.63	6.47	3.56	6.61	4.00	1.91	1.60	3.76	1.58	4.85
23	1.69	2.76	6.37	5.79	3.94	8.05	4.10	1.87	1.55	4.40	1.54	4.87
24	1.69	2.79	7.27	6.53	7.81	8.97	4.62	1.84	---	3.95	1.49	3.95
25	1.72	2.64	8.41	6.92	7.59	8.24	4.90	1.82	---	3.14	1.46	3.10
26	1.73	2.51	10.55	6.87	7.59	6.62	4.38	1.79	---	3.18	1.44	3.26
27	1.84	2.48	9.56	7.50	9.15	5.37	3.66	1.78	---	3.28	1.43	4.55
28	2.11	3.27	8.99	8.40	10.46	5.48	3.23	1.80	---	3.05	1.49	5.16
29	2.24	5.36	9.79	8.41	---	6.17	3.00	1.76	---	3.93	1.63	5.47
30	2.62	5.14	10.54	7.22	---	6.48	2.84	1.74	---	4.77	1.57	5.88
31	2.90	---	10.12	6.00	---	7.43	---	1.73	---	6.04	1.47	---
MEAN	2.05	2.85	6.99	9.02	5.13	11.14	7.90	2.50	---	---	2.62	4.01
MAX	3.25	5.36	10.55	15.22	10.46	17.41	18.10	4.80	---	---	7.69	9.04
MIN	1.59	1.97	3.74	4.84	3.56	5.37	2.84	1.73	---	---	1.43	1.33

PEARL RIVER BASIN

02484500 YOCKANOOKANY RIVER NEAR OFAHOMA, MS--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	178	460	1110	455	1610	1170	121	44	30	731	38
2	48	212	539	601	392	1490	1340	115	42	29	873	36
3	57	171	601	411	373	1530	2920	123	59	29	963	34
4	50	123	478	385	365	4070	5630	136	56	28	873	33
5	45	92	284	387	350	4900	9430	132	43	28	485	33
6	179	77	231	425	329	6110	11100	155	40	28	218	39
7	175	68	428	611	304	7980	9780	143	37	27	145	62
8	171	64	395	605	273	8490	6700	124	35	27	116	130
9	142	62	471	1380	247	5930	4490	119	34	27	96	297
10	97	61	541	3600	232	3930	3010	141	34	28	81	390
11	70	75	539	3250	224	2670	1890	318	33	66	71	601
12	59	108	466	3440	266	3210	1130	379	33	111	64	993
13	52	83	656	3760	348	3020	635	238	33	143	62	1290
14	47	110	675	4130	411	2530	395	142	34	262	57	898
15	43	146	843	4290	484	2960	301	110	40	264	53	318
16	41	154	1160	3270	482	3930	253	93	100	142	51	246
17	41	183	1460	2410	392	3980	220	82	68	124	48	258
18	40	168	1430	2120	304	2650	201	75	53	286	50	251
19	40	137	1000	1870	259	1630	200	68	48	279	47	235
20	40	125	589	1500	237	965	182	64	45	151	53	203
21	41	128	494	1070	224	641	202	60	40	147	50	276
22	42	117	522	692	208	722	263	57	36	233	48	387
23	41	125	671	552	270	1050	276	54	34	318	45	390
24	41	128	868	707	993	1270	351	52	33	258	41	259
25	43	115	1140	788	940	1100	395	50	32	162	40	158
26	44	103	1710	777	942	725	317	49	31	166	38	178
27	52	100	1430	919	1320	476	220	48	34	177	38	342
28	71	186	1280	1130	1680	500	171	49	32	154	41	438
29	81	473	1490	1130	---	627	148	46	31	255	51	403
30	114	435	1700	857	---	694	133	45	30	376	47	569
31	138	---	1580	595	---	905	---	44	---	603	40	---
TOTAL	2180	4307	26131	48772	13304	82295	63453	3432	1244	4958	5616	9875
MEAN	70.3	144	843	1573	475	2655	2115	111	41.5	160	181	329
MAX	179	473	1710	4290	1680	8490	11100	379	100	603	963	1290
MIN	35	61	231	385	208	476	133	44	30	27	38	33
CFSM	.15	.30	1.74	3.25	.98	5.49	4.37	.23	.09	.33	.37	.68
IN.	.17	.33	2.01	3.75	1.02	6.33	4.88	.26	.10	.38	.43	.76
CAL YR 1976	TOTAL	240285	MEAN	657	MAX	8510	MIN	29	CFSM	1.36	IN	18.47
WTR YR 1977	TOTAL	265567	MEAN	728	MAX	11100	MIN	27	CFSM	1.50	IN	20.41

PEARL RIVER BASIN

119

02486000 PEARL RIVER AT JACKSON, MS

LOCATION.--Lat 32°16'54", long 90°10'43", in NE¼NE¼ sec.15, T.5 N., R.1 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, on left bank at downstream side of bridge on U.S. Highway 80 at eastern city limits of Jackson, 0.4 mi (0.6 km) downstream from Illinois Central Railroad bridge, 0.4 mi (0.6 km) downstream from Town Creek, 4.2 mi (6.8 km) upstream from Richland Creek, and at mile 287.0 (461.8 km).

DRAINAGE AREA.--3,100 mi² (8,030 km²), approximately.

PERIOD OF RECORD.--June 1901 to December 1913 (prior to October 1901 and for 1913, gage heights only), August 1928 to current year. Daily mean gage heights published since October 1971. Gage-height records collected at Woodrow Wilson Bridge, 0.6 mi (1.0 km) upstream, 1904 to 1971 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 662: Drainage area. WSP 1504: 1903, 1909.

GAGE.--Water-stage recorder. Datum of gage is 233.70 ft (71.232 m) above mean sea level. Prior to Dec. 31, 1913; and Aug. 15, 1928, to Sept. 14, 1934, nonrecording gage. Prior to Oct. 1, 1975, at site at Woodrow Wilson Bridge, 0.6 mi (1.0 km) upstream, at datum 1.20 ft (0.366 m) higher. Since Oct. 1, 1962, auxiliary water-stage recorder and concrete control at Jackson waterworks pumping plant, 3.8 mi (6.1 km) upstream (channel change). Datum of supplementary gage is 239.40 ft (72.969 m) above mean sea level.

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

AVERAGE DISCHARGE.--60 years (1901-12, 1928-77), 3,937 ft³/s (111.5 m³/s), 17.25 in/yr (438 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 85,000 ft³/s (2,410 m³/s) Mar. 31, 1902, gage height, 37.5 ft (11.43 m), site and datum then in use, from rating curve extended above 57,000 ft³/s (1,610 m³/s); minimum daily discharge, 45 ft³/s (1.27 m³/s) Oct. 5, 1956, Sept. 18, 1963, regulated; minimum daily unregulated, 78 ft³/s (2.21 m³/s) Oct. 11, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--According to information by local residents and from newspaper records, the flood of Apr. 25, 1874, reached a stage of 37 ft (11.3 m) and the flood of Dec. 5, 1880, reached a stage of 36½ ft (11¼ m), at former site and datum. The flood of Apr. 21, 1900, reached a stage of 36.7 ft (11.19 m), according to the Alabama and Vicksburg Railroad plans confirmed by local residents.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 48,900 ft³/s (1,380 m³/s) Apr. 9, gage height, 35.57 ft (10.842 m); minimum daily, 164 ft³/s (4.64 m³/s) June 23; minimum gage height 3.74 ft (1.140 m) June 26, 27.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.26	4.76	7.38	18.94	11.02	20.53	19.82	10.72	4.08	4.10	9.38	4.31
2	4.32	6.81	8.21	16.80	10.37	20.52	23.17	11.71	4.07	4.12	9.34	4.31
3	4.32	7.74	8.22	14.92	11.07	21.26	24.95	14.31	4.05	4.21	9.30	4.33
4	4.30	7.65	8.23	14.02	12.46	27.29	28.85	13.16	---	4.09	9.23	4.38
5	4.39	7.64	8.23	13.70	10.51	28.75	32.54	13.15	---	4.00	9.06	4.44
6	4.87	7.34	8.63	14.33	10.22	30.20	33.55	11.30	---	4.28	9.03	6.48
7	4.62	4.92	9.42	18.45	10.11	31.33	34.24	8.44	---	4.22	8.64	6.89
8	5.55	4.54	8.95	18.12	9.90	31.61	34.66	8.14	4.05	4.09	7.44	6.33
9	6.17	4.49	8.85	20.32	9.27	32.00	35.06	6.94	4.01	4.54	6.03	6.32
10	6.15	4.48	8.83	23.85	8.57	32.21	35.14	6.83	3.98	4.92	5.01	6.31
11	5.92	4.98	8.90	24.99	8.07	32.32	34.24	6.73	3.96	4.56	4.86	6.51
12	5.32	5.04	9.13	26.25	9.76	32.14	32.39	6.69	3.95	4.56	4.60	7.30
13	5.18	5.87	9.18	27.97	9.14	31.58	30.34	6.65	3.95	4.10	4.54	9.07
14	4.61	6.58	8.98	29.46	8.76	31.18	27.66	6.61	4.09	4.07	4.50	12.28
15	4.47	7.43	9.05	29.84	9.58	30.77	24.51	6.36	4.62	4.36	4.48	14.19
16	4.47	7.23	9.42	29.89	10.58	30.25	22.77	4.79	4.92	4.57	4.52	14.10
17	4.50	6.54	9.82	29.82	10.56	29.91	18.79	4.60	4.53	4.22	4.55	13.13
18	4.45	5.61	10.90	29.74	10.15	29.37	13.95	4.49	4.09	4.19	5.26	12.83
19	4.39	4.74	11.32	29.61	9.15	28.71	11.44	4.43	3.95	3.92	5.32	11.88
20	4.36	4.87	13.36	28.59	9.09	28.34	11.19	4.40	3.87	3.91	5.44	10.52
21	4.34	5.45	14.08	27.02	8.77	27.17	15.26	4.40	3.85	3.98	5.45	8.48
22	4.34	5.85	13.82	25.17	8.03	24.31	16.01	4.40	3.84	4.38	5.18	8.04
23	4.25	6.93	12.93	23.45	10.18	21.50	12.41	4.35	3.79	4.40	4.44	8.01
24	4.28	6.94	9.73	21.50	13.50	19.05	12.45	4.32	3.82	4.19	4.43	7.98
25	4.34	6.49	11.63	19.63	11.02	17.42	15.25	4.34	3.80	4.18	4.44	7.79
26	4.33	4.76	15.21	18.19	11.53	16.68	15.49	4.31	3.76	5.52	4.41	6.62
27	4.31	4.62	16.44	17.13	18.34	16.34	15.43	4.24	3.81	7.15	4.39	6.54
28	4.33	5.52	17.28	16.07	20.03	13.74	15.34	4.22	4.09	8.19	4.41	6.52
29	4.36	7.33	18.44	12.37	---	11.43	15.17	4.12	4.10	8.63	4.44	6.64
30	4.85	7.02	18.94	11.30	---	15.30	11.82	4.11	4.08	9.44	4.36	7.06
31	4.41	---	18.94	11.21	---	16.14	---	4.05	---	9.34	4.34	---
MEAN	4.67	6.01	11.37	21.38	10.71	25.14	22.46	6.69	---	4.98	5.83	7.99
MAX	6.17	7.74	18.94	29.89	20.03	32.32	35.14	14.31	---	9.44	9.38	14.19
MIN	4.25	4.48	7.38	11.21	8.03	11.43	11.19	4.05	---	3.91	4.34	4.31

PEARL RIVER BASIN

02486000 PEARL RIVER AT JACKSON, MS--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	224	388	1420	7120	2860	8250	7830	2770	199	257	2300	185
2	239	1160	1790	5800	2660	8250	10600	3260	199	262	2290	183
3	239	1580	1800	4770	2880	8910	12600	4460	197	292	2270	192
4	234	1540	1800	4320	3610	15800	19800	3920	200	257	2240	202
5	257	1530	1800	4160	2700	18600	30400	3920	210	239	2180	219
6	394	1400	1980	4480	2620	22500	35000	3020	210	314	2050	957
7	323	426	2320	6820	2580	25900	38700	1890	200	298	1870	1080
8	627	309	2130	6590	2510	26800	41700	1770	204	262	1330	844
9	881	295	2080	8200	2260	28100	44700	1220	194	401	729	840
10	873	292	2070	11300	1960	28900	45400	1180	190	518	373	836
11	784	458	2100	12600	1730	29400	38800	1120	187	413	329	919
12	556	464	2200	14300	2440	28600	29800	1110	185	407	257	1270
13	508	760	2230	16900	2210	26700	23000	1090	187	262	239	2070
14	329	1060	2150	20500	2030	25400	16500	1070	221	257	234	3530
15	289	1440	2170	21500	2380	24200	12100	962	370	337	226	4400
16	289	1350	2320	21700	2720	22700	10200	382	484	401	236	4350
17	298	1040	2480	21500	2720	21700	7080	326	361	298	247	3920
18	284	664	2820	21300	2600	20300	4290	295	229	289	491	3770
19	268	367	3020	20900	2210	18500	3090	278	199	219	478	3330
20	260	410	4030	18300	2190	17600	2950	270	180	214	511	2710
21	254	602	4350	15400	2050	15600	5040	270	176	234	514	1910
22	254	760	4220	12900	1710	11900	5370	270	178	343	429	1720
23	231	1220	3860	10900	2640	9020	3600	257	165	352	216	1700
24	239	1220	2440	9020	4110	7200	3640	249	176	289	214	1690
25	254	1020	3240	7660	2860	6160	4950	254	171	287	214	1600
26	252	373	4930	6630	3180	5730	5080	249	165	741	209	1080
27	247	332	5590	5990	6760	5540	5050	231	176	1440	204	1040
28	252	649	6080	5390	7890	4200	5000	229	249	1910	209	1030
29	262	1390	6800	3580	---	3080	4910	206	252	2110	214	1080
30	404	1260	7120	3010	---	5000	3320	204	247	2320	199	1280
31	276	---	7120	2960	---	5430	---	192	---	2280	192	---
TOTAL	11081	25759	100460	336500	81070	505970	480500	36924	6561	18503	23694	49937
MEAN	357	859	3241	10850	2895	16320	16020	1191	219	597	764	1665
MAX	881	1580	7120	21700	7890	29400	45400	4460	484	2320	2300	4400
MIN	224	292	1420	2960	1710	3080	2950	192	165	214	192	183
CFSM	.12	.28	1.05	3.50	.93	5.27	5.17	.38	.07	.19	.25	.54
IN.	.13	.31	1.21	4.04	.97	6.07	5.77	.44	.08	.22	.28	.60
CAL YR 1976	TOTAL	1689298	MEAN	4616	MAX	49400	MIN	180	CFSM	1.49	IN	20.27
WTR YR 1977	TOTAL	1676959	MEAN	4594	MAX	45400	MIN	165	CFSM	1.48	IN	20.12

02488500 PEARL RIVER NEAR MONTICELLO, MS

LOCATION.--Lat 31°33'12", long 90°05'16", in SW¼ sec.23, T.7 N., R.21 W., St. Stephens Meridian, Lawrence County, Hydrologic Unit 03180003, near left bank on downstream side of pier of bridge on U.S. Highway 84, 1.0 mi (1.6 km) east of Monticello, 2.5 mi (4.0 km) upstream from Halls Creek, 3 mi (5 km) upstream from Silver Creek and at mile 190.8 (307.0 km).

DRAINAGE AREA.--5,040 mi² (13,050 km²), approximately.

PERIOD OF RECORD.--October 1938 to current year. Daily mean gage heights published since January 1972. Gage-height records collected in vicinity since 1924, are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1504: 1939, 1949.

GAGE.--Water-stage recorder. Datum of gage is 158.66 ft (48.360 m) above mean sea level (levels by Corps of Engineers). Prior to Dec. 12, 1938, nonrecording gage; Dec. 12, 1938, to Jan. 10, 1949, water-stage recorder; and Jan. 11, 1949, to Oct. 16, 1952, nonrecording gage, all at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--39 years, 6,405 ft³/s (181.4 m³/s), 17.26 in/yr (438 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 78,200 ft³/s (2,210 m³/s) Apr. 14, 1974, gage height, 32.28 ft (9.839 m); minimum, 269 ft³/s (7.62 m³/s) Oct. 24, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1902 reached a stage of about 33 ft (10 m), from reports of National Weather Service, discharge, about 100,000 ft³/s (2,830 m³/s), from rating curve extended above 70,000 ft³/s (1,980 m³/s). A discharge of 69,900 ft³/s (1,980 m³/s) was measured Apr. 8, 1938, by Corps of Engineers, gage height, 30.15 ft (9.190 m) from floodmark.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 38,900 ft³/s (1,100 m³/s) Apr. 14, gage height, 26.18 ft (7.980 m) minimum, 362 ft³/s (10.3 m³/s) Sept. 5, gage height, 4.90 ft (1.494 m).

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.25	5.68	7.30	12.34	10.20	14.55	17.19	11.82	6.22	5.44	8.92	5.13
2	5.23	5.59	7.35	12.43	10.05	14.47	20.14	10.82	6.17	5.49	9.68	5.05
3	5.16	5.42	7.39	12.74	10.37	14.24	20.22	10.47	6.10	5.60	10.35	4.99
4	5.27	6.09	7.59	12.90	11.37	20.00	20.17	11.17	6.08	5.80	10.07	4.96
5	5.32	7.02	7.61	12.19	11.03	22.63	21.77	11.23	6.05	5.71	9.34	4.95
6	5.95	7.15	7.60	11.54	10.60	23.97	23.21	10.37	6.00	5.65	9.05	5.67
7	5.46	7.16	7.85	11.12	9.89	24.52	23.95	9.50	5.97	5.67	8.84	6.95
8	5.60	6.99	8.06	11.45	9.54	24.67	24.51	9.39	5.89	5.60	8.41	8.51
9	5.59	6.18	8.21	13.45	9.34	24.63	24.92	9.27	5.88	5.80	8.05	8.30
10	5.76	5.55	8.04	18.35	9.10	24.39	25.34	8.84	5.87	6.11	7.46	7.66
11	6.23	5.40	8.00	19.32	8.75	24.05	25.55	8.42	5.87	6.73	6.75	7.08
12	6.36	5.58	8.07	19.19	8.55	24.04	25.85	8.21	5.82	7.83	6.10	6.73
13	6.28	5.52	8.45	18.89	10.02	24.25	---	8.14	5.78	7.54	5.75	6.67
14	6.02	5.89	8.53	20.25	11.35	24.57	26.15	8.08	5.80	7.07	5.57	7.14
15	5.88	6.27	8.54	21.40	10.76	24.76	25.80	7.97	5.84	6.35	5.41	8.51
16	5.63	6.78	8.49	21.62	9.94	24.69	25.08	7.85	5.88	5.89	5.34	9.84
17	5.38	7.19	8.33	21.40	9.51	24.41	24.02	7.69	6.22	5.90	5.32	10.44
18	5.26	7.14	8.30	21.09	9.44	23.93	22.28	7.30	6.86	6.37	5.30	10.53
19	5.29	6.85	8.51	20.81	9.30	23.30	19.14	7.02	6.79	6.12	5.53	10.18
20	5.31	6.51	8.89	20.57	8.92	22.70	14.25	6.89	6.33	5.76	7.12	9.93
21	5.21	6.12	9.46	20.41	8.54	22.08	17.57	6.79	5.96	6.15	7.38	9.78
22	5.15	5.88	10.20	20.26	8.37	21.84	22.69	6.72	5.80	6.00	6.57	8.79
23	5.13	5.97	10.47	19.98	8.37	22.18	22.48	6.73	5.71	5.66	6.21	7.94
24	5.15	6.15	10.35	19.50	12.38	22.06	20.18	6.68	5.65	5.60	5.98	7.53
25	5.22	6.69	9.96	18.92	13.17	20.87	16.31	6.58	5.61	5.55	5.60	7.36
26	5.25	6.87	11.81	17.96	12.03	18.10	13.44	6.54	5.63	5.88	5.31	7.56
27	5.36	6.70	12.32	16.33	12.26	14.84	12.99	6.49	5.60	6.44	5.21	7.32
28	5.35	6.37	12.25	14.41	14.07	14.60	12.75	6.47	5.53	6.01	5.18	6.62
29	5.33	6.31	12.23	13.11	---	16.63	12.52	6.39	5.42	7.25	5.19	6.48
30	5.48	6.53	12.10	11.96	---	17.27	12.31	6.31	5.38	8.30	5.21	6.82
31	5.56	---	12.18	10.73	---	15.20	---	6.26	---	9.02	5.19	---
MEAN	5.50	6.32	9.18	16.67	10.26	21.11	---	8.14	5.92	6.27	6.82	7.51
MAX	6.36	7.19	12.32	21.62	14.07	24.76	---	11.82	6.86	9.02	10.35	10.53
MIN	5.13	5.40	7.30	10.73	8.37	14.24	---	6.26	5.38	5.44	5.18	4.95

PEARL RIVER BASIN

02488500 PEARL RIVER NEAR MONTICELLO, MS--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	540	792	1960	7740	5040	10700	14400	6950	961	502	3200	438
2	530	734	2000	7860	4860	10600	19100	5650	929	525	4070	410
3	497	631	2030	8260	5260	10200	19300	5200	883	582	4870	390
4	550	1070	2200	8470	6480	19300	19200	6030	870	695	4550	380
5	576	1740	2210	7550	6040	25100	22900	6080	851	642	3670	380
6	968	1840	2210	6700	5520	29100	26800	5020	818	609	3370	747
7	653	1850	2420	6160	4670	31100	29100	3960	799	620	3140	1650
8	740	1760	2610	6580	4250	31700	31000	3790	753	582	2700	3010
9	734	1200	2760	9240	4010	31500	32800	3640	747	695	2380	2790
10	844	818	2580	16000	3720	30600	34700	3140	740	903	1890	2210
11	1160	753	2550	17500	3330	29400	35800	2690	740	1330	1360	1750
12	1250	870	2610	17300	3110	29300	37300	2480	708	2180	922	1490
13	1200	831	3000	16800	4820	30000	39500	2410	682	1940	688	1450
14	1230	1080	3080	19400	6450	31300	38800	2360	695	1570	593	1820
15	916	1340	3090	22000	5710	32000	37000	2270	721	1050	515	3070
16	760	1720	3040	22500	4730	31800	33500	2160	747	747	484	4600
17	609	2050	2880	22000	4210	30600	29400	2030	968	760	479	5320
18	545	2010	2850	21200	4130	29000	24200	1730	1420	1060	470	5440
19	560	1780	3060	20600	3960	27100	17500	1520	1380	896	593	5020
20	571	1520	3480	20000	3520	25300	10300	1420	1050	664	1690	4720
21	520	1240	4160	19700	3090	23600	15300	1350	805	922	1890	4540
22	493	1070	5040	19300	2920	23000	25300	1300	701	818	1280	3370
23	484	1120	5360	18800	2940	23900	24700	1310	653	609	1040	2510
24	493	1220	5220	17800	7790	23600	19300	1270	615	576	883	2150
25	525	1600	4750	16900	8820	20700	13100	1200	593	550	653	2010
26	540	1710	7050	15400	7340	15700	9170	1180	604	747	497	2170
27	598	1570	7720	13200	7640	11100	8560	1140	593	1120	458	1980
28	593	1310	7630	10500	10000	10800	8240	1130	550	825	450	1440
29	582	1250	7600	8740	---	13600	7900	1080	497	1700	454	1340
30	664	1390	7430	7250	---	14500	7600	1020	475	2570	466	1590
31	714	---	7530	5690	---	11600	---	987	---	3300	466	---
TOTAL	21639	39869	122110	437140	144360	717800	691770	83497	23548	32289	50171	70185
MEAN	698	1329	3939	14100	5156	23150	23060	2693	785	1042	1618	2340
MAX	1250	2050	7720	22500	10000	32000	39500	6950	1420	3300	4870	5440
MIN	484	631	1960	5690	2920	10200	7600	987	475	502	450	380
CFSM	.14	.26	.78	2.80	1.02	4.59	4.58	.53	.16	.21	.32	.46
IN.	.16	.29	.90	3.23	1.07	5.30	5.11	.62	.17	.24	.37	.52
CAL YR 1976	TOTAL	2559501	MEAN	6993	MAX	48100	MIN	484	CFSM	1.39	IN	18.89
WTR YR 1977	TOTAL	2434378	MEAN	6670	MAX	39500	MIN	380	CFSM	1.32	IN	17.97

02488700 WHITESAND CREEK NEAR OAK VALE, MS

LOCATION.--Lat 31°28'14", long 89°58'25", in SW¼ sec.24, T.6 N., R.20 W., St. Stephens Meridian, Lawrence County, Hydrologic Unit 03180003, near right bank on downstream side of bridge on State Highway 43, 1.2 mi (1.9 km) upstream from Illinois Central Railroad bridge, 2.3 mi (3.7 km) north of Oak Vale, and 3.7 mi (6.0 km) upstream from mouth.

DRAINAGE AREA.--131 mi² (339 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 182.20 ft (55.535 m) above mean sea level (from information by Mississippi State Highway Department).

REMARKS.--Records good.

AVERAGE DISCHARGE.--12 years, 189 ft³/s (5.352 m³/s), 19.59 in/yr (498 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,400 ft³/s (719 m³/s) Apr. 13, 1974 (gage height, 18.76 ft or 5.718 m); minimum, 59 ft³/s (1.67 m³/s) Sept. 12-16, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 28, 29, 1961, reached a stage of 17.11 ft (5.215 m) from floodmark, discharge, 15,900 ft³/s (450 m³/s). Maximum stage known since at least 1879, 20½ ft (6¼ m) in April 1900, and flood in January 1925 reached a stage of 17.3 ft or 5.27 m) from information by local residents).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,880 ft³/s (82 m³/s) Mar. 5, only peak above base of 2,500 ft³/s (71 m³/s), gage height, 8.62 ft (2.627 m); minimum discharge, 93 ft³/s (2.63 m³/s) Oct. 4, 5, Nov. 10, 11, minimum gage height, 3.89 ft (1.186 m) Oct. 4, 5.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	98	125	140	114	128	214	424	164	137	105	133	109
2	98	112	125	114	128	186	837	171	123	105	147	109
3	96	107	121	184	194	174	368	253	116	112	174	109
4	93	102	116	233	304	1790	290	194	116	109	145	112
5	96	102	112	179	209	2050	409	169	116	121	125	114
6	256	98	114	152	166	1140	322	159	114	109	121	247
7	206	100	222	154	149	974	239	152	112	107	123	368
8	149	96	194	145	140	460	212	149	112	105	121	199
9	133	96	145	353	140	326	199	230	109	112	116	152
10	125	93	128	655	135	299	189	179	109	112	114	145
11	123	100	140	368	133	302	181	152	109	114	114	142
12	118	191	184	181	152	655	174	147	109	116	118	149
13	116	145	204	157	225	861	169	149	109	112	116	161
14	112	142	184	987	181	452	164	142	114	128	116	157
15	109	176	171	994	152	302	159	135	114	123	112	157
16	109	140	161	360	142	271	157	133	114	125	112	186
17	109	121	142	217	137	253	152	130	114	123	114	164
18	107	112	130	186	135	236	149	128	114	112	112	145
19	105	112	123	166	135	225	159	128	112	109	112	140
20	105	133	128	154	128	212	164	125	112	107	112	145
21	105	142	135	149	125	209	909	125	109	105	114	137
22	105	125	128	145	125	236	2140	125	107	105	112	133
23	105	112	121	140	280	230	980	125	105	107	112	128
24	105	107	114	147	1070	217	350	123	105	107	109	128
25	107	105	174	154	635	217	262	125	105	114	112	125
26	105	107	350	140	250	206	228	121	105	306	112	123
27	102	109	206	137	420	184	204	121	102	194	112	121
28	100	186	157	140	350	262	189	118	105	135	114	121
29	100	283	137	130	---	428	176	118	107	169	114	121
30	123	179	128	123	---	382	169	121	107	147	114	121
31	145	---	121	125	---	309	---	154	---	140	112	---
TOTAL	3665	3858	4755	7583	6470	14262	10724	4565	3342	3895	3694	4468
MEAN	118	129	153	245	231	460	357	147	111	126	119	149
MAX	256	283	350	994	1070	2050	2140	253	137	306	174	368
MIN	93	93	112	114	125	174	149	118	102	105	109	109
CFSM	.90	.99	1.17	1.87	1.76	3.51	2.73	1.12	.85	.96	.91	1.14
IN.	1.04	1.10	1.35	2.15	1.84	4.05	3.05	1.30	.95	1.11	1.05	1.27

CAL YR 1976 TOTAL 71237 MEAN 195 MAX 6030 MIN 93 CFSM 1.49 IN 20.23
WTR YR 1977 TOTAL 71281 MEAN 195 MAX 2140 MIN 93 CFSM 1.49 IN 20.24

PEARL RIVER BASIN

02489000 PEARL RIVER NEAR COLUMBIA, MS

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

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

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

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

REMARKS.--Records furnished by National Weather Service.

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

EXTREMES FOR PERIOD OF RECORD.--1928-1954: Maximum discharge, 72,600 ft³/s (2,060 m³/s) Apr. 9, 1938 (gage height, 26.40 ft or 8.047 m); minimum, 705 ft³/s (20.0 m³/s) Oct. 21, 1952 (gage height 0.81 ft or 0.247 m). 1904 to current year: Maximum observed gage height, 27.00 ft (8.230 m) Apr. 15, 1974.

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

EXTREMES FOR CURRENT YEAR.--Maximum observed 21.56 ft (6.571 m) May 16 at 0700; minimum 2.02 ft (0.616 m) Sept. 5.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.11	2.63	4.12	8.76	8.97	11.03	13.21	8.98	3.00	2.43	5.32	2.47
2	2.11	2.72	3.97	8.87	7.67	11.09	11.77	8.87	3.09	2.34	5.55	2.25
3	2.12	2.72	4.27	8.84	7.02	11.85	14.96	8.62	3.04	2.66	5.73	2.24
4	2.14	2.47	4.25	9.36	7.25	10.76	15.79	7.75	2.99	2.56	6.53	2.23
5	2.09	2.43	4.20	10.13	8.58	15.74	15.82	7.62	2.80	2.58	6.78	2.02
6	2.09	2.43	4.38	9.76	8.52	17.43	16.20	8.24	2.77	2.74	6.38	2.98
7	3.97	2.82	4.41	9.07	8.19	18.28	17.19	7.32	2.74	2.64	6.34	4.58
8	3.45	2.90	5.28	8.23	7.50	18.92	18.13	6.87	2.66	2.52	6.31	4.45
9	2.86	2.95	5.20	8.60	7.21	19.53	18.80	6.39	2.63	2.58	5.32	4.53
10	2.49	3.57	5.20	9.18	7.02	19.76	19.40	6.24	2.42	2.76	5.27	5.23
11	2.49	3.42	5.20	12.46	6.47	19.81	20.02	6.00	2.39	2.82	5.24	4.78
12	2.47	2.38	5.12	14.36	6.31	19.49	20.47	5.93	2.40	2.98	4.33	4.52
13	2.47	2.38	5.53	14.43	6.00	19.61	20.82	4.97	2.41	3.21	4.29	3.89
14	2.47	2.90	5.58	14.32	6.00	19.60	21.17	4.84	2.50	3.26	4.31	4.00
15	3.12	3.23	5.66	16.00	6.08	19.72	21.49	4.80	2.46	4.12	2.89	3.98
16	3.16	3.12	5.70	16.45	8.15	19.69	21.56	4.72	2.41	4.32	2.86	4.47
17	3.16	3.12	5.56	16.56	8.00	19.85	21.22	4.67	2.60	3.26	2.81	5.97
18	2.55	3.00	5.32	16.47	7.32	19.89	20.78	4.35	2.63	2.95	2.77	6.73
19	2.52	4.02	5.29	16.39	6.97	19.73	19.87	4.31	2.82	3.00	2.75	6.96
20	2.48	3.94	5.37	16.13	6.53	19.25	17.93	3.89	3.27	2.49	2.33	7.05
21	2.48	3.83	5.53	15.89	6.32	18.72	16.00	3.82	3.36	2.43	2.29	6.59
22	2.15	3.66	5.88	15.62	6.19	18.23	16.22	3.77	2.93	2.61	3.81	6.48
23	2.15	3.32	6.55	15.49	6.08	17.38	18.00	3.44	2.70	2.66	3.85	6.22
24	2.15	3.32	7.13	15.37	6.50	17.13	18.43	3.37	2.62	2.60	3.39	6.09
25	2.06	3.18	7.19	15.19	8.23	17.08	18.22	3.49	2.64	2.57	3.34	5.89
26	2.11	3.03	7.44	14.89	10.32	17.12	16.71	3.35	2.59	2.55	3.00	4.47
27	2.19	3.00	8.80	14.47	9.53	16.43	11.63	3.32	2.52	2.82	2.99	4.28
28	2.19	3.73	9.17	13.58	9.37	14.21	9.73	3.28	2.49	3.00	2.32	4.38
29	2.22	3.87	9.05	12.30	---	11.54	9.73	3.25	2.47	3.26	2.31	4.35
30	2.27	4.12	8.95	10.59	---	12.15	9.24	3.07	2.52	4.02	2.34	3.68
31	2.63	---	8.78	10.12	---	13.08	---	3.04	---	3.80	2.49	---
MEAN	2.48	3.14	5.94	12.83	7.44	16.91	17.02	5.24	2.70	2.92	4.07	4.59
MAX	3.97	4.12	9.17	16.56	10.32	19.89	21.56	8.98	3.36	4.32	6.78	7.05
MIN	2.06	2.38	3.97	8.23	6.00	10.76	9.24	3.04	2.39	2.34	2.29	2.02

CAL YR 1976 MEAN 7.11 MAX 23.92 MIN 2.00
WTR YR 1977 MEAN 7.11 MAX 21.56 MIN 2.02

02489500 PEARL RIVER NEAR BOGALUSA, LA

LOCATION.--Lat 30°47'35", long 89°49'15", on line between secs. 17 and 18, T.3 S., R.14 E., Washington Parish, Hydrologic Unit 03180004, near right bank on downstream side of bridge on State Highway 10, 2.0 mi (3.2 km) east of Bogalusa, and 2.0 mi (3.2 km) upstream from Bogue Lusa Creek.

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

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

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

REMARKS.--Records good.

AVERAGE DISCHARGE.--39 years, 9,329 ft³/s (264.1 m³/s), 19.11 in/yr (485 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 99,000 ft³/s (2,800 m³/s) Apr. 17, 1974, gage height, 22.13 ft (6.745 m); minimum, 1,020 ft³/s (28.9 m³/s) Oct. 29 to Nov. 1, 1963; minimum gage height, 4.84 ft (1.475 m) Oct. 30, 31, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 11, 1938, reached a stage of 21.0 ft (6.40 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 49,900 ft³/s (1,410 m³/s) Apr. 22, gage height, 20.12 ft (6.133 m); minimum, 1,560 ft³/s (44.2 m³/s) Oct. 6, gage height, 6.64 ft (2.024 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1660	2540	4160	8480	10100	11400	21200	10500	2730	1860	3570	2100
2	1630	2260	3500	8480	8510	12100	18700	10100	2850	1870	4390	2030
3	1610	2090	3420	8820	7910	12700	18100	10200	2700	1920	4570	1920
4	1620	2030	3460	9700	8570	15600	20600	9420	2560	2010	5160	1870
5	1590	1930	3420	10400	9200	22200	24200	8260	2450	1980	5660	1950
6	1560	1910	3530	10300	9260	28900	26700	8160	2380	2030	5690	3260
7	1760	2280	4660	10300	8520	33000	27800	8130	2320	2050	5240	5610
8	2360	2660	6240	10100	7820	36100	29000	7290	2260	1980	4780	5510
9	2220	2730	5470	8960	7080	38200	31800	6670	2210	1960	4580	4500
10	1940	2730	4770	9920	6590	40000	34100	6640	2170	2090	4240	4870
11	1880	2520	4610	13500	6260	40800	36000	6080	2140	2720	4020	5140
12	1450	2380	5060	17000	5980	42900	37900	5480	2120	2960	3740	4870
13	1950	2380	5640	19300	5720	44600	39800	5010	2090	2940	3430	4500
14	2110	2610	5920	23800	5730	44600	41200	4660	2080	3180	3000	4150
15	2170	3010	5840	29600	6730	44000	42500	4430	2070	3620	2580	4040
16	2150	3270	5690	32500	7660	43100	43700	4260	2080	3740	2340	5870
17	2090	3010	5370	33400	7360	42500	45000	4120	2070	3580	2160	6900
18	1990	2890	5030	33200	6700	42900	46300	3960	2070	3060	2160	6780
19	1870	3000	4730	32500	6230	42700	47200	3790	2120	2570	2770	6740
20	1780	3100	4680	32000	6020	42500	48300	3550	2380	2470	3060	6770
21	1720	3100	5030	31000	5840	41900	49400	3320	2600	2590	2820	6400
22	1710	2970	5310	29600	5520	40200	49000	3160	2520	2520	2890	6040
23	1690	2720	5560	28600	5200	38200	45900	3070	2250	2390	3280	5770
24	1650	2440	6000	28000	5410	36500	42700	3000	2090	2370	3150	5110
25	1830	2330	6590	27400	7550	35200	39000	3030	2010	2170	2940	4410
26	1820	2380	8260	26400	10200	34100	38200	3010	1950	2050	2620	3940
27	1830	2690	8780	24600	11500	33200	33600	2930	1890	2080	2370	3660
28	1780	3600	8970	22500	11700	30700	20700	2850	1870	2310	2160	3620
29	1760	5350	9000	18900	---	22400	14500	2760	1870	2790	2090	4110
30	2100	5200	8760	15300	---	18300	11800	2690	1900	2800	2120	4120
31	2610	---	8680	12300	---	20200	---	2680	---	2860	2120	---
TOTAL	58340	84110	176140	626860	210870	1031700	1024900	163210	66800	77520	105700	136560
MEAN	1882	2804	5682	20220	7531	33280	34160	5265	2227	2501	3410	4552
MAX	2610	5350	9000	33400	11700	44600	49400	10500	2850	3740	5690	6900
MIN	1560	1910	3420	8480	5200	11400	11800	2680	1870	1860	2090	1870
CFSM	.28	.42	.86	3.05	1.14	5.02	5.15	.79	.34	.38	.51	.69
IN.	.33	.47	.99	3.52	1.18	5.79	5.75	.92	.37	.43	.59	.77
CAL YR 1976	TOTAL	3455700	MEAN	9442	MAX	56100	MIN	1560	CFSM	1.42	IN	19.39
WTR YR 1977	TOTAL	3762710	MEAN	10310	MAX	49400	MIN	1560	CFSM	1.56	IN	21.11

02490500 BOGUE CHITTO NEAR TYLERTOWN, MS

LOCATION.--Lat 31°10'37", long 90°16'48", in SE¼ sec.34, T.3 N., R.9 E., Washington Meridian, Pike County, Hydrologic Unit 03180005, near right bank on downstream side of bridge on U.S. Highway 98, 0.2 mi (0.3 km) upstream from Fernwood, Columbia and Gulf Railroad bridge, 0.2 mi (0.3 km) upstream from Bars Branch, 2.2 mi (3.5 km) downstream from Topisaw Creek, and 9 mi (14 km) northwest of Tylertown.

DRAINAGE AREA.--502 mi² (1,300 km²).

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

REVISED RECORDS.--WSP 1504: 1945 (P), 1946(M), 1947-51, 1953.

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

REMARKS.--Records good.

AVERAGE DISCHARGE.--33 years, 792 ft³/s (22.43 m³/s), 21.43 in/yr (544 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 45,700 ft³/s (1,290 m³/s) Jan. 7, 1950, gage height, 33.50 ft (10.211 m); minimum, 175 ft³/s (4.96 m³/s) Oct. 31, 1963; minimum gage height, 6.08 ft (1.853 m), part of each day Oct. 13-22, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in February 1936 reached a stage 1.2 ft (0.37 m) higher than the flood of Jan. 7, 1950, at the railroad bridge, 0.2 mi (0.3 km) downstream.

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

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Mar. 6	1700	7620	216	16.61	5.063	Apr. 22	2230	*25,000	708	27.51	8.385

Minimum discharge, 247 ft³/s (7.0 m³/s) June 29, gage height, 6.51 ft (1.984 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	265	326	498	413	448	1280	1340	441	274	259	296	271
2	263	301	413	403	454	860	1370	443	273	281	359	266
3	261	291	379	499	524	733	1450	495	270	378	527	264
4	263	287	361	873	1250	4380	1020	473	268	275	525	264
5	265	285	351	1050	1550	6020	1640	428	266	300	396	272
6	479	284	355	750	1100	6700	1530	399	265	294	315	555
7	389	285	601	625	738	5340	1030	380	262	269	295	884
8	310	285	756	555	612	3080	720	366	260	260	286	688
9	287	284	535	618	540	2020	594	360	258	265	276	417
10	279	287	434	1760	504	1220	532	391	257	280	269	396
11	276	294	429	1820	479	1010	497	383	257	292	268	388
12	274	354	459	1770	504	1150	465	349	256	290	270	350
13	272	431	570	983	738	1540	444	338	257	275	269	352
14	272	430	749	3180	955	1300	434	329	258	274	268	531
15	271	460	651	4020	724	925	420	324	265	290	265	456
16	273	425	571	2790	580	765	414	317	268	292	265	438
17	273	371	512	2530	516	684	404	317	268	278	304	376
18	270	338	452	1120	483	625	411	313	274	268	414	344
19	271	332	416	787	469	580	1060	310	272	264	369	325
20	271	353	415	657	451	544	1040	308	268	294	450	311
21	270	374	419	585	441	524	8720	305	264	444	376	304
22	271	371	422	532	430	520	22700	301	258	313	315	298
23	272	344	407	500	568	621	15500	303	255	307	298	294
24	275	329	390	500	1940	580	5510	297	257	287	284	290
25	283	324	472	508	1910	548	2160	292	255	279	279	285
26	282	326	1100	548	1780	536	1030	290	253	308	275	282
27	284	329	1290	520	1720	520	754	291	251	276	274	280
28	280	437	806	493	1700	860	612	284	251	299	273	279
29	282	736	579	476	---	1610	528	281	250	304	275	279
30	347	677	496	455	---	1930	476	278	253	295	278	281
31	351	---	444	451	---	1960	---	275	---	300	277	---
TOTAL	8981	10950	16732	32771	24108	50965	74805	10661	7843	9090	9890	11020
MEAN	290	365	540	1057	861	1644	2494	344	261	293	319	367
MAX	479	736	1290	4020	1940	6700	22700	495	274	444	527	884
MIN	261	284	351	403	430	520	404	275	250	259	265	264
CFSM	.58	.73	1.08	2.11	1.72	3.28	4.97	.69	.52	.58	.64	.73
IN.	.67	.81	1.24	2.43	1.79	3.78	5.54	.79	.58	.67	.73	.82
CAL YR 1976	TOTAL	225732	MEAN	617	MAX	7750	MIN	259	CFSM	1.23	IN	16.73
WTR YR 1977	TOTAL	267816	MEAN	734	MAX	22700	MIN	250	CFSM	1.46	IN	19.85

TENNESSEE RIVER MAIN STEM

03589500 TENNESSEE RIVER AT FLORENCE, AL

LOCATION.--Lat 34°47'13", long 87°40'12", in SW¼ sec.14, T.3 S., R.11 W., Lauderdale County, Hydrologic Unit 06030005, on right bank at lower end of Patton Island, 137 ft (41.8 m) upstream from Southern Railway bridge, 700 ft (213 m) upstream from O'Neal Bridge on U.S. Highway 72, 1.1 mi (1.8 km) south of Florence Post Office, 1.7 mi (2.7 km) upstream from Cypress Creek, 2.7 mi (4.3 km) downstream from Wilson Dam, and at mile 256.7 (413.0 km).

DRAINAGE AREA.--30,810 mi², approximately, (79,798 km²).

PERIOD OF RECORD.--November 1871 to September 1894 (gage heights only), October 1894 to current year.

REVISED RECORD.--WSP 473: 1897(M). WSP 1306: 1914(M), 1936 (monthly runoff). WSP 1436: 1897, 1899, 1916.

GAGE.--Water-stage recorder. Datum of gage is 401.12 ft (122.261 m) above mean sea level. Prior to Apr. 1, 1926, several National Weather Service staff gages at or near Southern Railway bridge 137 ft (41.8 m) downstream at same datum. Apr. 1, 1926, to Mar. 11, 1958, water-stage recorder on left bank at lower end of old lock and dam, 1,400 ft (427 m) upstream at same datum. Since Oct. 1, 1938, auxiliary water-stage recorder 15.2 mi (24.5 km) downstream.

REMARKS.--Water-discharge records good except those below 25,000 ft³/s (708 m³/s), which are fair. Slight regulation since 1924 by Wilson Lake and increasing regulation since 1936 as other reservoirs have been built above station. Flow now almost completely regulated.

AVERAGE DISCHARGE.--83 years, 51,600 ft³/s (1461 m³/s), 22.74 in/yr (578 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 530,000 ft³/s (1,500 m³/s) Mar. 17, 1973 (gage height, 30.03 ft (9.153 m)); minimum daily, 105 ft³/s (2.97 m³/s) Sept. 7, 1969 (computed on basis of Wilson Dam records); minimum gage height, -0.30 ft (-0.914 m) Oct. 8, 1925, caused by filling of Wilson Lake.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1867 reached a stage of 31.1 ft (9.48 m), from National Weather Service records, discharge, 421,000 ft³/s (1,190 m³/s). Maximum discharge observed, 444,000 ft³/s (1,260 m³/s) Mar. 19, 1897, gage height, 32.5 ft (9.91 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 252,000 ft³/s (7137 m³/s) Apr. 8, gage height, 21.81 ft (6.648 m); minimum daily, 14,100 ft³/s (399 m³/s) Sept. 3.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27500	53400	53000	63600	48200	74700	82500	40000	31500	33300	27600	25300
2	23200	48000	48900	66200	43200	66700	92800	41400	32500	27100	26200	21600
3	21600	46800	60900	64500	40200	70100	96600	45400	33100	32300	23700	14100
4	25400	50400	58000	61800	30100	115000	176000	45200	29600	27000	16900	14600
5	23100	43700	38300	56600	29900	119000	255000	32600	27000	25900	20500	15100
6	29100	31700	48700	59600	27600	103000	249000	42300	26800	45800	27600	20500
7	29100	31400	51300	61200	34600	100000	248000	44200	31100	35700	23500	41200
8	25600	44300	59900	67600	34300	101000	240000	24600	26400	34800	24400	55400
9	26500	36900	56000	80000	36200	90600	204000	40700	29600	16600	22100	51400
10	26400	35700	56800	99000	30900	104000	155000	51000	21200	11200	23400	47700
11	28700	36000	60300	102000	32400	104000	108000	48700	23600	15300	24900	36600
12	32100	37600	64600	101000	32600	121000	81200	40000	22400	33800	30900	37400
13	36900	38100	60500	101000	32300	150000	67000	41800	34000	35700	26800	38500
14	39600	35900	67400	90900	33300	163000	74000	37000	37900	30400	16300	33900
15	35800	35300	63000	90200	44900	158000	67900	34600	33100	32400	28900	48500
16	24800	35500	75800	86200	46200	148000	36000	36900	28700	40600	29500	57800
17	25200	37900	63100	94400	38400	134000	43000	41800	32400	32600	34500	52400
18	36200	34600	65700	73200	33700	105000	49300	42300	36300	33500	34700	50600
19	33200	37400	60500	65100	26900	90000	47300	39300	33900	23600	41700	57500
20	36500	33300	67100	56600	25700	63500	44200	37000	41100	25800	28400	50700
21	38000	28900	65300	57300	24200	62700	46900	36700	30900	24700	26500	50500
22	30200	39100	60600	59100	25000	52600	50200	37700	34800	26900	29300	52400
23	35700	27300	55200	51600	27500	62100	61900	38700	33400	28700	21100	54900
24	34900	35400	60700	47500	51900	57200	74200	44400	38000	27200	24500	35500
25	50100	28100	61200	46600	72600	45800	64200	44900	28700	29300	22400	25900
26	62100	31400	66100	46700	71600	40300	48900	44300	24400	27600	39600	39000
27	60300	47700	58800	50900	77700	28400	55000	42300	39600	31900	23400	43500
28	56100	28000	58500	53200	78700	40400	48000	41100	28000	32600	19000	45900
29	49500	39900	56100	59200	---	30600	46700	38500	26900	30000	22000	50500
30	63300	56300	47500	48300	---	42200	37800	38600	30400	29400	25400	43800
31	49000	---	51600	46100	---	81300	---	50400	---	26400	26700	---
TOTAL	1115700	1146000	1821400	2107200	1130800	2724200	2950600	1264400	927300	908100	812400	1212700
MEAN	35990	38200	58750	67970	40390	87880	98350	40790	30910	29290	26210	40420
MAX	63300	56300	75800	102000	78700	163000	255000	51000	41100	45800	41700	57800
MIN	21600	27300	38300	46100	24200	28400	36000	24600	21200	11200	16300	14100
CFSM	1.17	1.24	1.91	2.21	1.31	2.85	3.19	1.32	1.00	.95	.85	1.31
IN.	1.35	1.38	2.20	2.54	1.37	3.29	3.56	1.53	1.12	1.10	.98	1.46

CAL YR 1976	TOTAL	17520600	MEAN	47870	MAX	122000	MIN	14400	CFSM	1.55	IN	21.15
WTR YR 1977	TOTAL	18120800	MEAN	49650	MAX	255000	MIN	11200	CFSM	1.61	IN	21.88

TENNESSEE RIVER BASIN

03592500 BEAR CREEK AT BISHOP, AL

LOCATION.--Lat 34°39'21", long 88°07'21", in SE¼ sec.5, T.5 S., R.15 W., Colbert County, Hydrologic Unit 06030006, on left bank 250 ft (76 m) upstream from highway bridge, 0.5 mi (0.8 km) downstream from Cedar Creek, 0.8 mi (1.3 km) southwest of Bishop, and at mile 27.3 (43.9 km).

DRAINAGE AREA.--667 mi² (1728 km²).

PERIOD OF RECORD.--August 1926 to June 1928, February 1929 to March 1932, June 1933 to current year.

REVISED RECORDS.--WSP 698: 1929. WSP 823: Drainage area. WSP 853: 1927, 1928(M), 1929, 1930(M), 1932(M).

GAGE.--Water-stage recorder. Datum of gage is 419.91 ft (127.989 m) above mean sea level. Nonrecording gage prior to June 23, 1928, and Feb. 10, 1929, to Mar. 31, 1932, at site 35 ft (11 m) downstream, and June 7, 1933, to May 28, 1934, at bridge 20 ft (6 m) downstream at datum 5.00 ft (1.524 m) lower.

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

AVERAGE DISCHARGE.--47 years (water years 1926-27, 1929-31, 1933-77), 1129 ft³/s (31.97 m³/s), 22.99 in/yr (584 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 60,800 ft³/s (1,720 m³/s) Mar. 17, 1973, gage height, 24.12 ft (7.352 m), in gage well; 25.2 ft (7.67 m) from floodmarks 20 ft (6.1 m) upstream from gage; minimum discharge, 9.3 ft³/s (0.26 m³/s) Sept. 15-17, 1954; minimum gage height, -0.15 ft (-0.046 m) Sept. 1, 1943.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 7,500 ft³/s (212 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar. 4	1845	17700	501	Apr. 4	2230	14200	402
Mar. 12	2300	13800	391				

Minimum daily discharge, 53 ft³/s (1.50 m³/s) Sept. 2, 3.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	237	816	1050	924	533	2740	696	463	259	116	170	59
2	205	734	670	745	493	2610	726	436	321	113	156	56
3	185	644	537	745	487	3270	1890	425	321	117	145	53
4	172	734	425	792	484	14700	10500	463	293	104	140	53
5	159	692	375	780	472	14500	11000	508	203	98	138	61
6	209	764	355	1040	454	9930	5050	448	166	96	108	69
7	316	737	365	1750	431	7910	3830	425	166	93	90	100
8	282	718	345	1610	425	5350	3360	451	157	88	81	125
9	291	677	314	2710	419	4290	3030	428	148	128	78	119
10	248	757	298	4740	406	3740	2790	403	126	181	79	100
11	209	857	403	3070	362	3040	2600	288	107	111	82	100
12	187	942	1210	2770	417	8780	2450	279	104	109	77	159
13	166	929	1220	2420	502	11400	2320	259	95	103	74	185
14	161	929	916	2710	466	6680	2210	243	125	195	75	229
15	155	924	711	2540	484	5140	2100	235	138	136	81	169
16	148	907	475	1940	330	3910	1990	226	270	113	140	316
17	152	886	367	1680	275	3620	1860	220	475	226	140	458
18	148	911	319	1260	508	3460	1140	214	1200	271	140	196
19	143	836	293	890	475	3310	886	209	655	259	118	279
20	174	609	1170	711	311	3220	703	199	406	150	163	286
21	181	533	1220	670	291	2910	626	195	266	111	184	194
22	170	493	960	644	291	2310	749	189	224	103	176	143
23	159	328	832	637	385	2200	951	190	197	101	129	112
24	241	291	730	700	4510	2130	1690	200	163	123	99	110
25	1020	282	1260	911	3720	2060	881	200	136	100	73	535
26	1050	328	2470	929	2840	1980	942	200	120	137	66	1600
27	655	469	1580	938	2930	1920	840	200	110	147	66	1170
28	560	1300	2010	890	2760	1970	641	200	110	336	63	1360
29	422	2310	1530	696	---	1590	511	210	110	248	58	1270
30	1020	1260	1160	555	---	1360	484	230	110	210	59	1020
31	1200	---	1130	623	---	812	---	230	---	188	60	---
TOTAL	10425	23597	26700	44060	26461	142842	69446	9066	7281	4611	3308	10686
MEAN	343	787	861	1421	945	4608	2315	292	243	149	107	366
MAX	1200	2310	2470	4740	4510	14700	11000	508	1200	336	184	1600
MIN	143	282	293	595	275	812	484	189	95	88	58	53
CFSM	.51	1.18	1.29	2.13	1.42	6.91	3.47	.44	.36	.22	.16	.53
IN.	.59	1.32	1.49	2.46	1.48	7.97	3.87	.51	.41	.26	.18	.60

CAL YR 1976 TOTAL 358901 MEAN 981 MAX 6180 MIN 143 CFSM 1.47 IN 20.02
WTR YR 1977 TOTAL 378683 MEAN 1037 MAX 14700 MIN 53 CFSM 1.56 IN 21.12

03592718 LITTLE YELLOW CREEK EAST NEAR BURNSVILLE, MS

LOCATION.--Lat 34°50'01", long 88°17'08", in SE¼ sec.7, T.3 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 06030005, at bridge 0.2 mi (0.3 km) northeast of Walkers Siding and 2.0 mi (3.2 km) east of Burnsville.

DRAINAGE AREA.--24.7 mi² (64.0 km²), Tennessee Valley Authority.

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

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

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,030 ft³/s (85.8 m³/s) Jan. 10, 11, 1974, and Mar. 13, 1975, gage height, 19.06 ft (5.809 m); minimum, 2.8 ft³/s (0.079 m³/s) Aug. 25, 1977, gage height, 6.04 ft (1.841 m).

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 700 ft³/s (19.8 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Mar. 4	0600	*2460	69.7	18.77	5.721	Apr. 4	1800	1140	32.3	17.78	5.419
Mar. 12	0745	846	24.0	17.31	5.276						

Minimum discharge, 2.8 ft³/s (0.079 m³/s) Aug. 25, gage height, 6.04 ft (1.841 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.5	24	24	37	18	38	20	14	23	5.5	15	3.4
2	7.9	19	25	28	17	32	26	13	14	5.8	7.7	3.5
3	7.6	17	21	20	19	359	84	46	11	5.3	5.9	3.4
4	7.4	17	19	27	21	1520	836	78	9.8	5.1	6.1	3.3
5	7.9	16	18	37	20	259	333	37	9.0	5.0	5.1	5.5
6	24	16	19	40	17	80	86	24	8.8	4.6	4.7	6.7
7	12	16	32	44	16	56	56	19	9.3	4.5	4.4	6.2
8	9.8	15	21	28	16	45	43	17	8.3	4.4	4.3	5.8
9	9.3	16	17	107	16	40	35	15	8.0	7.4	4.2	4.9
10	8.6	16	18	69	17	37	30	13	7.9	8.3	4.1	4.5
11	8.3	17	20	36	17	39	26	13	7.6	5.9	4.2	4.0
12	8.2	21	58	26	35	454	23	12	7.6	5.5	3.8	3.8
13	8.3	17	34	25	25	141	21	13	7.3	5.0	3.7	5.8
14	8.3	22	25	132	20	67	19	11	11	4.6	3.6	26
15	8.3	22	24	71	18	51	18	10	12	4.4	4.5	13
16	9.3	18	21	44	16	42	17	10	11	4.3	4.4	7.3
17	11	17	19	30	16	38	16	9.3	18	4.2	6.5	6.6
18	9.8	16	19	26	16	36	15	9.1	19	4.1	7.3	6.4
19	9.8	16	18	23	16	32	14	8.6	18	4.9	4.9	13
20	28	19	21	22	15	31	13	8.5	15	4.5	4.2	11
21	14	20	17	21	15	29	17	8.2	17	4.4	4.0	6.4
22	12	17	15	20	15	27	66	7.9	9.8	4.2	3.7	5.3
23	11	16	16	35	45	24	92	7.7	7.9	4.3	3.6	5.0
24	50	16	15	40	114	24	65	7.7	6.7	4.3	4.4	9.4
25	150	16	70	30	44	23	33	10	6.5	4.4	3.3	70
26	90	39	43	27	40	22	25	10	9.0	20	3.3	150
27	50	46	28	36	98	26	21	8.8	10	6.0	3.3	80
28	25	58	24	27	48	45	18	8.2	7.6	4.9	3.3	50
29	20	41	20	20	---	34	17	7.9	6.0	35	3.3	35
30	80	24	21	19	---	26	16	33	5.8	13	3.4	20
31	60	---	40	18	---	22	---	163	---	15	3.5	---
TOTAL	774.3	650	782	1165	790	3699	2101	652.9	321.9	218.8	147.7	575.2
MEAN	25.0	21.7	25.2	37.6	28.2	119	70.0	21.1	10.7	7.06	4.76	19.2
MAX	150	58	70	132	114	1520	836	163	23	35	15	150
MIN	7.4	15	15	18	15	22	13	7.7	5.8	4.1	3.3	3.3
CFSM	1.01	.88	1.02	1.52	1.14	4.82	2.83	.85	.43	.29	.19	.78
IN.	1.17	.98	1.18	1.75	1.19	5.57	3.16	.98	.48	.33	.22	.87
CAL YR 1976	TOTAL	11122.4	MEAN	30.4	MAX	431	MIN	4.8	CFSM	1.23	IN	16.75
WTR YR 1977	TOTAL	11877.8	MEAN	32.5	MAX	1520	MIN	3.3	CFSM	1.32	IN	17.89

TENNESSEE RIVER BASIN

03592800 YELLOW CREEK NEAR DOSKIE, MS

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

DRAINAGE AREA.--143 mi² (370 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1973 to current year. Nov. 13, 1937 through 1959 (corrected), in reports of Tennessee Valley Authority.

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

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,100 ft³/s (343 m³/s) Jan. 11, 1974, gage height, 12.59 ft (3.837 m); minimum, 10.0 ft³/s (0.283 m³/s) Sept. 3, 1977.

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

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Mar. 4	1600	*5980	169	10.92	3.328	Apr. 4	2400	3650	103	10.28	3.133
Mar. 13	0015	2420	68.5	9.85	3.002						

Minimum discharge, 10.0 ft³/s (0.283 m³/s) Sept. 3; minimum gage height, 2.46 ft (0.750 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	134	109	106	99	213	107	99	157	27	88	13
2	34	100	115	85	96	162	130	88	73	31	44	13
3	33	89	99	90	100	510	363	188	53	24	29	11
4	31	80	91	120	107	4840	2540	556	44	22	24	13
5	28	72	84	185	102	3360	3130	266	40	21	23	18
6	85	72	86	233	86	1140	1410	141	38	19	21	25
7	56	69	139	330	81	608	691	108	41	18	20	28
8	43	68	101	175	81	372	420	91	37	18	19	28
9	40	64	81	510	84	268	281	84	36	19	19	22
10	37	67	81	701	85	218	220	68	33	23	18	20
11	35	71	86	262	86	221	178	63	31	22	21	18
12	33	81	236	176	195	1670	154	58	29	21	18	18
13	35	70	160	151	158	1840	141	54	38	19	17	30
14	32	81	110	775	114	787	128	51	61	18	23	114
15	31	89	105	793	98	486	113	47	53	17	29	74
16	31	72	94	354	88	317	101	45	48	19	26	39
17	38	67	85	180	87	248	91	43	64	18	69	30
18	35	66	79	140	87	221	84	42	93	19	51	26
19	36	65	76	125	83	177	80	39	78	19	21	46
20	92	72	85	116	79	182	77	37	54	21	15	45
21	61	79	78	112	77	156	88	36	72	19	13	30
22	45	68	69	110	79	146	864	35	44	38	12	24
23	41	63	70	176	177	128	547	33	35	28	12	22
24	387	63	69	222	840	124	501	33	30	26	12	46
25	1210	63	361	184	381	120	450	36	27	22	12	444
26	699	130	333	152	222	111	257	39	30	48	12	1300
27	232	244	155	188	662	132	176	36	60	25	12	836
28	108	209	125	152	338	255	141	34	45	20	14	446
29	95	230	103	111	---	212	123	32	30	129	15	271
30	505	117	98	113	---	141	114	110	20	72	15	215
31	335	---	198	97	---	113	---	636	---	65	14	---
TOTAL	4543	2815	3761	7264	4772	19478	13700	3228	1494	907	738	4265
MEAN	147	93.8	121	234	170	628	457	104	49.8	29.3	23.8	142
MAX	1210	244	361	793	840	4840	3130	636	157	129	88	1300
MIN	28	63	69	85	77	111	77	32	20	17	12	11
CFSM	1.03	.66	.85	1.64	1.19	4.39	3.20	.73	.35	.21	.17	.99
IN.	1.18	.73	.98	1.89	1.24	5.07	3.56	.84	.39	.24	.19	1.11

CAL YR 1976	TOTAL	66393	MEAN 181	MAX	1750	MIN 14	CFSM 1.27	IN 17.27
WTR YR 1977	TOTAL	66965	MEAN 183	MAX	4840	MIN 11	CFSM 1.28	IN 17.42

03592800 YELLOW CREEK NEAR DOSKIE, MS--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 1973 to current year.

pH: AUGUST 1973 to current year.

WATER TEMPERATURE: August 1973 to current year.

TURBIDITY: November 1975 to current year.

DISSOLVED OXYGEN: August 1973 to current year.

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

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

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

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

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

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

TURBIDITY: Maximum, 400 NTU Mar. 20, 1976; minimum, 10 NTU Apr. 3, 1974.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL.- 7UM-MF (COL./ 100 ML)
OCT 13...	0900	36	25	6.1	12.5	60	10	9.2	3	2.1	<14	<14
NOV 09...	1200	63	34	6.2	6.0	50	9.0	9.9	6	2.5	330	853
DEC 07...	1100	151	25	6.4	7.0	50	9.0	11.1	11	2.4	--	<7
JAN 04...	1300	112	28	6.2	2.0	30	7.0	12.1	8	2.5	160	<7
FEB 09...	1120	164	21	6.1	2.0	20	6.0	12.6	3	2.9	840	<7
MAR 08...	1100	364	21	5.7	8.5	40	25	10.0	11	1.2	260	<3
APR 13...	1330	138	24	5.6	17.5	60	20	9.4	10	1.1	530	<7
MAY 11...	1230	62	--	--	--	100	25	--	13	1.5	800	<7
JUN 08...	1300	34	36	6.4	19.0	100	5.0	8.4	9	1.7	630	<14
JUL 06...	1045	17	31	6.4	24.5	80	10	7.8	9	1.0	1500	<14
AUG 02...	1300	43	27	6.4	22.0	140	15	7.9	--	1.3	930	--
SEP 07...	1100	29	23	6.6	23.0	130	30	6.7	15	1.4	1300	<14

DATE	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)
OCT 13...	8	0	2.3	.6	10	0	8	13	1.7	1.6	35	.05
NOV 09...	9	1	2.4	.7	10	0	8	10	3.3	2.5	32	.04
DEC 07...	9	0	2.2	.9	14	0	11	8.9	3.7	2.1	33	.04
JAN 04...	7	0	1.7	.6	13	0	11	13	3.7	2.1	34	.05
FEB 09...	7	1	1.7	.7	8	0	7	10	3.1	1.8	24	.03
MAR 08...	3	0	1.2	.1	8	0	7	26	3.8	1.8	28	.04
APR 13...	5	0	.9	.7	10	0	8	40	2.4	1.8	31	.04
MAY 11...	13	1	3.1	1.3	15	--	12	--	3.3	2.2	29	.04
JUN 08...	10	1	2.7	.9	12	0	10	7.6	6.3	3.3	42	.06
JUL 06...	12	0	3.1	1.1	19	0	16	12	2.0	1.8	38	.05
AUG 02...	8	2	2.2	.7	8	0	7	5.1	9.9	5.7	36	.05
SEP 07...	7	0	1.5	.8	12	0	10	4.8	1.3	1.6	30	.04

TENNESSEE RIVER BASIN

03592800 YELLOW CREEK NEAR DOSKIE, MS--CONTINUED

DATE	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)
OCT 13...	3.40	.03	.01	.04	.01	.22	.23	.27	1.2	.02	.01
NOV 09...	5.44	.03	.00	.03	.00	.26	.26	.29	1.3	.02	.00
DEC 07...	13.5	.07	.01	.08	.01	.19	.20	.28	1.2	.03	.00
JAN 04...	10.3	.07	.00	.07	.02	.16	.18	.25	1.1	.01	.00
FEB 09...	10.6	.00	.00	.00	.04	.07	.11	.11	.49	.00	.00
MAR 08...	27.5	.10	.01	.11	.01	.06	.07	.18	.80	.02	.01
APR 13...	11.6	.06	.01	.07	.02	.21	.23	.30	1.3	.03	.02
MAY 11...	4.85	.09	.01	.10	.08	.31	.39	.49	2.2	.03	.00
JUN 08...	3.86	.10	.01	.11	.06	.22	.28	.39	1.7	.03	.01
JUL 06...	1.74	.14	.01	.15	.05	.05	.10	.25	1.1	.03	.00
AUG 02...	4.18	.07	.01	.08	.03	.35	.38	.46	2.0	.04	.01
SEP 07...	2.35	.06	.00	.06	.02	.29	.31	.37	1.6	.03	.01

DATE	TOTAL ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	TOTAL ZINC (ZN) (UG/L)	PHENOLS (UG/L)
OCT 13...	1	1	20	0	2300	2	160	20	1
JAN 04...	1	0	<10	3	1800	10	180	10	3
APR 13...	1	0	<10	23	2400	12	130	40	1
JUL 06...	2	0	10	6	2800	10	230	20	0

DATE	TIME	INSI- TANEOUS DIS- CHARGE (CFS)	SUS- PENDEO SEDI- MENT CHARGE (MG/L)	SUS- PENDEO SEDI- MENT DIS- CHARGE (T/DAY)
JUN 08...	1300	34	22	2.0
17...	0915	56	42	6.4
23...	1200	32	22	1.9
30...	1330	21	24	1.4
JUL 06...	1045	17	21	.96
20...	1200	18	35	1.7
27...	1615	20	79	4.3
AUG 02...	1300	43	33	3.8
11...	1600	22	27	1.6
24...	1100	12	49	1.6
SEP 01...	1500	14	20	.76
07...	1100	29	60	4.7
14...	1145	88	118	28
22...	1200	23	36	2.2
28...	1445	418	476	537

03592800 YELLOW CREEK NEAR DOSKIE, MS--CONTINUED

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	---	---	---	26	25	25	---	---	---
2	---	---	---	---	---	---	24	24	24	---	---	---
3	---	---	---	---	---	---	24	23	24	---	---	---
4	---	---	---	28	28	28	23	23	23	---	---	---
5	43	27	32	28	27	28	23	23	23	---	---	---
6	31	21	24	28	27	27	23	22	23	33	26	31
7	---	---	---	27	27	27	25	23	25	31	27	29
8	---	---	---	27	26	27	25	24	25	---	---	---
9	---	---	---	27	25	26	24	23	23	---	---	---
10	---	---	---	26	24	25	23	22	23	---	---	---
11	---	---	---	26	20	24	25	22	23	---	---	---
12	26	24	25	---	---	---	31	25	29	---	---	---
13	---	---	---	22	21	22	30	27	28	---	---	---
14	---	---	---	22	21	21	26	25	26	---	---	---
15	---	---	---	22	21	21	25	24	24	---	---	---
16	---	---	---	22	21	21	24	23	24	---	---	---
17	---	---	---	21	21	21	24	22	23	---	---	---
18	---	---	---	21	20	21	23	22	22	---	---	---
19	---	---	---	21	20	20	22	22	22	---	---	---
20	26	23	25	21	20	20	22	22	22	---	---	---
21	27	25	26	22	20	21	23	22	22	---	---	---
22	25	23	24	21	21	21	24	22	23	---	---	---
23	24	23	24	21	20	20	23	22	22	---	---	---
24	---	---	---	20	20	20	22	22	22	---	---	---
25	---	---	---	20	19	20	29	21	26	25	24	24
26	---	---	---	24	19	21	28	27	28	---	---	---
27	---	---	---	27	25	26	---	---	---	---	---	---
28	30	30	30	29	24	26	---	---	---	---	---	---
29	31	30	30	29	26	28	---	---	---	---	---	---
30	---	---	---	27	25	26	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	31	23	24	24	23	23	25	23	23
2	---	---	---	28	23	24	29	22	23	24	23	24
3	22	21	22	29	22	25	32	24	26	---	---	---
4	22	21	22	---	---	---	28	22	24	---	---	---
5	22	21	21	---	---	---	24	22	23	---	---	---
6	22	21	22	---	---	---	25	21	23	---	---	---
7	23	21	22	---	---	---	22	20	21	---	---	---
8	24	21	22	21	21	21	21	20	20	---	---	---
9	22	21	21	---	---	---	21	20	21	---	---	---
10	22	21	22	23	21	22	22	21	21	30	28	29
11	22	21	22	23	21	22	22	21	21	30	29	29
12	26	21	24	---	---	---	22	21	22	30	29	29
13	26	25	26	---	---	---	23	22	22	---	---	---
14	25	24	25	---	---	---	23	22	23	---	---	---
15	26	24	25	---	---	---	24	23	23	---	---	---
16	27	25	26	23	22	22	24	23	23	---	---	---
17	26	24	25	25	22	23	24	23	23	---	---	---
18	25	24	25	27	22	23	24	22	23	---	---	---
19	25	24	25	23	22	22	25	23	24	---	---	---
20	26	25	25	23	22	23	---	---	---	---	---	---
21	26	24	25	---	---	---	25	24	24	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	32	30	31
27	---	---	---	---	---	---	---	---	---	34	32	33
28	26	24	25	---	---	---	23	22	22	34	32	34
29	---	---	---	---	---	---	22	22	22	34	31	33
30	---	---	---	23	22	23	24	22	23	---	---	---
31	---	---	---	24	23	23	---	---	---	---	---	---

TENNESSEE RIVER BASIN

03592800 YELLOW CREEK NEAR DOSKIE, MS--CONTINUED

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C): WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	32	24	29	21	19	21	30	27	29
2	---	---	---	29	24	27	22	21	21	29	27	28
3	---	---	---	31	29	30	25	22	23	29	24	27
4	---	---	---	31	30	30	28	21	26	30	27	29
5	---	---	---	33	29	31	28	22	25	33	25	29
6	---	---	---	31	29	30	30	25	27	28	26	27
7	---	---	---	32	29	31	34	29	32	27	22	24
8	---	---	---	33	30	31	31	24	27	26	24	25
9	25	24	24	35	31	33	---	---	---	27	25	26
10	26	22	24	36	28	32	---	---	---	28	27	27
11	27	23	25	30	28	29	30	24	26	27	25	26
12	28	24	26	31	28	30	29	26	27	27	25	26
13	29	21	26	31	29	30	29	27	28	27	26	26
14	23	20	22	31	28	30	30	18	25	23	19	21
15	20	20	20	31	28	30	21	18	20	24	22	23
16	20	20	20	30	27	28	24	21	23	30	25	27
17	20	19	20	29	27	28	26	17	23	31	28	30
18	21	19	19	30	27	28	---	---	---	29	27	28
19	21	18	20	30	27	29	---	---	---	28	19	23
20	22	20	21	28	26	27	---	---	---	29	21	25
21	22	18	20	29	23	28	---	---	---	30	28	29
22	23	22	22	22	18	21	---	---	---	31	27	29
23	24	22	23	24	22	23	---	---	---	31	27	28
24	26	22	23	24	22	23	30	27	28	31	19	27
25	29	23	26	25	21	24	31	28	29	27	17	21
26	28	22	25	23	20	21	30	26	28	---	---	---
27	29	24	25	23	21	21	29	27	28	---	---	---
28	28	24	26	24	22	23	30	28	28	---	---	---
29	31	26	28	22	18	21	29	26	28	29	26	27
30	31	27	30	22	20	21	30	28	29	31	28	29
31	---	---	---	22	19	21	30	27	29	---	---	---

03592800 YELLOW CREEK NEAR DOSKIE, MS--CONTINUED

PH (UNITS), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

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

03592800 YELLOW CREEK NEAR DOSKIE, MS--CONTINUED

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	---	---	---	5.0	2.5	3.5	---	---	---
2	---	---	---	---	---	---	5.5	4.0	4.5	---	---	---
3	---	---	---	---	---	---	5.0	3.0	4.0	---	---	---
4	---	---	---	8.5	7.0	8.0	6.0	3.5	4.5	---	---	---
5	---	---	---	7.0	5.5	6.5	6.5	4.0	5.0	---	---	---
6	---	---	---	7.5	4.5	6.5	7.5	5.5	6.0	3.5	3.5	3.5
7	---	---	---	8.5	6.5	7.5	7.5	5.5	7.0	4.0	3.5	3.5
8	---	---	---	7.0	5.5	6.5	5.0	3.5	4.5	---	---	---
9	---	---	---	8.5	5.0	6.5	4.5	2.5	3.5	---	---	---
10	---	---	---	10.5	7.5	9.0	6.5	4.0	5.0	---	---	---
11	---	---	---	8.5	7.5	8.0	8.5	6.5	7.5	---	---	---
12	14.0	12.5	13.5	---	---	---	9.5	8.5	9.0	---	---	---
13	---	---	---	6.5	5.0	6.0	9.0	6.5	7.5	---	---	---
14	---	---	---	7.0	6.0	6.5	6.5	4.5	6.0	---	---	---
15	---	---	---	8.5	7.0	7.5	8.0	6.0	7.0	---	---	---
16	---	---	---	8.5	6.0	7.5	7.0	5.5	6.0	---	---	---
17	---	---	---	8.5	6.0	7.5	7.0	4.5	5.5	---	---	---
18	---	---	---	9.0	6.0	7.5	8.0	5.5	6.5	---	---	---
19	---	---	---	9.5	8.0	9.0	9.5	6.5	8.0	---	---	---
20	11.5	10.5	11.0	10.5	9.5	10.0	9.5	5.5	8.0	---	---	---
21	10.0	8.5	9.5	9.0	7.0	8.0	5.0	2.0	3.5	---	---	---
22	10.5	7.5	9.0	7.0	5.0	6.0	2.0	1.0	1.5	---	---	---
23	11.5	9.5	10.5	5.5	3.5	5.0	3.5	1.0	2.0	---	---	---
24	---	---	---	7.5	5.0	6.5	3.0	1.0	2.0	---	---	---
25	---	---	---	9.0	6.0	7.5	4.5	2.5	4.0	3.0	1.5	2.5
26	---	---	---	12.0	9.0	10.5	5.0	4.0	4.5	---	---	---
27	---	---	---	13.5	11.5	12.5	---	---	---	---	---	---
28	10.0	9.0	9.5	11.5	5.0	8.0	---	---	---	---	---	---
29	9.5	8.0	9.0	4.5	3.0	4.0	---	---	---	---	---	---
30	---	---	---	3.5	1.5	2.5	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	9.5	6.0	7.5	15.0	13.0	13.5	18.5	16.5	17.5
2	---	---	---	9.5	6.5	8.0	18.0	14.0	16.0	18.0	17.0	17.5
3	4.0	2.5	3.5	9.5	9.0	9.0	17.0	14.5	15.5	---	---	---
4	5.5	3.0	4.5	---	---	---	15.0	14.0	14.5	---	---	---
5	5.0	3.5	4.5	---	---	---	14.5	11.5	12.5	---	---	---
6	3.5	1.5	2.5	---	---	---	13.5	10.5	12.0	---	---	---
7	3.0	1.0	1.5	---	---	---	16.0	11.0	13.5	---	---	---
8	2.5	0.5	1.5	9.0	7.0	8.0	16.5	13.5	15.5	---	---	---
9	4.0	0.5	2.5	---	---	---	16.5	13.0	15.0	---	---	---
10	5.5	2.0	3.5	12.0	9.5	11.5	17.5	14.0	15.5	17.0	16.0	17.0
11	6.0	3.5	5.0	13.0	12.0	12.5	18.0	14.5	16.5	17.0	14.5	16.0
12	7.5	6.0	6.5	---	---	---	18.5	15.5	17.0	16.5	14.5	15.5
13	7.5	5.5	6.5	---	---	---	18.5	16.0	17.5	---	---	---
14	7.5	4.5	6.0	---	---	---	19.0	16.0	17.5	---	---	---
15	6.0	4.5	5.5	---	---	---	18.5	16.0	17.5	---	---	---
16	4.0	2.5	3.5	15.0	13.0	14.0	19.0	16.0	17.5	---	---	---
17	5.5	2.5	4.0	12.5	11.5	12.0	19.0	16.5	17.5	---	---	---
18	7.5	4.5	6.0	16.0	13.0	14.5	18.5	17.0	18.0	---	---	---
19	7.0	5.5	6.5	15.0	13.0	13.5	19.0	17.5	18.0	---	---	---
20	5.5	3.5	4.5	12.5	11.0	11.5	---	---	---	---	---	---
21	5.5	2.5	4.0	---	---	---	18.0	17.5	18.0	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	21.0	20.0	20.5
27	---	---	---	---	---	---	---	---	---	21.5	20.0	21.0
28	8.5	7.0	8.0	---	---	---	17.0	15.5	16.5	22.0	20.5	21.0
29	---	---	---	---	---	---	17.5	16.5	17.0	22.5	20.5	21.5
30	---	---	---	20.5	16.5	18.5	18.5	16.5	17.5	---	---	---
31	---	---	---	18.0	15.0	16.5	---	---	---	---	---	---

03592800 YELLOW CREEK NEAR DOSKIE, MS--CONTINUED

TURBIDITY (NTU), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	---	---	---	45	35	40	---	---	---	35	25	30
2	---	---	---	45	35	35	---	---	---	30	25	25
3	25	20	20	75	20	30	55	25	35	500	25	90
4	25	25	25	---	---	---	---	---	---	320	75	140
5	30	25	25	---	---	---	---	---	---	65	40	50
6	25	20	20	---	---	---	95	35	55	45	35	40
7	25	20	20	---	---	---	55	30	35	40	35	35
8	25	20	20	75	35	40	30	25	25	45	35	40
9	25	20	20	---	---	---	---	---	---	50	35	40
10	25	15	20	170	40	65	---	---	---	40	30	35
11	20	8	10	65	40	45	---	---	---	45	40	40
12	95	15	45	---	---	---	45	30	35	40	35	40
13	50	20	30	---	---	---	40	30	35	---	---	---
14	20	10	15	---	---	---	40	35	35	---	---	---
15	---	---	---	---	---	---	50	30	35	---	---	---
16	---	---	---	50	40	45	40	35	35	---	---	---
17	---	---	---	45	35	40	40	30	35	---	---	---
18	---	---	---	60	35	40	35	30	35	---	---	---
19	---	---	---	---	---	---	35	30	30	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	40	35	35	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	50	45	45
27	---	---	---	---	---	---	---	---	---	50	45	45
28	70	40	50	---	---	---	50	35	40	45	40	45
29	---	---	---	---	---	---	40	35	35	45	40	45
30	---	---	---	50	35	40	40	35	35	---	---	---
31	---	---	---	35	30	30	---	---	---	---	---	---
JUNE				JULY			AUGUST			SEPTEMBER		
1	---	---	---	130	35	50	---	---	---	45	15	30
2	---	---	---	75	35	45	55	40	45	40	35	35
3	---	---	---	35	30	35	45	35	40	40	30	35
4	---	---	---	35	35	35	55	40	45	40	30	35
5	---	---	---	45	25	30	---	---	---	55	25	35
6	---	---	---	35	25	30	60	40	45	45	20	35
7	---	---	---	35	30	30	65	40	50	55	40	45
8	---	---	---	30	20	30	55	35	45	60	35	40
9	35	30	30	30	20	25	---	---	---	40	35	40
10	35	30	35	35	20	30	---	---	---	40	35	35
11	35	30	35	35	20	30	---	---	---	50	30	35
12	35	35	35	35	20	30	45	30	35	45	30	35
13	160	35	50	35	20	25	40	25	30	---	---	---
14	140	50	80	35	10	25	---	---	---	350	95	180
15	45	35	40	35	20	30	---	---	---	130	65	90
16	45	35	40	35	20	30	---	---	---	70	55	60
17	55	40	45	35	20	30	---	---	---	60	50	55
18	110	50	65	35	20	30	---	---	---	50	45	50
19	140	45	75	35	20	30	---	---	---	330	45	120
20	60	45	45	35	30	35	---	---	---	90	50	65
21	110	60	80	40	30	35	---	---	---	50	40	45
22	60	40	45	100	50	65	---	---	---	50	40	45
23	45	35	40	---	---	---	---	---	---	45	40	45
24	40	35	35	---	---	---	45	35	40	250	40	80
25	40	35	35	---	---	---	50	40	45	850	75	230
26	40	35	35	---	---	---	55	40	45	---	---	---
27	45	35	35	---	---	---	50	35	40	---	---	---
28	35	35	35	55	30	40	40	15	35	---	---	---
29	40	35	35	---	---	---	200	15	45	---	---	---
30	60	35	35	---	---	---	400	25	210	---	---	---
31	---	---	---	---	---	---	120	20	45	---	---	---

03592800 YELLOW CREEK NEAR DOSKIE, MS--CONTINUED

DISSOLVED OXYGEN (DO), MG/L, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	11.3	10.4	10.7	---	---	---	---	---	---
5	---	---	---	11.0	10.4	10.7	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	13.0	10.5	12.6
7	---	---	---	---	---	---	---	---	---	12.6	10.8	12.1
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	12.0	11.0	11.5	---	---	---
11	---	---	---	---	---	---	10.9	9.9	10.4	---	---	---
12	10.4	9.3	9.9	---	---	---	9.8	9.5	9.6	---	---	---
13	---	---	---	12.2	11.5	11.9	10.4	9.6	10.1	---	---	---
14	---	---	---	11.5	10.6	11.1	11.1	10.2	10.7	---	---	---
15	---	---	---	10.8	10.2	10.3	10.3	9.6	10.0	---	---	---
16	---	---	---	10.8	10.2	10.5	10.5	9.8	10.2	---	---	---
17	---	---	---	10.8	10.3	10.6	10.8	10.0	10.4	---	---	---
18	---	---	---	11.3	10.6	10.9	---	---	---	---	---	---
19	---	---	---	11.1	10.4	10.8	---	---	---	---	---	---
20	10.8	9.9	10.3	10.4	10.1	10.2	---	---	---	---	---	---
21	11.5	10.5	11.1	10.6	10.1	10.4	12.6	11.3	12.2	---	---	---
22	11.7	9.4	10.8	10.9	10.5	10.7	12.8	12.5	12.7	---	---	---
23	---	---	---	11.0	10.5	10.8	12.6	12.1	12.4	---	---	---
24	---	---	---	---	---	---	12.5	11.9	12.2	---	---	---
25	---	---	---	---	---	---	11.9	11.1	11.4	12.6	11.8	12.2
26	---	---	---	---	---	---	11.5	11.2	11.4	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	11.9	10.3	11.5	---	---	---	---	---	---	---	---	---
29	11.3	9.2	10.3	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	11.0	10.1	10.6	8.9	8.1	8.5	---	---	---
2	---	---	---	11.3	10.0	10.5	---	---	---	---	---	---
3	12.8	11.1	12.1	10.1	9.5	9.8	---	---	---	---	---	---
4	11.1	10.2	10.7	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	9.1	8.2	8.9	---	---	---
7	---	---	---	---	---	---	9.9	8.8	9.4	---	---	---
8	---	---	---	10.4	9.2	9.7	9.8	8.9	9.3	---	---	---
9	---	---	---	---	---	---	9.8	8.8	9.3	---	---	---
10	---	---	---	10.7	9.7	10.3	9.2	8.8	9.0	9.8	9.3	9.5
11	11.9	10.8	11.6	10.0	9.6	9.8	---	---	---	9.7	9.3	9.5
12	---	---	---	---	---	---	---	---	---	9.6	9.4	9.5
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	9.8	8.8	9.3	---	---	---
15	---	---	---	---	---	---	9.6	8.7	9.2	---	---	---
16	---	---	---	9.9	9.5	9.7	9.1	7.9	8.6	---	---	---
17	---	---	---	10.2	9.5	9.8	8.1	7.1	7.7	---	---	---
18	---	---	---	---	---	---	7.2	6.0	6.7	---	---	---
19	---	---	---	---	---	---	6.1	5.6	5.8	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	8.7	8.3	8.6	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	8.1	7.2	7.6
27	---	---	---	---	---	---	---	---	---	7.5	7.0	7.3
28	11.3	10.6	10.8	---	---	---	8.9	8.1	8.5	7.2	6.8	7.0
29	---	---	---	---	---	---	9.6	7.9	8.6	7.1	6.5	6.8
30	---	---	---	8.3	7.5	8.1	---	---	---	---	---	---
31	---	---	---	8.7	7.7	8.2	---	---	---	---	---	---

TENNESSEE RIVER BASIN

03592800 YELLOW CREEK NEAR DOSKIE, MS--CONTINUED

DISSOLVED OXYGEN (DO), MG/L, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	8.0	7.7	7.8	---	---	---	7.0	6.1	6.7
2	---	---	---	8.0	7.5	7.7	8.4	7.9	8.2	6.8	6.4	6.5
3	---	---	---	8.2	7.2	7.7	8.2	7.4	7.8	6.7	5.8	6.4
4	---	---	---	7.4	6.7	7.1	7.5	7.0	7.4	6.1	5.2	5.7
5	---	---	---	7.0	6.5	6.8	7.4	6.8	7.1	6.9	5.3	5.8
6	---	---	---	7.4	6.9	7.1	6.9	6.4	6.8	6.4	5.9	6.3
7	---	---	---	7.1	6.3	6.7	6.5	6.1	6.3	7.1	6.2	6.5
8	---	---	---	7.1	6.6	6.9	6.5	5.9	6.2	6.7	6.2	6.5
9	8.5	7.9	8.2	7.4	6.0	6.7	---	---	---	6.6	6.2	6.4
10	8.7	7.8	8.4	6.7	6.2	6.5	---	---	---	6.4	6.1	6.2
11	8.4	7.6	8.1	6.8	6.1	6.5	---	---	---	6.8	6.2	6.5
12	8.2	7.4	7.9	6.9	6.2	6.6	7.3	6.8	7.0	6.7	5.9	6.4
13	8.0	7.4	7.8	6.7	6.3	6.5	7.0	6.6	6.8	6.0	5.8	5.9
14	8.3	7.8	8.1	6.9	6.4	6.7	7.2	5.8	6.5	6.9	5.8	6.4
15	8.5	8.2	8.4	6.9	6.5	6.7	---	---	---	7.4	6.0	6.8
16	8.5	7.9	8.3	7.1	6.6	6.9	---	---	---	7.2	6.8	7.1
17	8.3	8.1	8.1	7.0	6.5	6.9	---	---	---	7.1	6.9	7.0
18	8.2	7.4	7.9	7.2	6.4	7.0	---	---	---	7.5	7.0	7.3
19	8.2	7.4	7.7	6.8	6.5	6.6	---	---	---	8.0	7.4	7.7
20	8.2	7.4	7.8	6.8	6.4	6.7	---	---	---	8.0	7.3	7.6
21	8.0	7.1	7.5	6.9	6.4	6.7	---	---	---	8.1	7.3	7.7
22	7.8	7.4	7.6	6.9	6.6	6.8	---	---	---	7.9	7.1	7.6
23	8.1	7.8	8.0	7.0	6.4	6.7	---	---	---	7.6	7.0	7.3
24	7.4	6.8	7.2	6.9	6.4	6.6	7.2	6.8	7.0	7.7	7.1	7.3
25	7.3	6.7	7.1	6.7	6.2	6.6	7.2	6.6	6.9	8.0	7.7	7.9
26	7.5	6.7	7.2	6.6	6.0	6.3	7.2	6.7	7.0	---	---	---
27	7.9	7.1	7.4	---	---	---	7.0	6.7	6.9	---	---	---
28	7.8	7.3	7.5	7.5	7.2	7.4	7.3	6.6	7.0	---	---	---
29	7.7	7.1	7.5	7.4	7.2	7.3	7.1	6.6	6.8	8.7	7.9	8.3
30	8.4	7.2	7.6	---	---	---	7.0	6.4	6.8	8.6	7.4	8.1
31	---	---	---	---	---	---	7.0	6.3	6.7	---	---	---

TENNESSEE RIVER BASIN

141

03592825 YELLOW CREEK AT CROSS ROADS, MS

LOCATION.--Lat 34°54'53", long 88°14'44", in SE¼ sec.9, T.2 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 06030005, in Yellow Creek Embayment of Pickwick Lake, at bridge on State Highway 25, 0.9 mi (1.4 km) southeast of Cross Roads, and at mile 11.0 (17.7 km).

DRAINAGE AREA.--165 mi² (427 km²)

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

REMARKS.--Stage-discharge relation not determined due to backwater from Pickwick Lake.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
OCT 05...	1000	90	6.9	22.0	6.0	8.0	8	2.5	37	6	11
NOV 09...	1300	40	7.0	6.0	15	10.6	6	2.2	10	0	2.8
DEC 07...	1200	35	6.2	6.0	8.0	11.5	6	1.9	11	3	2.7
JAN 04...	1145	38	6.4	2.0	6.0	11.9	16	3.2	11	2	2.6
FEB 09...	1245	41	6.7	2.0	8.0	11.6	31	3.0	10	0	2.4
MAR 08...	1200	34	6.0	8.5	45	10.3	15	2.1	5	0	2.0
APR 13...	1130	44	6.0	18.0	20	7.9	10	1.3	10	0	2.5
MAY 11...	1145	--	--	--	25	--	30	2.4	20	12	4.0
JUN 08...	1200	60	7.2	25.0	2.0	8.1	10	2.4	30	8	9.0
JUL 06...	1145	90	6.9	33.0	3.0	6.3	13	1.6	42	7	13
AUG 02...	1130	95	7.5	28.0	3.0	7.2	--	2.6	39	0	12
SEP 07...	1200	110	7.4	27.0	35	7.6	15	1.7	36	2	10

DATE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LITY AS CACO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	VOL. NON- FILT- RABLE RESIDUE (MG/L)
OCT 05...	2.3	38	0	31	7.7	7.7	3.8	62	.08	17	7
NOV 09...	.8	14	0	11	2.2	3.7	2.4	24	.03	11	15
DEC 07...	1.1	10	0	8	10	4.7	2.6	37	.05	11	0
JAN 04...	1.0	10	0	8	6.4	5.2	2.8	40	.05	3	0
FEB 09...	1.0	15	0	12	4.8	4.1	2.4	30	.04	1	0
MAR 08...	.1	9	0	7	14	4.6	1.8	36	.05	264	18
APR 13...	.8	12	0	10	19	3.2	1.8	32	.04	24	2
MAY 11...	2.5	10	--	8	--	4.2	2.2	34	.05	28	1
JUN 08...	1.9	27	0	22	2.7	5.6	2.8	54	.07	1	0
JUL 06...	2.4	43	0	35	8.7	6.4	3.6	67	.09	5	0
AUG 02...	2.3	52	0	43	2.6	7.0	3.5	61	.08	20	5
SEP 07...	2.7	42	0	34	2.7	7.0	4.5	67	.09	56	3

TENNESSEE RIVER BASIN

03592825 YELLOW CREEK AT CROSS ROADS, MS--CONTINUED

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N03) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)
OCT										
05...	.00	.00	.00	.04	.30	.34	.34	1.5	.04	.01
NOV										
09...	.02	.01	.03	.00	.18	.18	.21	.93	.02	.01
DEC										
07...	.09	.00	.09	.01	.22	.23	.32	1.4	.02	.00
JAN										
04...	.11	.00	.11	.04	.16	.20	.31	1.4	.02	.01
FEB										
09...	.12	.00	.12	.06	.14	.20	.32	1.4	.01	.00
MAR										
08...	.11	.01	.12	.03	.58	.61	.73	3.2	.09	.01
APR										
13...	.08	.01	.09	.06	.25	.31	.40	1.8	.04	.01
MAY										
11...	.07	.01	.08	.13	.43	.56	.64	2.8	.06	.01
JUN										
08...	.06	.00	.06	.08	.26	.34	.40	1.8	.04	.01
JUL										
06...	.01	.00	.01	.04	.29	.33	.34	1.5	.01	.00
AUG										
02...	.01	.00	.01	.04	.43	.47	.48	2.1	.04	.01
SEP										
07...	.00	.01	.01	.05	.33	.38	.39	1.7	.06	.01

DATE	TOTAL ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)	PHENOLS (UG/L)
OCT										
05...	1	0	10	1	1100	0	120	.0	10	0
JAN										
04...	1	0	10	11	2100	13	240	.0	20	3
APR										
13...	1	0	10	14	2300	24	190	.0	20	1
JUL										
06...	2	0	10	7	1000	7	60	.0	50	0

DATE	TIME	SUS- PENDEED SEDI- MENT (MG/L)
OCT		
05...	1000	94
NOV		
09...	1300	60
FEB		
09...	1245	126
MAR		
08...	1200	18
APR		
13...	1130	93
MAY		
11...	1145	31
JUN		
08...	1200	15
JUL		
06...	1145	28
12...	0900	24
20...	1100	34
27...	1700	24
AUG		
02...	1130	36
11...	1630	28
23...	1545	24
SEP		
01...	1600	18
07...	1200	151
14...	1230	306
22...	1230	44
28...	1530	340

MISSISSIPPI RIVER MAIN STEM

07032000 MISSISSIPPI RIVER AT MEMPHIS, TN

LOCATION.--Lat 35°07'37", long 90°04'25", Shelby County, Hydrologic Unit 08010100, on left bank 50 ft (15 m) downstream from Harahan Bridge at Memphis, 1.3 mi (2.1 km) downstream from Beale Street gage, 3.5 mi (5.6 km) downstream from Wolf River, 62.4 mi (100.4 km) upstream from St. Francis River, and at mile 734.8 (1,182.3 km).

DRAINAGE AREA.--932,800 mi² (2,416,000 km²), approximately.

PERIOD OF RECORD.--Discharge: January 1933 to September 1976. Monthly discharge only for some periods, published in WSP 1311.

Gage heights: October 1934 to September 1951 and October 1952 to September 1976 in reports of Geological Survey. Since November 1871, at Beale Street gage, in reports of Mississippi River Commission, December 1890 to August 1932 at Beale Street gage, September 1932 to December 1934 at nonrecording gage 1,000 ft (305 m) downstream, and since December 1934 at water-stage recorder at present site, in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 183.91 ft (56.056 m) above mean sea level. Prior to Apr. 16, 1934, Beale Street nonrecording gage 1.3 mi (2.1 km) upstream at present datum. Apr. 16 to Dec. 21, 1934, nonrecording gage 1,000 ft (305 m) downstream at present datum.

REMARKS.--Flow regulated by many locks, dams, and reservoirs upstream.

COOPERATION.--Records furnished by Corps of Engineers.

AVERAGE DISCHARGE.--43 years, 471,000 ft³/s (13,300 m³/s), 341,100,000 acre-ft/yr (421 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 1,980,000 ft³/s (56,100 m³/s) Feb. 8, 1937, maximum gage height, 48.69 ft (14.841 m) Feb. 10, 1937, minimum discharge, 79,200 ft³/s (2,240 m³/s) Aug. 26, 1936, minimum gage height -5.35 ft (-1.631 m) Jan. 24, 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage prior to 1937, 46.55 ft (14.188 m) at Beale St. gage or about 45.2 ft (13.78 m) at present site.

EXTREMES FOR WATER YEAR 1976.--Maximum discharge, 860,000 ft³/s (24,400 m³/s) Feb. 28; maximum gage height, 25.79 ft (7.861 m) Mar. 1; minimum daily discharge, 138,000 ft³/s (3,910 m³/s) Sept. 16, 21.

NOTE.--Records for 1977 water year will be published in a subsequent report.

MISSISSIPPI RIVER MAIN STEM
07032000 MISSISSIPPI RIVER AT MEMPHIS, TN--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.50	10.90	8.40	15.40	16.20	25.80	20.60	13.70	5.70	8.20	4.20	-2.00
2	13.10	9.30	8.80	16.70	16.90	25.70	20.90	14.60	6.80	7.80	3.40	-1.90
3	12.60	8.30	9.40	17.70	17.40	25.60	21.20	15.20	8.10	7.70	2.60	-2.60
4	11.40	7.60	10.50	18.20	17.80	25.30	21.30	15.40	9.50	7.70	2.30	-2.50
5	9.70	6.60	12.40	19.00	17.80	25.20	21.50	15.40	11.40	8.30	2.70	-1.80
6	7.70	6.20	14.30	20.00	17.70	24.20	21.40	15.10	11.70	9.20	3.10	-2.60
7	6.10	5.80	15.20	21.00	17.00	23.20	21.30	14.60	12.20	10.30	3.20	-3.90
8	5.50	5.70	15.40	21.30	16.10	22.50	21.00	13.80	12.40	10.40	2.60	-4.40
9	5.10	5.20	15.00	21.60	14.60	22.50	20.30	13.00	12.00	9.80	1.30	-4.50
10	4.40	5.30	14.00	22.40	13.20	22.40	19.60	12.30	11.40	9.00	-4.0	-4.90
11	4.00	5.70	12.90	22.70	11.90	22.40	18.80	11.70	10.30	8.00	-0.90	-5.10
12	4.80	5.90	12.30	22.70	7.90	22.30	17.60	11.10	8.60	7.60	-0.60	-4.90
13	5.40	6.20	11.90	22.50	9.30	22.00	16.30	10.90	6.80	7.00	-0.50	-5.00
14	5.60	6.50	11.50	21.90	9.10	21.20	15.10	10.40	5.70	6.50	-0.70	-4.90
15	5.90	6.60	11.20	20.60	9.70	20.40	13.50	9.20	4.70	6.10	-0.80	-4.70
16	6.20	6.80	10.90	19.00	9.50	19.90	13.00	8.80	3.50	5.40	-1.10	-4.50
17	6.60	7.60	10.50	16.90	9.40	19.30	12.00	9.00	2.50	5.00	-2.10	-4.70
18	6.40	9.10	10.50	15.60	10.80	19.00	11.10	9.60	2.80	5.50	-1.90	-4.90
19	6.00	11.10	11.30	15.00	12.60	18.80	10.70	9.70	3.30	5.90	-1.20	-5.00
20	6.80	12.50	12.80	15.10	15.20	18.40	10.10	10.20	3.40	5.70	-0.60	-5.30
21	9.40	13.20	14.20	15.30	18.40	18.40	9.60	11.00	3.80	5.20	-0.20	-5.70
22	12.80	12.80	15.00	15.30	20.50	18.10	9.10	12.00	4.00	3.80	-0.40	-5.20
23	15.30	11.80	15.10	14.70	22.00	17.60	8.80	12.50	4.70	3.40	-0.40	-4.60
24	16.50	10.60	14.70	13.80	22.90	17.30	8.70	12.40	5.70	2.60	-1.80	-4.90
25	17.10	9.40	14.30	12.80	24.00	17.50	9.10	11.40	6.60	1.60	-1.70	-5.20
26	17.00	8.50	13.90	11.70	24.90	17.90	10.20	9.90	7.20	1.30	-2.90	-5.30
27	16.60	8.20	13.10	10.90	25.30	18.50	11.40	8.90	7.70	2.00	-3.40	-5.50
28	15.90	7.90	12.20	10.80	25.60	18.80	12.20	7.80	8.20	2.70	-3.50	-5.20
29	15.00	7.70	11.80	11.70	25.70	19.40	12.60	6.90	8.30	3.10	-3.30	-5.20
30	13.80	7.80	12.30	13.40	---	20.40	13.00	5.80	8.40	3.80	-2.80	-5.00
31	12.30	---	13.70	15.10	---	20.40	---	5.30	---	4.20	-2.60	---
MEAN	9.92	8.23	12.56	17.12	16.53	20.98	15.07	11.21	7.25	5.96	-0.23	-4.40
MAX	17.10	13.20	15.40	22.70	25.70	25.80	21.50	15.40	12.40	10.40	4.20	-1.80
MIN	4.00	5.20	8.40	10.80	7.90	17.30	8.70	5.30	2.50	1.30	-3.50	-5.70

CAL YR 1975 MEAN 16.82 MAX 40.30 MIN 1.70
WTR YR 1976 MEAN 10.02 MAX 25.80 MIN -5.70

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	458000	380000	373000	541000	566000	856000	732000	505000	300000	339000	294000	166000
2	469000	350000	383000	584000	580000	857000	743000	533000	324000	333000	276000	170000
3	451000	328000	397000	614000	590000	858000	742000	554000	358000	333000	262000	164000
4	410000	315000	428000	629000	597000	851000	735000	560000	390000	344000	255000	170000
5	361000	293000	483000	654000	589000	848000	730000	558000	437000	348000	260000	183000
6	317000	284000	540000	691000	592000	814000	717000	546000	443000	373000	264000	175000
7	291000	278000	568000	728000	576000	775000	713000	530000	450000	403000	263000	160000
8	285000	275000	574000	740000	551000	753000	700000	504000	454000	406000	251000	153000
9	281000	266000	562000	750000	509000	757000	676000	480000	443000	393000	228000	151000
10	272000	269000	528000	782000	472000	760000	652000	460000	422000	375000	202000	145000
11	268000	276000	492000	792000	441000	765000	625000	440000	391000	352000	192000	141000
12	281000	281000	475000	792000	391000	764000	589000	423000	346000	343000	196000	160000
13	292000	287000	462000	782000	374000	756000	545000	416000	307000	331000	196000	141000
14	294000	293000	451000	761000	366000	727000	508000	403000	284000	323000	191000	139000
15	300000	296000	441000	709000	382000	697000	466000	374000	264000	316000	189000	139000
16	304000	301000	431000	650000	376000	681000	455000	364000	243000	301000	184000	138000
17	306000	316000	419000	584000	371000	663000	432000	369000	230000	296000	169000	140000
18	299000	350000	418000	540000	407000	655000	408000	380000	233000	308000	171000	142000
19	291000	400000	441000	519000	456000	648000	404000	380000	241000	317000	181000	145000
20	307000	445000	478000	523000	535000	638000	392000	390000	242000	311000	189000	145000
21	368000	468000	514000	529000	627000	637000	379000	409000	247000	300000	200000	138000
22	456000	462000	533000	534000	693000	629000	369000	433000	252000	271000	191000	145000
23	520000	438000	529000	519000	740000	617000	362000	445000	264000	263000	191000	152000
24	557000	406000	517000	496000	771000	609000	361000	438000	283000	248000	184000	148000
25	576000	379000	503000	470000	808000	616000	374000	411000	300000	232000	171000	145000
26	569000	359000	492000	445000	840000	629000	404000	376000	313000	226000	157000	143000
27	556000	355000	470000	425000	854000	649000	438000	355000	230000	236000	153000	141000
28	534000	351000	446000	426000	860000	661000	461000	333000	335000	246000	153000	145000
29	500000	350000	432000	447000	859000	683000	473000	316000	339000	251000	158000	145000
30	465000	354000	449000	490000	---	722000	486000	295000	343000	290000	166000	147000
31	423000	---	488000	536000	---	723000	---	289000	---	295000	163000	---
TOTAL	12061000	10205000	14717000	18682000	16773000	22298000	16071000	13269000	9801000	9693000	6300000	4516000
MEAN	389100	340200	474700	602600	578400	719300	535700	428000	326700	312700	203200	150500
MAX	576000	468000	574000	792000	860000	858000	743000	560000	454000	406000	294000	183000
MIN	268000	266000	373000	425000	366000	609000	361000	289000	230000	226000	153000	138000
AC-FT	23920000	20240000	29190000	37060000	33270000	44230000	31880000	26320000	19440000	19230000	12500000	8957000
CAL YR 1975	TOTAL	235970000	MEAN	646500	MAX	1780000	MIN	227000	AC-FT	468000000		
WTR YR 1976	TOTAL	154386000	MEAN	421800	MAX	860000	MIN	138000	AC-FT	306200000		

07268000 LITTLE TALLAHATCHIE RIVER AT ETТА, MS

LOCATION.--Lat 34°29'00", long 89°13'30", in SE¼SW¼ sec.8, T.7 S., R.1 E., Chickasaw Meridian, Union County, Hydrologic Unit 08030201, on downstream side of right main pier of bridge on State Highway 30, 0.8 mi (1.3 km) northeast of Etta, 3.8 mi (6.1 km) upstream from Puskus Creek, 4 mi (6 km) downstream from Locks Creek, 13 mi (21 km) west of New Albany, and 55.0 mi (88.5 km) upstream from head of Panola-Quitman Floodway.

DRAINAGE AREA.--526 mi² (1,362 km²).

PERIOD OF RECORD.--September 1938 to current year. November 1936 to May 1937 (gage heights and discharge measurements only) in reports of Corps of Engineers, Vicksburg district. Prior to October 1971 published as Tallahatchie River at Etta.

REVISED RECORDS.--WSP 897: Drainage area. WSP 1211: 1948, 1949 (M).

GAGE.--Water-stage recorder. Datum of gage is 273.48 ft (83.357 m) above mean sea level (levels by Corps of Engineers). Nov. 23, 1936, to May 31, 1937, nonrecording gage at same site at datum 5.33 ft (1.625 m) higher. Sept. 24, 1938, to Mar. 16, 1939, nonrecording gage; Mar. 17, 1939, to Aug. 25, 1952, water-stage recorder; and Aug. 26, 1952, to June 22, 1953, nonrecording gage; all at same site. Sept. 24, 1938, to Sept. 30, 1952, at datum 5.00 ft (1.524 m) higher.

REMARKS.--Records fair except those for periods of doubtful or no gage-height record, Mar. 3-8 and June 29 to Aug. 4, which are poor.

AVERAGE DISCHARGE.--39 years, 835 ft³/s (23.65 m³/s), 21.56 in/yr (548 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 79,000 ft³/s (2,240 m³/s) Mar. 22, 1955, gage height, 29.32 ft (8.937 m); minimum, 4.1 ft³/s (0.12 m³/s) Oct. 3, 16, 1938.

EXTREMES FOR CURRENT YEAR. Peak discharges above base of 16,000 ft³/s (953 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar. 4	1700	*35900	1020	Apr. 5	Unknown	31000	878
Mar. 12	1545	25500	722				^a 26.08 7.949
			25.29 7.708				

^aFrom floodmark.

Minimum daily discharge recorded, 18 ft³/s (0.51 m³/s) Aug. 31 to Sept. 4, Sept. 12, 13, but may have been less during period of no gage-height record in July.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	114	183	328	174	420	450	190	135	35	36	19
2	38	84	165	330	176	328	460	176	79	32	33	18
3	34	74	141	306	183	945	500	280	67	28	31	18
4	32	66	123	348	185	26100	4200	3050	59	26	28	19
5	31	58	109	385	181	8120	16000	590	59	25	26	26
6	187	56	105	420	154	2190	3200	306	49	24	25	30
7	100	56	266	660	141	1030	1300	209	60	24	23	26
8	51	53	216	436	137	646	870	206	46	24	22	22
9	44	51	137	640	141	543	690	460	42	60	22	21
10	40	51	116	580	141	464	580	170	40	50	24	21
11	37	53	114	456	139	445	490	160	38	400	429	19
12	35	61	220	443	170	15200	420	140	36	150	44	18
13	35	61	275	397	196	6560	380	125	34	80	28	18
14	34	61	192	1020	163	2160	360	115	40	45	25	35
15	33	75	185	970	145	1070	320	105	51	40	53	70
16	33	68	165	450	120	759	310	96	51	100	362	57
17	34	57	145	440	127	647	300	87	58	60	54	32
18	34	53	135	520	131	605	290	88	90	35	35	26
19	34	72	125	370	123	524	280	82	133	60	29	48
20	41	69	357	340	116	502	270	77	60	50	26	114
21	47	89	348	330	114	454	252	77	44	31	25	38
22	40	68	225	300	114	490	2490	69	38	200	23	27
23	37	56	205	270	229	422	779	63	35	100	23	23
24	51	53	196	470	1350	374	730	60	33	150	24	160
25	929	53	640	460	408	360	420	91	32	800	24	945
26	367	95	820	341	473	344	310	149	113	400	29	135
27	135	410	452	335	1260	330	250	78	429	120	23	311
28	86	376	350	297	647	717	232	69	83	70	20	343
29	71	447	260	211	---	631	215	60	50	45	19	512
30	317	238	220	198	---	399	206	54	40	50	19	573
31	242	---	454	198	---	344	---	833	---	42	19	---
TOTAL	3274	3178	7643	13249	7647	74153	37554	8315	2124	3356	1603	3724
MEAN	106	106	247	427	273	2392	1252	268	70.8	108	51.7	124
MAX	929	447	820	1020	1350	26100	16000	3050	429	800	429	945
MIN	31	51	105	198	114	328	206	54	32	24	19	18
CFSM	.20	.20	.47	.81	.52	4.55	2.38	.51	.14	.21	.10	.24
IN.	.23	.22	.54	.94	.54	5.24	2.66	.59	.15	.24	.11	.26

CAL YR 1976 TOTAL 191418 MEAN 523 MAX 8810 MIN 28 CFSM .99 IN 13.54
WTR YR 1977 TOTAL 165820 MEAN 454 MAX 26100 MIN 18 CFSM .86 IN 11.73

07272000 SARDIS LAKE NEAR SARDIS, MS

LOCATION.--Lat 34°23'57", long 89°47'10", in NE¼SW¼ sec.12, T.8 S., R.6 W., Chickasaw Meridian, Panola County, Hydrologic Unit 08030201, in gagehouse of dam of Little Tallahatchie River. 7.5 mi (12.1 km) southeast of Sardis, and 25.7 mi (41.4 km) upstream from head of Panola-Quitman Floodway.

DRAINAGE AREA.--1,545 mi² (4,002 km²).

PERIOD OF RECORD.--September 1939 to current year. Prior to October 1970 published as Sardis Reservoir near Sardis.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to Oct. 1, 1958, at datum 219.43 ft (66.882 m) above mean sea level.

REMARKS.--Reservoir is formed by hydraulic-fill earth dam, with concrete spillway and outlet tunnel on opposite ends of dam. Storage began Aug. 26, 1939; dam completed Aug. 1, 1940. Capacity, 1,569,900 acre-ft (1,940 hm³) at elevation 281.4 ft (85.771 m), crest of spillway, of which about 1,461,900 acre-ft or 1,800 hm³ is available for flood-control storage and about 108,000 acre-ft (133 hm³) of storage is maintained in conservation pool for incidental recreational purposes at elevation 236.0 ft (71.93 m), 16.6 ft (5.06 m) above sill of outlet tunnel. Water below elevation 219.4 ft (66.873 m) cannot be withdrawn through outlet tunnel. Figures given herein represent total contents.

COOPERATION.--Elevation and contents furnished by Corps of Engineers; records reviewed by Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,840,700 acre-ft (2,270 hm³) Apr. 28, 1973, elevation, 285.83 ft (87.121 m); minimum since initial filling of reservoir to conservation level, 47,900 acre-ft (59.1 hm³) Oct. 3, 1941, elevation, 228.93 ft (69.778 m).

EXTREMES FOR CURRENT YEAR.--Maximum contents, 877,700 acre-ft (1,080 hm³) May 10, elevation 267.34 ft (81.485 m); minimum, 111,500 acre-ft (137 hm³) Nov. 28, elevation, 236.32 ft (72.030 m).

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

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

CONTENTS. IN ACRE-FEET. WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	342900	211100	117100	179900	290600	332200	681600	871700	795900	664100	551100	541000
2	376700	213400	121000	181800	291700	342900	682500	872900	791300	659400	549500	538000
3	370400	216900	124200	183500	292700	349600	683300	873300	787600	654000	547100	534100
4	364300	217600	126400	185000	293500	374500	685100	873700	783500	648500	544600	529300
5	357400	217900	129200	186400	294600	415200	714300	874100	779400	643500	541600	524600
6	350900	215900	131200	188100	295500	486500	763800	875700	776400	638200	538600	520100
7	344500	212700	133800	190200	296500	536800	803100	876500	772700	632900	535600	515700
8	337900	209300	136100	193100	297300	547400	821300	876900	767200	627000	532300	511000
9	330600	205000	138500	197100	297900	557600	829400	877300	762000	621700	530500	505800
10	324500	199400	140700	202600	298500	563500	834800	877700	756800	617100	529600	500900
11	319100	194900	142900	209100	299200	567900	838700	876900	752000	612200	529600	496300
12	311200	190100	145000	215400	300000	573800	841400	874900	747300	606400	529600	491400
13	304600	184800	146600	222000	300900	584600	843700	872500	743300	600200	529900	486200
14	298100	179300	148100	226900	301700	617100	845300	870100	738300	595400	530500	482000
15	291700	173000	149300	232300	302700	646500	846100	867300	735000	591600	531100	478700
16	285400	167100	150500	236300	303800	658700	846900	864100	731500	588100	532600	475000
17	277400	161100	151700	251300	304600	664500	847200	860900	727500	585200	533800	471400
18	268500	155300	152900	260300	305300	665800	848000	856200	724300	582600	535900	467500
19	260900	149700	153800	265100	305700	668600	848400	850800	720700	580100	537100	463600
20	253300	145000	154300	267800	306300	669900	848800	845100	717200	577600	537700	463300
21	245500	139700	155700	269900	307000	671000	849200	841400	712900	575100	537700	462800
22	237900	133300	156700	271400	307800	671300	849600	836700	708300	572200	538000	460300
23	230500	128100	157500	273400	308200	671300	851200	832500	703800	569400	538600	456700
24	222500	122800	158100	275600	309300	672000	855500	828200	698600	566300	538900	452400
25	217600	118200	159000	277800	311400	672300	851300	823200	693700	563200	540100	451300
26	214200	113300	161900	280000	314900	672300	865700	819400	688200	560700	540400	449900
27	211900	111800	163700	282400	318500	673300	868500	815600	683700	558500	540700	448600
28	209100	111500	166500	284800	324000	673700	869700	811800	679500	555700	541000	447500
29	206600	112400	170200	286800	---	675400	870100	808000	674700	553500	541300	445100
30	207100	112900	173900	288000	---	677800	871300	803800	669600	553500	541900	444300
31	208400	---	177300	289400	---	679800	---	799700	---	552600	541900	---
MAX	382900	217900	177300	289400	324000	679800	871300	877700	795900	664100	551100	541000
MIN	206400	111500	117000	179900	290500	332200	681600	799700	669600	552600	529600	444300
(†)	243.50	236.68	241.53	247.86	249.67	262.04	267.19	265.25	261.61	258.08	257.76	254.33
	-174900	-94600	+63600	+111100	+38700	+352000	+190800	-75100	-130400	-114500	-9800	-97900

CHL YR 1976 MAX 900400 MIN 111500 (†) -103900
WTR YR 1977 MAX 977700 MIN 111500 (†) +59000

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

† Change in contents, in acre-feet.

07272500 LITTLE TALLAHATCHIE RIVER AT SARDIS DAM, NEAR SARDIS, MS

LOCATION.--Lat 34°23'57", long 89°47'10", in SW¼ sec.12, T.8 S., R.6 W., Chickasaw Meridian, Panola County, Hydrologic Unit 08030201, in gagehouse of Sardis Dam, 7.5 mi (12.1 km) southeast of Sardis, and 25.7 mi (41.4 km) upstream from head of Panola-Quitman Floodway.

DRAINAGE AREA.--1,545 mi² (4,002 km²).

PERIOD OF RECORD.--January 1940 to September 1976. Prior to October 1972 published as Tallahatchie River at Sardis Dam, near Sardis.

REVISED RECORDS.--WSP 1147: 1946(M). WSP 1711: 1942(M).

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to Jan. 1, 1948, at site 300 ft (91 m) downstream at datum 194.43 ft (59.262 m) above mean sea level. Jan. 1, 1948, to Sept. 30, 1958, at present site and datum 219.43 ft (66.882 m) above mean sea level.

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

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

AVERAGE DISCHARGE.--36 years, 2,311 ft³/s (65.45 m³/s), 20.31 in/yr (516 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,900 ft³/s (337 m³/s) Apr. 28, 1973; minimum, no flow at times each year prior to 1959.

EXTREMES FOR WATER YEAR 1976.--Maximum daily discharge, 4,370 ft³/s (124 m³/s) Oct 30; minimum discharge, 15 ft³/s (0.42 m³/s) at times.

NOTE.--Records for 1977 water year will be published in a subsequent report.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4150	4320	4250	628	2430	3020	590	2030	2320	2060	2020	2110
2	4120	4280	4240	631	2430	3010	592	2030	2670	2060	2020	2110
3	4170	4280	4230	638	2430	3010	595	2030	3040	2050	2010	2110
4	4180	1320	4220	647	2430	3000	597	2030	2120	2050	2010	2100
5	4160	1250	3810	662	2240	2770	599	2030	2120	2050	2010	2100
6	4130	687	3530	672	15	2650	601	2030	2110	2050	2010	2100
7	3700	15	3520	678	15	2650	603	2030	2110	1200	2000	2100
8	2830	15	3500	682	15	2660	603	2030	2110	1190	2000	2090
9	15	15	3490	685	1340	2460	603	2030	2100	2090	2120	2090
10	2430	15	3470	687	2490	2690	604	2120	2100	2090	2340	2090
11	4060	1680	3450	689	2490	2710	604	3030	2100	2090	2340	2090
12	4040	3100	3430	1780	2490	2730	604	3650	2100	2080	2330	2090
13	4110	2370	3400	2610	2490	2730	605	2740	2100	2080	2330	2070
14	4160	2360	3380	2620	2490	2740	605	2020	2100	2080	2320	2070
15	4140	2360	3350	2920	2490	1950	605	2020	2100	2070	2320	2170
16	4050	2350	3330	3530	2490	562	606	2020	2090	2070	2310	2240
17	3040	2660	3310	3530	2480	563	606	2020	2090	2070	2310	2240
18	4080	3950	2490	3530	838	564	606	2240	2090	2060	2300	2230
19	4060	4290	646	2800	15	564	606	2690	2090	2060	2290	2230
20	4090	4280	645	2100	710	565	606	3140	2080	2050	2290	2220
21	4100	4270	645	2850	2200	567	607	2340	2080	2050	2280	2210
22	4170	4280	646	3510	2220	569	607	2340	2080	2050	2280	2210
23	4200	4240	646	3500	2230	571	607	2340	2080	2040	2210	2200
24	4170	4210	646	3480	2250	572	875	2340	2080	2040	2150	2190
25	4140	4170	648	2960	2570	262	1080	2340	2080	2040	2140	2190
26	4110	3420	651	2060	3020	224	1080	2590	2070	2030	2140	2180
27	4200	2220	655	1760	3020	578	1080	3120	2070	2030	2140	2610
28	4230	3150	662	2410	3020	580	1650	2330	2070	2030	2130	3520
29	4300	4280	668	2420	3020	583	2030	2330	2060	2020	2130	3500
30	4370	4260	670	2430	---	584	2030	2320	2060	2020	2120	3480
31	4360	---	672	2430	---	587	---	2320	---	2020	2120	---
TOTAL	120265	84097	72900	62529	58368	49275	23686	72670	64470	61970	67520	68920
MEAN	3880	2803	2352	2017	2013	1590	790	2344	2149	1999	2178	2297
MAX	4370	4320	4250	3530	3020	3020	2030	3650	3040	2090	2340	3520
MIN	15	15	645	628	15	294	590	2020	2060	1190	2000	2070
(†)	-3116	-953	-291	+2015	+2490	+2557	+1558	-667	-1074	-1522	-1856	-1721
C&L YR 1975 TOTAL	1192221		MEAN 3266	MAX 5460	MIN 15	(†) -141						
WTR YR 1976 TOTAL	806670		MEAN 2204	MAX 4370	MIN 15	(†) -226						

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

YAZOO RIVER BASIN

07274000 YOCONA RIVER NEAR OXFORD, MS

LOCATION.--Lat 34°16'23", long 89°31'11", in SE¼NW¼ sec.28, T.9 S., R.3 W., Chickasaw Meridian, Lafayette County, Hydrologic Unit 08030203, near left bank on downstream side of pier of bridge on State Highway 7, 1.5 mi (2.4 km) downstream from Burney Branch, 6 mi (10 km) south of Oxford, and at mi 42.3 (68.1 km).

DRAINAGE AREA.--262 mi² (679 km²).

PERIOD OF RECORD.--October 1951 to current year in reports of Geological Survey. May 1946 to September 1951 in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder and supplemental nonrecording gage read once daily. Datum of gage is 267.20 ft (81.443 m) above mean sea level. Prior to Jan. 1, 1972, at datum 5.00 ft (1.524 m) higher.

REMARKS.--Records good.

AVERAGE DISCHARGE.--31 years, 380 ft³/s (10.76 m³/s), 19.70 in/yr (500 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 44,100 ft³/s (1,250 m³/s) Mar. 21, 1955, gage height, 28.72 ft (8.754 m), from rating curve extended above 22,000 ft³/s (623 m³/s); minimum, 4.4 ft³/s (0.12 m³/s) Sept. 14, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,400 ft³/s (295 m³/s), Mar. 4, gage height, 26.50 ft (8.077 m), only peak above base of 8,000 ft³/s (227 m³/s); minimum daily, 15 ft³/s Sept. 3-5.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	99	160	221	103	454	155	67	45	27	71	16
2	32	63	128	187	102	347	155	66	34	27	47	16
3	30	51	110	184	101	1890	788	95	31	27	37	15
4	29	46	98	204	97	8020	5040	133	29	26	32	15
5	29	43	90	219	96	4740	5820	89	28	26	30	15
6	48	41	98	304	90	2020	2400	68	27	25	28	16
7	48	40	159	507	85	1350	1420	59	27	25	26	17
8	41	37	146	378	82	1090	1090	467	26	25	28	17
9	38	37	111	943	81	896	862	386	25	24	24	16
10	34	38	94	1090	81	735	658	142	24	38	22	17
11	31	40	87	793	81	666	434	107	23	29	34	16
12	31	46	104	670	94	3300	304	88	23	27	29	16
13	31	42	116	376	104	2460	233	67	22	27	23	17
14	29	47	105	1440	101	1550	190	53	23	35	21	22
15	27	49	92	1080	92	1010	138	48	28	29	160	21
16	28	46	86	925	85	706	117	48	30	46	55	22
17	28	44	91	610	84	442	100	43	39	30	45	22
18	28	43	74	351	82	340	90	41	104	24	29	130
19	28	41	69	252	80	278	86	40	258	24	23	938
20	40	46	183	284	78	246	89	38	115	27	20	109
21	34	51	291	249	78	233	94	38	46	20	19	29
22	34	45	184	230	76	218	757	36	35	17	19	24
23	33	44	122	212	173	186	535	35	32	20	19	22
24	40	43	106	266	518	165	322	34	30	35	17	48
25	122	42	878	288	340	152	198	33	30	27	30	133
26	101	117	914	236	690	141	147	40	29	79	52	41
27	66	198	714	219	1620	138	116	40	31	43	18	63
28	51	334	568	219	723	298	97	44	30	40	17	111
29	41	408	295	202	---	382	81	38	28	134	16	428
30	108	278	239	142	---	258	74	34	28	216	17	159
31	158	---	266	115	---	186	---	48	---	606	17	---
TOTAL	1455	2499	6767	13396	6017	34897	22590	2565	1280	1805	1025	2531
MEAN	46.9	83.3	218	432	215	1126	753	82.7	42.7	58.2	33.1	84.4
MAX	158	408	914	1440	1620	8020	5820	467	258	606	160	938
MIN	27	37	69	115	76	138	74	33	22	17	16	15
CFSM	.18	.32	.93	1.65	.82	4.30	2.87	.32	.16	.22	.13	.32
IN.	.21	.35	.96	1.90	.85	4.95	3.21	.36	.18	.26	.15	.36
CAL YR 1976	TOTAL	101791	MEAN 278	MAX 4080	MIN 18	CFSM 1.06	IN 14.45					
WTR YR 1977	TOTAL	96827	MEAN 265	MAX 8020	MIN 15	CFSM 1.01	IN 13.75					

YAZOO RIVER BASIN

149

07274500 ENID LAKE NEAR ENID, MS

LOCATION.--Lat 34°09'29", long 89°54'14", in SW¼NE¼ sec.2, T.11 S., R.7 W., Chickasaw Meridian, Yalobusha County, Hydrologic Unit 08030203, in gatehouse of dam on Yocona River, 0.8 mi (1.3 km) upstream from U.S. Highway 51, 2.8 mi (4.5 km) upstream from Illinois Central Railroad bridge, 3.2 mi (5.1 km) northeast of Enid, and 13.5 mi (21.7 km) upstream from the mouth of Yocona River.

DRAINAGE AREA.--560 mi² (1,450 km²).

PERIOD OF RECORD.--July 1951 to current year. Prior to October 1970, published as Enid Reservoir near Enid.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to May 24, 1952, nonrecording gage at same site. Prior to Oct. 1, 1958, at datum 200.00 ft (60.960 m) above mean sea level.

REMARKS.--Reservoir is formed by rolled-filled earth dam with concrete spillway and outlet tunnel. Storage began July 16, 1951. Capacity, 660,000 acre-ft (814 hm³) at elevation 268.0 ft (81.69 m), crest of spillway, of which about 602,400 acre-ft (743 hm³) is available for flood control and about 57,600 acre-ft (71.0 hm³) of storage is maintained in conservation pool for incidental recreational purposes at elevation 230.0 ft (70.10 m), 25 ft (7.6 m) above sill of outlet tunnel. Water below elevation 205.0 ft (62.48 m) cannot be withdrawn through outlet tunnel. Figures given herein represent total contents.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 752,000 acre-ft (927 hm³) Apr. 28, 1973, elevation, 271.15 ft (82.647 m); minimum since initial filling of reservoir to conservation level, 480 acre-ft (.592 hm³) Sept. 23 to Oct. 7, 1952; minimum elevation, 207.10 ft (63.124 m) Oct. 3-7, 1952.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 324,200 acre-ft (400 hm³) May 4, elevation, 253.18 ft (77.169 m); minimum, 57,800 acre-ft (71.3 hm³) Nov. 25, elevation, 230.04 ft (70.116 m).

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

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

CONTENTS, IN ACRE-Feet, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
INSTANTANEOUS OBSERVATIONS AT 0000

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	151000	104400	63900	84400	113900	123600	248700	322900	294500	264900	253000	231700
2	151100	106500	64400	85000	113900	124200	248700	323300	293100	264600	253100	229000
3	151200	105200	64900	85400	113700	125000	248800	322900	292500	263200	252400	226800
4	151300	102100	65100	85900	113600	156800	253600	324200	291100	262200	252000	224400
5	151400	100000	65400	86500	113600	182800	244800	324200	290200	260800	251000	221800
6	150700	97300	65600	87200	113500	194400	301000	323500	289000	259800	250200	220300
7	148100	95600	66400	88400	113400	203100	307100	322400	288200	258400	249400	217600
8	145600	93400	67000	89800	113200	207000	310100	321700	286300	257300	248800	215000
9	143400	91200	67600	91400	113100	208700	312600	323500	284500	257500	247800	212800
10	141100	89100	67400	94600	112900	210200	313900	322700	284000	258300	246900	210900
11	138900	87400	68200	97100	112700	210500	314900	321300	282500	257800	246400	209100
12	136700	85200	68500	98000	112700	218500	316300	320000	280900	257000	245700	207200
13	135000	83300	68900	97200	112800	228000	316400	318400	280000	256600	244900	205500
14	132900	81300	69300	101400	112800	234300	317200	317700	278900	255900	244100	203800
15	130600	79200	69500	105400	112800	236200	317400	316500	279400	255100	243400	201900
16	129000	77100	69700	108400	112500	236200	317400	315400	278200	254700	244300	197600
17	127500	75000	69900	110100	112500	244700	317200	314200	279200	254000	243700	195500
18	124200	72800	70000	110800	112100	244300	317400	313100	277900	253600	243100	193200
19	124800	70500	70300	111200	111800	245500	317700	312100	278200	253000	242000	191900
20	123600	68300	70500	111300	111700	245500	318300	310700	277700	252400	241000	191300
21	122200	66200	70900	111300	111500	245800	318800	309600	276900	251600	240100	189300
22	120300	64100	72000	111300	111200	245800	319300	308200	275600	250800	239200	187100
23	119400	62000	72400	111600	111000	245500	321500	306900	274600	250400	238400	184900
24	119400	59900	73000	112600	112000	245500	322600	304700	273600	250800	237500	182600
25	118100	57800	74200	113100	113000	245500	323300	302200	272500	250700	236900	184700
26	117700	53000	76700	113500	113400	246300	323500	301000	271100	250500	236600	183100
27	116700	52200	79400	113900	118600	246300	323300	299800	269700	250700	235900	181400
28	115400	60400	81300	114100	122500	246300	323100	299100	268200	249600	235000	181900
29	113000	61900	82300	114000	---	246900	321500	298100	267600	250100	234200	180400
30	111700	63100	83200	114000	---	247200	321700	297100	266000	250800	233600	181900
31	110100	---	83900	113900	---	247200	---	295500	---	251400	232600	---
MAX	151400	109400	83900	114100	122500	247200	323500	324200	294500	264900	253100	231700
MIN	110100	57800	63900	84400	111000	123600	248700	295500	266000	249600	232600	180400
(†)	236.86	230.98	233.86	237.38	238.38	248.60	253.03	251.49	249.71	248.93	247.51	243.74
(‡)	-41800	-45400	+20500	+29700	+9400	+124700	+73700	-27000	-29400	-12300	-21300	-50400

CAL YR 1976 MAX 351400 MIN 57800 (‡) -34000
WTR YR 1977 MAX 324200 MIN 57800 (‡) +30400

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

‡ change in contents, in acre-feet.

07275000 YOCONA RIVER AT ENID DAM, NEAR ENID, MS

LOCATION.--Lat 34°09'29", long 89°54'14", in SW¼NE¼ sec.2, T.11 S., R.7 W., Chickasaw Meridian, Yalobusha County, Hydrologic Unit 08030203, in gatehouse at Enid Dam, 0.8 mi (1.3 km) upstream from U.S. Highway 51, 2.8 mi (4.5 km) upstream from Illinois Central Railroad bridge, 3.2 mi (5.1 km) northeast of Enid, and 13.5 mi (21.7 km) upstream from mouth.

DRAINAGE AREA.--560 mi² (1,450 km²).

PERIOD OF RECORD.--July 1928 to September 1975. Prior to October 1951, published as Yocona River near Enid. Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 1281: 1929, 1945. WSP 1511: 1929(M).

GAGE.--Water-stage recorder. Datum of gage is at mean sea level. Prior to July 14, 1939, nonrecording gage and July 14, 1939, to Aug. 19, 1940, water-stage recorder at site 150 ft (46 m) downstream from bridge on U.S. Highway 51, 0.8 mi (1.3 km) downstream. Aug. 20, 1940, to July 15, 1951, water-stage recorder at bridge on U.S. Highway 51. July 16, 1951, to May 23, 1952, nonrecording gage at present site. Prior to July 16, 1951, at datum 189.42 ft (57.735 m) above mean sea level; July 16, 1951, to Sept. 30, 1958, at datum 200.00 ft (60.960 m) above mean sea level.

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

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

AVERAGE DISCHARGE.--48 years, 861 ft³/s (24.38 m³/s), 20.88 in/yr (530 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 36,300 ft³/s (1,030 m³/s) Feb. 14, 1948, gage height, 21.61 ft (6.587 m, site and datum then in use); maximum discharge since July 1951, when regulation began, 6,060 ft³/s (172 m³/s) Dec. 28, 1951; minimum, no flow at times each year July 1951 to December 1958; minimum discharge prior to construction of Enid Dam, 34 ft³/s (0.96 m³/s) Sept. 28, 1931, but may have been less during periods of estimated record October to December 1931.

EXTREMES FOR WATER YEAR 1976.--Maximum daily discharge, 2,060 ft³/s (58.3 m³/s) Nov. 18; minimum, 5.0 ft³/s (0.14 m³/s) at times.

NOTE.--Records for 1977 water year will be published in a subsequent report.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1200	1830	1430	5.0	5.0	1690	253	1160	1190	1100	851	748
2	1200	1820	1430	5.0	5.0	1690	253	1160	1180	1000	849	746
3	1200	1810	1430	5.0	5.0	1690	253	1160	1180	802	847	746
4	1190	1000	1420	5.0	5.0	1690	253	1150	1180	1000	844	746
5	1190	5.0	1420	5.0	5.0	1690	254	1150	1180	1000	843	745
6	807	5.0	1420	5.0	5.0	1700	254	1040	1180	998	841	744
7	5.0	5.0	1420	5.0	5.0	1690	254	806	1180	997	839	742
8	386	5.0	1410	5.0	5.0	1700	254	805	1170	996	837	740
9	1180	5.0	1410	5.0	5.0	1710	254	804	1170	993	518	738
10	1180	539	747	5.0	5.0	1720	254	1120	1170	991	5.0	737
11	1180	1640	186	5.0	5.0	1720	254	1580	1170	990	5.0	533
12	1180	1690	186	5.0	5.0	1720	254	1580	1170	927	5.0	5.0
13	1180	1030	187	5.0	5.0	1720	254	1570	1160	886	5.0	5.0
14	1160	1030	187	5.0	5.0	1710	254	1580	1160	884	5.0	5.0
15	1160	1030	187	5.0	5.0	1710	254	1580	1160	882	5.0	5.0
16	1160	1030	187	5.0	5.0	1710	254	1580	1160	880	5.0	5.0
17	1160	1350	187	5.0	5.0	1710	254	1570	1200	878	5.0	5.0
18	1160	2060	188	5.0	5.0	1700	254	1380	1240	877	5.0	5.0
19	1160	2050	188	5.0	5.0	1700	254	1210	1240	874	5.0	5.0
20	1160	2030	188	5.0	358	1700	254	1200	1240	872	288	5.0
21	1160	2030	188	5.0	1110	1700	254	1200	1230	871	768	5.0
22	1160	2020	188	5.0	1120	886	254	1200	1230	868	766	5.0
23	1160	2010	188	5.0	1130	246	254	1200	1230	867	765	5.0
24	1160	1990	188	5.0	1130	246	499	1200	1230	865	763	5.0
25	1140	1980	189	5.0	1130	224	626	1190	1220	863	761	5.0
26	1140	1750	190	5.0	1550	246	625	1190	1220	861	759	5.0
27	1140	1430	191	5.0	1700	249	625	1190	1220	861	757	5.0
28	1140	1430	130	5.0	1700	250	948	1190	1220	859	755	5.0
29	1140	1430	5.0	5.0	1700	251	1160	1190	1220	856	754	5.0
30	1570	1430	5.0	5.0	---	251	1160	1190	1210	855	752	5.0
31	1840	---	5.0	5.0	---	252	---	1190	---	853	750	---
TOTAL	34948.0	39464.0	16875.0	155.0	12723.0	38871	11481	38315	35910	28306	15957.0	8060.0
MEAN	1127	1315	544	5.00	439	1254	383	1236	1197	913	515	269
MAX	1840	2060	1430	5.0	1700	1720	1160	1580	1240	1100	851	748
MIN	5.0	5.0	5.0	5.0	5.0	224	253	804	1160	802	5.0	5.0
(†)	-771	-392	+218	+1626	+1391	+727	+28.6	-831	-933	-828	-480	-113

CAL YR 1975 TOTAL 474526.0 MEAN 1300 MAX 2480 MIN 5.0 (†) -94.9
WTR YR 1976 TOTAL 281065.0 MEAN 768 MAX 2060 MIN 5.0 (†) -33.9

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

07278000 ARKABUTLA LAKE NEAR ARKABUTLA, MS

LOCATION.--Lat 34°45'26", long 90°07'27", in SW¼ sec.2, T.4 S., R.9 W., Chickasaw Meridian, De Soto County, Hydrologic Unit 08030204, in gatehouse of dam on Coldwater River, 4 mi (6 km) north of Arkabutla, and 54.3 mi (87.4 km) upstream from the mouth of Coldwater River.

DRAINAGE AREA.--1,000 mi² (2,590 km²), approximately.

PERIOD OF RECORD.--August 1941 to current year. Prior to October 1970 published as Arkabutla Reservoir near Arkabutla.

REVISED RECORDS.--WSP 1007: 1941. WSP 1241: 1947.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to July 1, 1942, nonrecording gage at same site. Prior to Oct. 1, 1958, at datum 191.18 ft (58.272 m) above mean sea level.

REMARKS.--Reservoir is formed by rolled-filled earth dam with concrete spillway and outlet tunnel. Storage began Aug. 14, 1941. Dam completed Aug. 31, 1945. Capacity, 525,300 acre-ft (648 hm³) at elevation 238.3 ft (72.63 m), crest of spillway, of which about 493,800 acre-ft (609 hm³) is available for flood-control storage and about 31,500 acre-ft (38.8 hm³) of storage is maintained in conservation pool for incidental recreational purposes at elevation 209.3 ft (63.79 m), 18 ft (5.5 m) above sill of outlet gates. Water below elevation 191.3 ft (58.31 m) cannot be withdrawn through outlet tunnel. Figures given herein represent total contents.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 702,800 acre-ft (867 hm³) Apr. 25, 1973 (elevation, 243.08 ft or 74.091 m); minimum, since initial filling of reservoir to conservation level, 30 acre-ft (37,000 m³) at times during 1942-45; minimum elevation, 192.83 ft (58.775 m) Aug. 25, 1943.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 166,200 acre-ft (205 hm³) Mar. 14, elevation 223.16 ft (68.019 m); minimum, 31,600 acre-ft (39.0 hm³) Nov. 25, elevation, 209.30 ft (63.795 m).

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

209	30.1	226	122.3
210	35.3	222	149.0
215	69.8	225	195.9
218	98.9		

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
INSTANTANEOUS OBSERVATIONS AT 0400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51400	55900	42400	40200	71500	47100	92200	72900	88400	89500	96000	92600
2	49100	52900	42500	40600	70300	47400	88400	70600	87500	89500	96300	91600
3	45500	49800	42600	41200	69100	47600	86100	70100	86700	89200	96300	90600
4	44800	45900	42400	41600	66700	66400	94100	79700	85700	88900	96100	89600
5	44900	44100	42200	42100	63500	126800	113300	88800	84800	88700	96000	88900
6	45400	42900	42100	42700	61300	141800	125500	93500	83900	88400	95700	88200
7	46100	41700	42200	43700	59100	152200	128800	96800	83000	88100	95500	87100
8	46500	40700	42200	44800	56800	160700	128400	98600	81900	87700	95200	86300
9	47000	39500	42100	45700	54500	163400	128000	99800	80800	87400	94900	85400
10	47500	39600	41900	47400	48900	162900	127700	100200	79900	87500	94500	84600
11	48000	39200	41400	49500	50200	161900	126300	100700	79000	87800	94100	83600
12	48400	37900	41600	50200	48400	162200	125200	101000	78100	87800	93900	82700
13	48800	37700	41400	50400	46500	165200	123600	101100	77100	87700	93700	81700
14	49300	37500	41300	54300	44400	166200	120400	101400	77100	87500	93500	83400
15	49700	37400	41100	69100	43100	164200	116900	101600	77900	87200	93700	84200
16	50100	37200	40900	78800	41400	160300	112700	101700	79300	87200	95500	83000
17	50400	37000	40600	82600	40800	156000	109000	101800	80500	87100	96200	83200
18	50900	36800	40500	83300	40600	150900	105700	101100	82200	86900	96600	82600
19	51100	36700	40200	83400	40200	145900	102900	100100	84800	86700	96400	82400
20	51300	36500	39400	83400	40100	141900	101200	99100	86400	86700	96200	81600
21	51700	36500	39400	82600	39900	137900	98900	98200	87200	86600	96000	81000
22	52400	36400	39400	81800	39700	132700	96200	97200	87700	86600	95700	79900
23	52400	35200	39200	80700	39500	128900	92900	96300	88200	86600	95400	79100
24	53800	33600	38900	79900	41700	124800	90800	95500	88000	87200	95200	78200
25	56400	31600	39000	78900	43800	120300	89200	94600	87700	87700	94900	85000
26	62200	31900	39000	78100	45000	114500	85700	93700	88100	88400	94500	88400
27	65200	35600	39200	77100	45800	111200	83000	93000	90000	88800	94200	91100
28	67000	38900	39200	76200	46800	107100	80300	92100	89600	88900	93900	95200
29	65100	40700	38900	75300	---	103400	77800	91300	89800	89600	93500	98500
30	62000	41800	39100	73800	---	99500	75300	90400	89800	94200	93200	103000
31	59400	---	39500	72700	---	95600	---	89300	---	95600	92900	---
MAX	67000	55900	42600	83400	71500	166200	128800	101800	89800	95600	96600	103000
MIN	44800	31600	38900	40200	39500	47100	75300	70100	77100	86600	92900	78200
(†)	213.42	211.19	210.82	215.25	211.96	217.48	215.44	217.03	217.11	217.72	217.40	218.56
(‡)	+5200	-15100	-2300	+31200	-25000	+46400	-19700	+15000	+800	+6400	-3300	+12600

CAL YR 1976 MAX 165900 MIN 31600 (†) -17600
WTR YR 1977 MAX 166200 MIN 31600 (‡) +53100

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

‡ Change, in contents, in acre-feet.

07278500 COLDWATER RIVER AT ARKABUTLA DAM, NEAR ARKABUTLA, MS

LOCATION.--Lat 34°45'26", long 90°07'27", in SW¼ sec.2, T.4 S., R.9 W., Chickasaw Meridian, De Soto County, Hydrologic Unit 08030204, in gatehouse of Arkabutla Dam, 4.0 mi (6.4 km) north of Arkabutla, and 54.3 mi (87.4 km) upstream from mouth.

DRAINAGE AREA.--1,000 mi² (2,590 km²), approximately.

PERIOD OF RECORD.--May 1937 to September 1941, January 1942 to September 1976. Prior to October 1938 monthly discharge only, published in WSP 1311. Prior to October 1941 published as "at Pratts Bridge near Arkabutla."

REVISED RECORDS.--WSP 1241: 1946. WSP 1441: 1938(M).

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to Oct. 1, 1939, nonrecording gage and Oct. 1, 1939, to Sept. 30, 1941, water-stage recorder at site 1.7 mi (2.7 km) downstream at datum 187.54 ft (57.162 m) above mean sea level. Jan. 1 to June 30, 1942, nonrecording gage 135 ft (41 m) downstream from outlet tunnel of Arkabutla Dam and July 1, 1942, to Dec. 31, 1947, water-stage recorder at site 370 ft (113 m) downstream from outlet tunnel, both at datum 171.28 ft (52.206 m) above mean sea level. Jan. 1, 1948, to Sept. 30, 1958, at present datum 191.18 ft (58.272 m) above mean sea level.

REMARKS.--Flow completely regulated by Arkabutla Lake since January 1942 (see station 07278000).

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

AVERAGE DISCHARGE.--38 years, 1,319 ft³/s (37.35 m³/s), 17.91 in/yr (455 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 30,200 ft³/s (855 m³/s) Jan. 22, 1938 (gage height, 12.9 ft or 3.93 m, site and datum then in use); no flow at times each year 1942 to 1958; minimum daily discharge, prior to the effect of construction of Arkabutla Lake, 120 ft³/s (3.40 m³/s) Oct. 15, 1938.

EXTREMES OUTSIDE PERIOD OF RECORD.--A stage of 21.3 ft or 6.49 m (from floodmarks) occurred in January 1935 at original site and datum.

EXTREMES FOR WATER YEAR 1976.--Maximum discharge, 4,090 ft³/s (116 m³/s) Mar. 21; minimum, 5.0 ft³/s (0.14 m³/s) at times.

NOTE.--Records for 1977 water year will be published in a subsequent report.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1010	1100	1510	2610	623	2570	4070	2050	243	257	255	249
2	1010	1070	1620	1950	623	2730	4010	1980	244	257	255	249
3	1010	1050	2010	850	615	2640	3920	1920	244	257	255	250
4	1000	940	2660	994	608	2550	3890	1860	245	257	255	89
5	1000	916	1950	1060	636	1700	3990	1800	245	257	255	5.0
6	1000	363	1580	2080	827	1450	3840	1620	245	257	255	5.0
7	990	5.0	1570	2670	980	1490	3840	1790	245	257	255	106
8	990	5.0	1550	2700	1050	1590	3180	1740	245	257	255	255
9	670	5.0	1500	2680	1990	1970	1440	1680	245	257	255	255
10	415	5.0	1910	2630	2720	2090	1400	1330	245	257	255	255
11	1000	5.0	2370	2570	2660	2280	1350	630	245	257	255	255
12	1000	5.0	2290	2520	2580	2320	952	612	245	256	255	255
13	1000	5.0	2220	2480	2490	2370	617	597	245	256	254	1280
14	991	5.0	2150	2430	2410	2390	612	594	245	256	254	1540
15	991	5.0	2080	2450	2550	2920	603	587	245	256	254	1050
16	981	5.0	2060	2390	2620	3910	594	590	245	256	254	1020
17	981	544	2370	2590	2310	3820	582	590	246	255	420	990
18	981	2110	2640	2500	837	3710	569	348	247	255	519	970
19	971	2230	2560	2570	1220	3950	556	227	248	255	517	940
20	961	2170	2470	2520	1800	3970	545	230	249	255	516	920
21	961	2110	2430	1340	1900	3930	536	230	249	255	515	891
22	951	2050	2680	294	1740	3880	525	231	250	255	513	869
23	951	1980	2580	299	1870	3970	514	231	250	255	382	843
24	941	1920	2490	303	1900	3920	306	232	251	255	251	1100
25	941	1860	2170	323	2170	1930	5.0	233	253	255	251	1450
26	931	1620	638	427	2570	1590	1130	233	255	255	250	1400
27	921	1310	764	530	2510	3980	2130	234	255	255	250	1210
28	915	1700	832	586	2440	4030	2130	235	255	255	250	1320
29	905	2000	1560	609	2370	4000	2120	238	256	254	250	1330
30	1060	1610	2750	624	---	4070	2100	241	257	255	249	1230
31	1130	---	2680	634	---	4090	---	243	---	255	249	---
TOTAL	29559	30703.0	62644	51253	51619	91800	52056.0	25356	7437	7931	9458	22581.0
MEAN	954	1023	2021	1653	1780	2961	1735	818	248	256	305	753
MAX	1130	2230	2750	2700	2720	4090	4070	2050	257	257	519	1540
MIN	415	5.0	638	294	608	1450	5.0	227	243	254	249	5.0
(†)	-816	+484	-683	-17.9	+1010	-76.4	-459	-262	+422	-63.4	-161	-430
CAL YR 1975 TOTAL	680012.0	MEAN	1863	MAX	4830	MIN	5.0	(†)	-82.0			
WTR YR 1976 TOTAL	442397.0	MEAN	1209	MAX	4090	MIN	5.0	(†)	-94.8			

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

07280000 TALLAHATCHIE RIVER NEAR LAMBERT, MS

LOCATION.--Lat 34°10'50", long 90°12'55", in NE¼SW¼ sec.29, T.27 N., R.1 E., Choctaw Meridian, Quitman County, Hydrologic Unit 08030202, near center of span on downstream side of highway bridge, 0.2 mi (0.3 km) downstream from confluence of Old Little Tallahatchie River and Coldwater River, 3.5 mi (5.6 km) southeast of Lambert, and 26.2 mi (42.2 km) upstream from the Panola-Quitman Floodway.

DRAINAGE AREA.--1,980 mi² (5,130 km²), approximately (does not include 2,600 mi² or 6,730 km²) of upper Little Tallahatchie (formerly Tallahatchie) and Yocona Rivers, the entire flow of which is diverted 24.5 mi (39.4 km) upstream through Panola-Quitman Floodway.

PERIOD OF RECORD.--October 1935 to September 1976. Prior to October 1938, monthly discharge only, published in WSP 1311.

REVISED RECORDS.--WSP 1281: 1939.

GAGE.--Water-stage recorder. Datum of gage is 123.83 ft (37.743 m) above mean sea level (levels by Corps of Engineers). Prior to Sept. 5, 1946, nonrecording gage at same site and datum. Since Sept. 11, 1946, auxiliary water-stage recorder 5.8 mi (9.3 km) downstream from base gage at datum 2.66 ft (0.811 m) higher. Dec. 9, 1938, to Sept. 10, 1946, auxiliary nonrecording gage at same site and datum.

REMARKS.--Flow partly regulated by Arkabutla Lake on Coldwater River (see station 07278000). Entire flow of Little Tallahatchie River and Yocona River diverted around the station through the Panola-Quitman Floodway.

COOPERATION.--Results of 26 discharge measurements and records of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

AVERAGE DISCHARGE.--41 years, 2,697 ft³/s (76.38 m³/s), 18.50 in/yr (470 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 32,800 ft³/s (929 m³/s) Jan. 30, 1937 (gage height, 35.54 ft or 10.833 m); minimum, 59 ft³/s (1.67 m³/s) Oct. 27-29, 1942; minimum gage height, 5.85 ft (1.783 m) Oct. 16-21, 1938.

EXTREMES OUTSIDE PERIOD OF RECORD.--A stage of 36.8 ft (11.22 m), from floodmarks, occurred in January 1932 (probably affected by levee breaks above).

EXTREMES FOR WATER YEAR 1976.--Maximum discharge, 8,650 ft³/s (245 m³/s) Mar. 10, gage height, 28.90 ft (8.809 m); minimum daily, 260 ft³/s (7.36 m³/s) Oct. 11.

NOTE.--Records for 1977 water year will be published in a subsequent report.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	685	1280	6230	2690	1310	2910	7210	2850	720	1650	636	478
2	1000	1310	6500	3520	1160	2990	7220	2660	686	1200	642	474
3	900	1370	5880	6620	1100	3360	7000	2480	810	930	607	462
4	888	1450	5590	6240	1050	3300	6570	2420	833	832	580	518
5	877	2470	5400	4970	983	3410	5920	2360	732	892	569	948
6	835	3880	5200	3540	2620	4140	5290	2330	655	900	561	1020
7	800	6110	5320	3370	5060	3890	5090	2340	620	817	668	945
8	691	6060	5010	5070	3860	3050	4570	2400	596	757	573	738
9	525	5390	4700	4950	3650	8330	4400	2380	594	741	556	670
10	373	4700	4340	4710	3030	8650	3550	2270	570	620	564	713
11	260	4090	4010	4390	3090	8450	2620	2160	559	624	531	666
12	1010	3400	3720	4320	3120	7900	2290	1650	540	624	485	655
13	1110	2730	3510	4210	3090	7600	2000	1120	531	636	497	633
14	1130	2060	3330	4420	2940	6820	1670	975	519	622	524	589
15	1170	1390	3270	4020	2810	5860	1560	1070	485	612	528	1510
16	1190	687	3310	3780	2690	5080	1410	1000	522	609	543	1450
17	1200	611	3340	3590	2730	4970	1270	967	621	608	523	1340
18	1160	472	3140	3530	4640	5140	1160	899	570	608	517	1280
19	1090	2680	2770	3140	7880	5080	1080	866	1280	591	600	1250
20	1100	4720	2100	3050	7550	4900	1020	694	2020	583	680	1210
21	1110	5160	1560	2980	6830	5760	1010	558	1960	578	712	1160
22	1130	5210	1450	2720	8110	5810	1000	605	1620	575	758	1110
23	1170	5280	1380	1660	8000	5570	990	418	1250	573	764	1080
24	1180	5270	1290	1410	7260	5410	980	559	984	573	776	1040
25	1190	5230	1180	976	6490	5160	2140	592	864	572	665	1030
26	1200	5400	2990	2940	5970	4800	4280	610	1920	570	510	1290
27	1210	5740	3270	3270	4530	3130	3880	588	2670	575	465	1530
28	1180	5890	2160	2700	4040	5380	3810	492	2740	584	470	1530
29	1170	5270	1370	2080	3700	5810	3520	744	2920	585	478	1390
30	1110	5430	1070	1680	---	6560	3070	851	2320	582	468	1430
31	1200	---	1340	1440	---	6840	---	791	---	580	479	---
TOTAL	30444	110740	105730	107986	119293	166060	97580	42699	33711	21803	17929	30139
MEAN	995	3691	3411	3483	4114	5357	3253	1377	1124	703	578	1005
MAX	1210	6110	6500	6620	8110	8650	7220	2850	2920	1650	776	1530
MIN	260	472	1070	976	983	2910	980	418	485	570	465	462

CAL YR 1975 TOTAL 1501671 MEAN 4114 MAX 12300 MIN 110 (+) -82.0
WTR YR 1976 TOTAL 884514 MEAN 2417 MAX 8650 MIN 260 (+) -94.8

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

YAZOQ RIVER BASIN

07280270 TILLATOBA CREEK BELOW OAKLAND, MS

LOCATION.--Lat 33°59'40", long 89°57'12", in NE¼ sec.35, T.25 N., R.3 E., Choctaw Meridian, Tallahatchie County, Hydrologic Unit 08030202, near right bank on upstream side of bridge on county road, 3.3 mi (5.3 km) west of Tillatoba, and 4.6 mi (7.4 km) southwest of Oakland.

DRAINAGE AREA.--37.1 mi² (96.1 km²).

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

GAGE.--Water-stage recorder and nonrecording gage read twice daily. Altitude of gage is 220 ft (67 m) from topographic map.

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,820 ft³/s (165 m³/s) Mar. 29, 1975, gage height, 17.72 ft (5.401 m); minimum daily, 0.08 ft³/s (0.002 m³/s) Sept. 2-4, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,000 ft³/s (57 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Mar. 4	0015	*5160 146	17.44 5.316	Mar. 12	0115	2720 77.0	15.55 4.740

Minimum daily discharge, 0.08 ft³/s (0.002 m³/s) Sept. 2-4:

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	4.5	8.6	30	12	15	18	3.9	2.2	2.1	3.3	.10
2	1.5	3.5	7.8	31	9.7	12	18	4.6	2.1	2.7	3.3	.08
3	1.1	3.1	6.9	30	9.1	1440	137	43	1.9	2.1	1.9	.08
4	.76	2.9	6.4	23	11	1730	1050	73	1.7	2.1	1.4	.08
5	1.6	2.7	5.9	18	25	238	1050	25	2.1	1.6	1.2	.31
6	4.0	2.7	14	41	35	162	311	15	2.2	3.3	.97	1.4
7	2.2	3.1	39	49	10	122	38	12	2.2	3.5	.81	.81
8	1.4	2.9	9.7	21	9.1	130	26	9.4	2.2	3.1	.65	.42
9	1.6	3.1	5.3	169	8.6	87	17	17	2.2	13	.57	.42
10	1.2	3.3	4.0	64	6.9	63	14	7.3	2.2	63	.65	.42
11	1.1	4.0	4.5	39	7.5	76	13	5.8	2.1	8.7	.49	.13
12	1.5	6.4	7.2	39	14	1220	10	4.8	2.1	4.6	.42	.13
13	2.2	6.1	6.1	33	12	111	9.1	4.6	3.1	3.5	.31	.57
14	2.7	4.8	4.2	210	9.7	58	8.0	4.8	4.6	3.3	.23	2.1
15	1.4	5.1	4.0	63	8.6	44	7.0	4.1	4.6	3.1	3.1	3.7
16	1.2	4.2	3.5	29	7.5	35	5.5	3.9	4.3	10	1.9	1.5
17	1.5	3.7	3.3	25	4.0	29	4.8	4.3	19	3.7	13	.81
18	1.6	3.5	3.1	25	3.5	29	14	3.7	4.8	3.3	1.2	.65
19	1.5	4.0	3.3	24	3.0	26	19	3.3	3.5	3.9	.73	54
20	4.2	6.4	32	18	10	35	12	3.3	3.9	3.1	.57	19
21	2.4	7.8	12	11	5.0	27	18	3.3	3.5	2.9	.57	4.6
22	2.0	4.8	8.6	8.8	2.5	23	27	3.1	2.7	2.1	.57	2.2
23	2.0	4.2	9.4	6.1	3.0	20	17	2.7	2.1	15	.65	1.6
24	2.7	4.5	6.9	18	15	20	13	2.7	1.8	20	.89	37
25	54	4.8	151	12	50	19	10	2.9	1.6	27	.81	32
26	11	27	53	12	183	18	8.0	2.9	1.6	2.1	.89	2.4
27	3.3	23	22	33	89	17	6.7	3.3	1.7	1.8	.31	5.0
28	2.4	77	17	9.1	29	84	6.1	3.3	1.5	.16	.23	2.9
29	2.4	24	14	5.9	---	40	5.8	2.9	1.7	33	.16	279
30	22	10	13	5.3	---	573	4.6	2.5	2.1	8.0	.16	34
31	8.3	---	29	20	---	20	---	2.4	---	3.5	.13	---
TOTAL	148.26	267.1	514.7	1122.2	592.7	6523	2897.6	284.8	93.3	259.26	42.07	487.41
MEAN	4.78	8.90	16.6	36.2	21.2	210	96.6	9.19	3.11	8.36	1.36	16.2
MAX	54	77	151	210	183	1730	1050	73	19	63	13	279
MIN	.76	2.7	3.1	5.3	2.5	12	4.6	2.4	1.5	.16	.13	.08
CFSM	.13	.24	.45	.98	.57	5.66	2.60	.25	.08	.23	.04	.44
IN.	.15	.27	.52	1.13	.59	6.54	2.91	.29	.09	.26	.04	.49

CAL YR 1976 TOTAL 12157.86 MEAN 33.2 MAX 1300 MIN .76 CFSM .90 IN 12.19
WTR YR 1977 TOTAL 13232.40 MEAN 36.3 MAX 1730 MIN .08 CFSM .98 IN 13.27

07280270 TILLATOBA CREEK BELOW OAKLAND, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1975, 1977 to current year.

REMARKS.--Sediment samples are collected by a local observer.

REVISIONS.--The figure of suspended sediment for Aug. 1, 1975 (1445 hours) has been revised to 2130 mg/L, superseding figure previously published.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	SUS- PENDE D SEDI- MENT (MG/L)	SUS- PENDE D SEDI- MENT (T/DAY)
MAR				
03...	1500	458	563	696
03...	1520	548	3620	5360
03...	1600	1250	2760	9320
03...	1605	1380	3160	11800

YAZOO RIVER BASIN

07280340 SOUTH FORK TILLATOBA CREEK NEAR CHARLESTON, MS

LOCATION.--Lat 33°58'42", long 89°58'45", in NE¼ sec.4, T.24 N., R.3 E., Choctaw Meridian, Tallahatchie County, Hydrologic Unit 08030202, on left bank, 80 ft (24 m) downstream from left end of bridge on county road, 1.9 mi (3.1 km) south of intersection of county road and Mississippi Highway 32, 4.8 mi (7.7 km) west of Tillatoba and 4.8 mi (7.7 km) east-southeast of Charleston.

DRAINAGE AREA.--53.9 mi² (140 km²).

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

GAGE.--Water-stage recorder. Altitude of gage is 215 ft (65.5 m), from topographic map.

REMARKS.--Records fair. Doubtful or no gage-height record Jan. 1 to Mar. 2, and Mar. 4.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,110 ft³/s (230 m³/s) Mar. 4, 1977, gage height 19.64 ft (5.986 m) (from floodmark), from rating curve extended above 1800 ft³/s (51.0 m³/s). Minimum daily discharge, 2.0 ft³/s (0.057 m³/s), Sept. 5, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,200 ft³/s (34 m³/s) and maximum (*), from rating curve extended above 1,800 ft³/s (51 m³/s):

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Mar. 4	Unknown	*8110	230	^a 19.64	5.986	Apr. 4	Unknown	4060	115	^b 14.10	4.298
Mar. 12	Unknown	3360	95.2	^b 12.9	3.93						

^a From floodmark.

^b From reconstructed graph.

Minimum daily discharge, 2.0 ft³/s (0.057 m³/s) Sept. 5.

DISCHARGE, IN CUBIC FEET PER SECOND, 1975, NOT PREVIOUSLY PUBLISHED
MEAN VALUES

DAY	JULY	AUG	SEP	DAY	JULY	AUG	SEP	DAY	JULY	AUG	SEP
1	---	719	5.5	11	28	22	14	21	6.1	9.0	10
2	---	151	5.0	12	21	20	19	22	5.5	7.6	6.0
3	---	92	4.9	13	27	24	16	23	5.4	6.4	5.0
4	---	309	4.7	14	20	13	9.9	24	5.4	5.5	4.5
5	---	31	4.7	15	13	12	8.3	25	71	4.7	4.0
6	---	40	139	16	6.4	11	5.4	26	81	6.8	4.0
7	---	31	15	17	5.7	10	4.9	27	37	5.5	3.8
8	32	22	11	18	5.4	14	4.9	28	43	5.4	3.8
9	27	32	55	19	8.7	14	4.9	29	22	8.3	3.5
10	31	27	73	20	7.2	11	20	30	14	6.8	5.0
								31	---	6.1	---
TOTAL									---	1677.1	474.7
MEAN									---	54.1	15.8
MAX									---	719	139
MIN									---	4.7	3.5
CFSM									---	1.00	.29
IN.									---	1.16	.33

07280340 SOUTH FORK TILLATOBA CREEK NEAR CHARLESTON, MS--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.7	14	17	24	35	24	22	12	4.5	2.9	12	2.4
2	4.5	11	15	25	30	16	24	11	4.2	6.4	6.1	2.3
3	4.2	9.9	14	31	28	1850	281	14	4.2	3.4	3.6	2.1
4	3.9	9.0	12	28	35	2780	2520	40	4.0	3.0	3.3	2.1
5	4.9	8.7	11	26	130	168	240	18	4.0	2.9	3.1	2.0
6	13	11	17	24	100	75	75	13	4.0	2.9	2.9	6.8
7	7.0	9.9	45	23	40	100	52	9.4	3.9	3.0	2.8	3.5
8	5.0	7.9	12	34	20	86	39	9.0	3.8	2.9	2.8	2.7
9	4.7	8.7	10	130	15	82	26	7.9	3.8	21	2.6	2.6
10	4.9	12	8.3	310	12	78	21	6.4	3.8	196	2.6	2.6
11	3.9	12	8.3	76	11	131	17	6.1	3.8	11	2.6	2.5
12	4.5	17	36	64	35	1420	16	5.7	3.8	5.0	2.5	2.2
13	6.0	13	9.8	58	25	144	15	5.4	3.9	3.8	2.5	2.5
14	9.0	9.9	9.3	420	18	95	14	5.4	4.8	3.3	2.5	4.3
15	5.0	15	14	300	15	78	13	5.4	24	3.6	2.5	3.2
16	4.3	12	15	130	12	71	11	5.4	11	3.6	2.5	2.5
17	4.7	9.0	11	30	10	64	11	5.2	30	11	24	2.4
18	4.5	8.7	9.0	21	9.0	47	36	5.2	4.5	16	15	2.9
19	4.5	8.3	8.7	110	8.0	41	54	5.0	4.3	4.7	3.7	72
20	7.2	20	56	30	50	47	28	5.0	3.9	6.4	3.3	14
21	6.1	27	34	20	20	31	38	5.0	5.2	12	3.1	4.3
22	5.2	19	20	17	12	27	70	5.0	3.3	6.8	2.9	3.8
23	4.9	12	18	50	10	22	42	5.0	3.0	68	2.8	3.8
24	4.9	9.0	15	78	44	20	34	5.0	2.9	68	2.9	14
25	38	9.0	300	21	13	20	27	4.8	2.8	140	28	32
26	17	28	91	19	10	20	19	4.8	3.9	11	9.0	8.7
27	12	51	42	110	86	20	16	4.8	3.6	7.6	3.5	8.3
28	8.7	110	28	30	114	110	15	4.8	3.0	182	2.8	5.2
29	8.7	68	24	20	---	52	14	4.8	2.9	81	2.8	194
30	30	27	22	17	---	32	13	4.8	2.9	30	2.6	48
31	24	---	32	50	---	24	---	5.0	---	19	2.5	---
TOTAL	269.9	587.0	964.4	2326	947.0	7775	3803	248.3	167.7	938.2	165.8	459.7
MEAN	8.71	19.6	31.1	75.0	33.8	251	127	8.01	5.59	30.3	5.35	15.3
MAX	38	110	300	420	130	2780	2520	40	30	196	28	194
MIN	3.9	7.9	8.3	17	8.0	16	11	4.8	2.8	2.9	2.5	2.0
CFSM	.16	.36	.58	1.39	.63	4.66	2.36	.15	.10	.56	.10	.28
IN.	.19	.41	.67	1.61	.65	5.37	2.62	.17	.12	.65	.11	.32

CAL YR 1976 TOTAL 19479.7 MEAN 53.2 MAX 1760 MIN 2.9 CFSM .99 IN 13.44
WTR YR 1977 TOTAL 18652.0 MEAN 51.1 MAX 2780 MIN 2.0 CFSM .95 IN 12.87

WATER-QUALITY RECORDS

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

REMARKS.--Sediment samples are collected by a local observer.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDE SEDIM- ENT CHARGE (MG/L)	SUS- PENDE SEDIM- ENT CHARGE (T/DAY)
MAR				
03...	1530	1620	4400	19200
03...	1535	1960	5040	26700
03...	1635	3500	1690	16000
03...	1645	3560	2190	21100
03...	1845	4300	719	8350
03...	1900	4330	5660	66200
03...	2110	5820	3670	57700
03...	2120	6030	7950	129000
03...	2130	6000	110	1780
03...	2200	6180	6110	102000
04...	0600	4950	3910	52300
04...	0630	4840	3840	50200

07281000 TALLAHATCHIE RIVER AT SWAN LAKE, MS

LOCATION.--Lat 33°51'35", long 90°16'35", on line between secs.14 and 15, T.23 N., R.1 W., Choctaw Meridian, Tallahatchie County, Hydrologic Unit 08030202, on downstream side of left pier of highway bridge, 1.0 mi (1.6 km) southeast of Swan Lake, 3.0 mi (4.8 km) downstream from Cassidy Bayou, and 18.0 mi (29.0 km) downstream from point where Panola-Quitman floodway empties into Tallahatchie River.

DRAINAGE AREA.--5,130 mi² (13,290 km²), approximately.

PERIOD OF RECORD.--November 1929 to September 1938 (except low-water periods). October 1938 to September 1976. Monthly discharge only for some periods, published in WSP 1311. Gage-height records collected in same vicinity since November 1904 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1711: 1932(M).

GAGE.--Water-stage recorder. Datum of gage is 113.38 ft (34.558 m) above mean sea level. Prior to Oct. 11, 1934, nonrecording gage at datum 2.00 ft (0.610 m) higher; Oct. 11, 1934, to Sept. 18, 1944, nonrecording gage at present datum; and Sept. 19, 1944, to Dec. 31, 1958, water-stage recorder at present datum; all at site 1.3 mi (2.1 km) upstream. Oct. 4, 1944, to Dec. 31, 1958, auxiliary water-stage recorder at site 2.8 mi (4.5 km) downstream from former base gage at datum 0.95 ft (0.290 m) lower. Nov. 22, 1939, to Oct. 3, 1944, auxiliary nonrecording gage at site 3.8 mi (6.1 km) downstream from former base gage at same datum.

REMARKS.--Flow partly regulated by Sardis Lake on Little Tallahatchie River (see station 07272000), Enid Lake on Yocona River (see station 07274500), and Arkabutla Lake on Coldwater River (see station 07278000).

COOPERATION.--Results of 53 discharge measurements and records of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

AVERAGE DISCHARGE.--38 years (1938-76), 7,524 ft³/s (213.1 m³/s), 19.92 in/yr (506 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 49,200 ft³/s (1,390 m³/s) Apr. 9, 1933; maximum gage height, 37.0 ft (11.278 m) Jan. 15, 1932, present datum (affected by break in levee); minimum daily discharge determined, 213 ft³/s (6.03 m³/s) Oct. 27, 1942; minimum gage height, 1.38 ft (0.421 m) Oct. 26-28, 1942.

EXTREMES FOR WATER YEAR 1976: Maximum discharge, 16,300 ft³/s (462 m³/s) Mar. 14, gage height, 26.99 ft (8.227 m); minimum daily, 2,550 ft³/s (72.2 m³/s) Apr. 23.

NOTE.--Records for 1977 water year will be published in a subsequent report.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6760	7310	11000	5170	5760	12100	10500	6700	4540	6250	4060	3850
2	7070	7440	11500	6270	5180	11700	10200	6600	4500	5640	4080	3850
3	7020	7590	11700	9640	4810	11400	9910	6380	4600	5210	4030	3880
4	7000	8030	11800	11700	4720	11100	9620	6220	5180	4990	3920	3940
5	6910	8740	11800	11900	4850	11300	9070	6040	5120	4840	3880	4380
6	6850	9640	11900	10700	7830	11900	8520	5920	4700	4800	3890	4400
7	6780	10400	12000	10000	8930	12200	8030	5710	4540	4780	3900	4280
8	6380	10700	12000	9610	9000	12600	7440	5440	4480	4450	3890	4140
9	6050	10800	11700	9100	8160	13900	6900	5360	4450	3900	3820	4120
10	5090	10200	11300	8560	7120	14800	6160	5270	4410	3900	3520	4030
11	4450	9600	10800	8050	6770	15500	5170	5380	4400	4080	3140	3920
12	5770	9000	10200	7710	6690	15700	4350	5680	4390	4110	3160	3790
13	6450	8530	9670	7350	6530	15900	3830	5960	4360	4110	3170	3230
14	6540	7840	9140	7790	6300	15900	3440	6140	4330	4060	3180	3120
15	6430	7060	8710	7990	6160	15600	3230	5840	4310	4030	3170	3500
16	6700	6390	8310	7850	6050	15100	3080	5380	4920	4010	3150	3940
17	6700	5640	7970	7750	6010	14200	3020	5100	5450	4040	3160	4000
18	6590	5000	7650	7650	9870	12800	2810	4920	5190	4060	3160	3980
19	6530	6660	7140	7520	11400	12100	2740	4710	5550	3990	3230	3920
20	6660	7880	6230	7370	12100	11400	2670	4570	5840	3960	3460	3870
21	6730	8180	5400	6870	12800	11000	2640	4800	5860	3940	3570	3810
22	6780	8310	4900	6400	13400	10700	2610	4790	5580	3940	4110	3700
23	6830	8430	4610	6110	13700	10400	2550	4490	5340	3940	4250	3650
24	6880	8500	4520	6000	13900	9780	2580	4370	5050	3940	4260	3620
25	6920	8580	4680	6500	13900	9140	3720	4330	4980	3920	4120	3600
26	6930	8940	6360	8870	13700	9200	5310	4260	5320	3930	3960	3690
27	6910	9570	7100	9430	13200	9650	5890	4320	6060	4020	3880	4000
28	6870	9960	6610	8870	12900	10300	5930	4880	6630	4060	3840	4240
29	6820	10100	5800	8130	12500	10300	6120	5220	6930	3990	3870	4880
30	6810	10400	5170	7300	---	10400	6460	4950	6720	3970	3890	5020
31	7020	---	4990	6470	---	10400	---	4680	---	3980	3870	---
TOTAL	204630	255420	262660	250630	264240	378470	164500	164410	153730	132840	114590	118350
MEAN	6601	8514	8473	8085	9112	12210	5483	5304	5124	4285	3696	3945
MAX	7070	10800	12000	11900	13900	15900	10500	6700	6930	6250	4260	5020
MIN	4650	5000	4520	5170	4720	9140	2550	4260	4310	3900	3140	3120

CAL YR 1975 TOTAL 3967810 MEAN 10870 MAX 22900 MIN 4520 (+) -318
WTR YR 1976 TOTAL 2464470 MEAN 6734 MAX 15900 MIN 2550 (+) -355

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

07282000 YALOBUSHA RIVER AT CALHOUN CITY, MS

LOCATION.--Lat 33°50'20", Long 89°18'55", in SE4SE4 sec.23, T.23 N., R.9 E., Choctaw Meridian, Calhoun County, Hydrologic Unit 08030205, on left bank of Yalobusha River Canal at downstream side of bridge on State Highway 9, 0.8 mi (1.3 km) upstream from Topashaw Creek, 1.2 mi (1.9 km) south of Calhoun City, 1.5 mi (2.4 km) upstream from old channel, and 4.8 mi (7.7 km) upstream from Topashaw Creek Canal. Records include flow in Topashaw Creek Canal and all supplemental channels.

DRAINAGE AREA.--305 mi² (790 km²), combined drainage area of all channels.

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

REVISED RECORDS.--WRD Miss. 1970. 1969(M).

GAGE.--Water-stage recorder and nonrecording gage read once daily. Datum of gage is 226.06 ft (68.903 m) above mean sea level (levels by Corps of Engineers). Prior to Jan. 1, 1972, datum of gage was 10.00 ft (3.048 m) higher. Prior to Nov. 15, 1950, nonrecording gage at site 75 ft (23 m) downstream at same datum. Water-stage recorder and nonrecording gage read once daily on Topashaw Creek Canal, 2.5 mi (4.0 km) southwest of base gage. Prior to Aug. 16, 1963, nonrecording gage and crest-stage gage on Topashaw Creek Canal.

REMARKS.--Records fair. Discharge computed by combining the flow of individually rated Yalobusha River and Topashaw Creek Canal. Channel rectification of both Yalobusha River and Topashaw Creek was completed in 1967.

AVERAGE DISCHARGE.--27 years, 392 ft³/s (11.10 m³/s), 17.45 in/yr (443 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 52,100 ft³/s (1,480 m³/s) Mar. 16, 1973; maximum gage height at river gage, 25.22 ft (7.687 m) Mar. 29, 1951 (present datum); no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 11,000 ft³/s (312 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 9	1530	12400 351	18.76 5.718	Mar. 12	0415	12700 360	20.60 6.279
Mar. 4	0400	*29300 830	23.69 7.221	Apr. 4	1645	13300 377	21.99 6.703

Minimum daily discharge, 0.72 ft³/s (0.020 m³/s) Sept. 5.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.6	24	45	78	29	313	54	13	2.1	2.6	29	.20
2	5.4	15	32	112	27	189	266	12	1.6	2.0	10	.18
3	2.5	11	23	84	27	2380	1550	13	1.4	.80	5.6	.18
4	6.7	6.3	16	89	23	14500	7800	268	1.2	.64	4.1	.16
5	5.8	2.8	14	96	21	3670	2770	158	1.1	.57	3.7	.16
6	67	2.2	13	175	19	2060	5720	115	1.1	.50	3.2	.97
7	22	1.6	21	505	18	988	1110	16	1.3	.57	3.0	1.5
8	14	1.4	15	183	17	502	158	17	.97	.50	2.9	1.4
9	12	1.2	9.0	2860	16	245	93	44	.97	1.1	3.5	2.0
10	10	2.0	6.7	1960	15	172	73	32	.88	310	2.6	1.7
11	7.6	5.2	24	584	20	179	58	18	.88	118	2.1	1.5
12	7.6	4.5	125	270	69	3880	49	13	.80	11	1.9	1.1
13	6.7	3.6	105	156	39	1440	43	8.4	.88	4.3	1.6	.64
14	5.4	2.8	61	1080	60	726	39	6.8	.88	2.4	1.5	.57
15	3.1	2.2	39	755	56	253	32	5.1	1.2	1.7	1.5	5.3
16	2.5	1.6	26	306	52	152	28	4.7	2.1	1.5	1.4	19
17	5.4	5.8	24	150	49	110	24	3.9	13	1.4	1.9	20
18	8.5	5.4	21	500	45	92	22	3.5	17	1.1	5.3	19
19	5.8	4.5	20	350	43	80	23	2.9	9.2	1.1	3.2	105
20	10	4.1	285	250	45	109	23	2.7	5.6	1.6	1.6	54
21	9.0	6.7	174	151	45	86	23	2.6	3.4	2.7	1.0	5.8
22	7.2	13	85	72	38	75	63	2.3	2.1	2.7	.76	3.5
23	6.3	6.7	57	68	44	62	48	2.1	1.5	4.1	.62	2.1
24	8.1	4.9	39	370	535	54	37	2.0	1.2	7.0	.46	3.4
25	97	3.4	767	302	268	50	29	4.5	1.5	28	.43	24
26	38	2.5	719	166	268	45	23	3.7	4.1	10	.38	14
27	15	6.3	234	141	990	43	19	8.1	2.6	5.6	.33	30
28	7.2	56	106	133	413	168	17	6.0	1.4	3.9	.30	28
29	7.2	165	85	198	---	203	15	2.9	1.1	7.0	.27	873
30	93	72	80	185	---	99	14	2.1	.97	288	.24	418
31	42	---	130	168	---	65	---	2.7	---	533	.22	---
TOTAL	545.6	443.7	3400.7	12497	3291	32990	20223	796.0	84.03	1355.38	94.61	1636.36
MEAN	17.6	14.8	110	403	118	1064	674	25.7	2.80	43.7	3.05	54.5
MAX	97	165	767	2860	990	14500	7800	268	17	533	29	873
MIN	2.5	1.2	6.7	68	15	43	14	2.0	.80	.50	.22	.16
CFSM	.06	.05	.36	1.32	.39	3.49	2.21	.08	.009	.14	.01	.18
IN.	.07	.05	.41	1.52	.40	4.02	2.47	.10	.01	.17	.01	.20
CAL YR 1976 TOTAL	143106.80			MEAN 391	MAX 9720	MIN 1.2	CFSM 1.28	IN 17.45				
WTR YR 1977 TOTAL	77357.38			MEAN 212	MAX 14500	MIN .16	CFSM .70	IN 9.44				

YAZOO RIVER BASIN

07283000 SKUNA RIVER AT BRUCE, MS

LOCATION.--Lat 33°58'25", long 89°20'50", in SW¼SW¼ sec.6, T.13 S., R.1 W., Chickasaw Meridian, Calhoun County, Hydrologic Unit 08030205, near right bank on downstream side of bridge on State Highway 9, 1 mi (1.6 km) south of Bruce.

DRAINAGE AREA.--254 mi² (658 km²).

PERIOD OF RECORD.--October 1947 to current year. Prior to March 1948 monthly discharge only, published in WSP 1311.

REVISED RECORDS.--WSP 1920: 1958(P), 1959-60(M).

GAGE.--Water-stage recorder. Datum of gage is 228.75 ft (69.723 m) above mean sea level (levels by Corps of Engineers). Prior to Jan. 1, 1972, at datum 10.00 ft (3.048 m) higher. October 1947 to Aug. 30, 1948, nonrecording gage; Aug. 31, 1948, to Mar. 23, 1955, water-stage recorder; and Mar. 24, 1955, to Sept. 12, 1958, nonrecording gage at same site.

REMARKS.--Records fair prior to Jan. 25, and poor thereafter. No gage-height record Feb. 13 to Mar. 4.

AVERAGE DISCHARGE.--30 years, 362 ft³/s (10.25 m³/s), 19.35 in/yr (491 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 61,400 ft³/s (1,740 m³/s) Mar. 21, 1955, gage height, 34.11 ft (10.397 m, present datum), from rating curve extended above 19,000 ft³/s (538 m³/s) on basis of incomplete current-meter measurement and computation of flow over the road and through bridge openings; minimum, 0.9 ft³/s (0.025 m³/s) Aug. 18, 1954.

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

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Mar. 4	About 0600	*28700	813	^a 28.36	8.644	Apr. 4	1400	26000	736	27.38	8.345
Mar. 12	0600	16600	470	23.38	7.126						

^a From floodmark.

Minimum daily discharge, 6.2 ft³/s (0.18 m³/s) June 11, 12.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	41	62	127	56	160	115	36	15	11	29	8.2
2	14	28	51	101	52	140	123	33	9.2	12	17	8.1
3	14	23	44	107	53	500	1250	35	7.2	11	12	8.0
4	13	21	39	147	56	19100	18100	650	6.7	10	10	8.0
5	13	19	36	166	53	1600	4430	120	6.5	9.0	8.6	8.5
6	32	21	36	221	47	1560	1000	50	7.0	8.5	8.1	12
7	28	22	56	588	42	500	525	34	8.9	8.2	7.8	16
8	18	20	59	218	40	400	280	28	7.2	8.0	7.2	12
9	17	22	42	462	40	325	225	162	6.7	11	7.5	10
10	16	22	36	616	40	300	140	43	6.5	30	7.2	9.0
11	15	22	39	320	39	320	115	24	6.2	36	7.5	8.5
12	14	21	155	207	50	8660	105	21	6.2	50	8.6	8.0
13	14	21	149	172	60	1090	95	19	6.5	15	8.4	30
14	13	21	74	423	50	450	90	17	8.9	10	7.5	15
15	13	22	53	518	45	325	80	15	10	7.8	14	23
16	13	22	46	299	42	200	70	15	10	8.9	20	15
17	14	21	40	153	40	175	65	14	12	7.5	15	10
18	14	22	36	137	40	160	63	14	13	7.0	30	7.8
19	14	21	34	254	39	145	67	12	14	7.0	20	140
20	15	22	472	107	38	160	62	10	16	8.0	12	93
21	17	24	315	104	38	145	62	9.2	14	8.5	10	23
22	15	22	119	93	38	135	170	8.6	11	7.8	9.5	12
23	14	20	85	88	60	122	130	8.6	11	7.5	9.2	9.2
24	15	21	72	224	600	115	105	8.4	10	10	9.0	11
25	58	21	513	242	200	110	85	8.4	12	55	8.8	64
26	71	24	610	130	150	105	70	7.8	14	140	8.6	37
27	30	63	259	100	500	109	55	8.6	14	66	8.5	52
28	21	186	177	82	250	270	45	11	13	26	8.5	138
29	18	354	133	72	---	218	42	9.2	11	35	8.4	354
30	189	94	109	68	---	162	38	8.0	9.0	64	8.4	283
31	115	---	163	60	---	130	---	44	---	155	8.3	---
TOTAL	882	1283	4114	6606	2758	37891	27802	1483.8	302.7	850.7	354.6	1433.3
MEAN	28.5	42.8	133	213	98.5	1222	927	47.9	10.1	27.4	11.4	47.8
MAX	189	354	610	616	600	19100	18100	650	16	155	30	354
MIN	13	19	34	60	38	105	38	7.8	6.2	7.0	7.2	7.8
CFSM	.11	.17	.52	.84	.39	4.81	3.65	.19	.04	.11	.05	.19
IN.	.13	.19	.60	.97	.40	5.55	4.07	.22	.04	.12	.05	.21
CAL YR 1976	TOTAL	82350.0	MEAN	225	MAX	5580	MIN	10	CFSM	.89	IN	12.06
WTR YR 1977	TOTAL	85761.1	MEAN	235	MAX	19100	MIN	6.2	CFSM	.93	IN	12.56

07284500 GRENADA LAKE NEAR GRENADA, MS

LOCATION.--Lat 33°48'31", long 89°46'14", in NE¼NE¼ sec.4, T.22 N., R.5 E., Choctaw Meridian, Grenada County, Hydrologic Unit 08030205, at gatehouse of dam on Yalobusha River, 2.2 mi (3.5 km) upstream from Batupan Creek, 3.0 mi (5.0 km) northeast of Grenada, and 63.6 mi (102 km) upstream from mouth of Yalobusha River.

DRAINAGE AREA.--1,320 mi² (3,420 km²), approximately.

PERIOD OF RECORD.--July 1953 to current year. Prior to October 1970, published as Grenada Reservoir near Grenada.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to Dec. 19, 1953, nonrecording gage at same site. Prior to Oct. 1, 1958, at datum 160.00 ft (48.768 m) above mean sea level.

REMARKS.--Reservoir is formed by a rolled-fill earth dam with concrete spillway and outlet tunnel. Storage began June 30, 1953. Capacity, 1,337,400 acre-ft (1,650 hm³) at elevation 231.0 ft (70.41 m), crest of spillway, of which about 1,251,700 acre-ft (1,540 hm³) is available for flood-control storage and about 85,700 acre-ft (106 hm³) of storage is maintained in conservation pool for incidental recreational purposes at elevation 193.0 ft (58.83 m), 24 ft (7.3 m) above sill of outlet gates. Water below 169.0 ft (51.51 m) cannot be withdrawn through outlet tunnel. Figures given herein represent total contents.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,575,600 acre-ft (1,940 hm³) Apr. 28, 1973, elevation, 234.48 ft (71.470 m); minimum since initial filling of reservoir to conservation level, 69,900 acre-ft (82.5 hm³) Dec. 4, 1962, elevation, 190.95 ft (58.202 m).

EXTREMES FOR CURRENT YEAR.--Maximum contents, 812,600 acre-ft (1,000 hm³) Apr. 9, elevation 221.46 ft (67.501 m); minimum, 82,900 acre-ft (102 hm³) Nov. 29, elevation, 192.71 ft (58.738 m).

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

190	59.0	210	389.1
195	106.5	215	549.3
200	171.8	220	747.3
205	264.3	225	986.6

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1977
INSTANTANEOUS OBSERVATIONS AT 0400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	246500	141400	85000	127300	223200	231300	606400	775100	658400	528200	514200	472300
2	241600	136800	85200	125100	222500	234400	604100	773800	652800	525700	514200	468100
3	237200	131900	85200	123800	222100	235600	606400	771100	649200	520800	513500	461700
4	232400	126300	84900	124500	221700	285500	624000	769300	644100	516600	512500	456600
5	226900	123300	84700	130300	221500	411600	741700	768500	639000	511800	510800	450800
6	219500	120500	84300	129500	221300	466800	792500	765800	632700	507400	511100	448300
7	218700	117700	84300	129600	220800	490700	805800	762700	630300	503000	509400	441500
8	213500	115000	84200	132000	219600	503000	809900	759200	623600	498300	508400	436900
9	208200	111500	84000	135100	219100	509400	812600	756100	617800	495300	507100	431400
10	203300	107400	83700	148900	218500	513200	812600	752100	614000	500400	505700	426600
11	198300	104200	83600	171500	218000	516300	812600	748200	609000	501000	504400	421400
12	193300	106300	84100	184000	217600	536900	810800	744300	603700	503000	502700	416000
13	188400	104900	84700	190400	217400	579200	809000	740400	599500	504400	501000	410500
14	184100	103400	85400	192200	217200	601100	807600	736500	594600	505100	499000	407600
15	179300	101900	86700	203700	217000	607500	804400	733100	593100	504700	497300	402600
16	177200	100000	87500	211500	216100	612500	802600	729300	588200	504400	496000	397400
17	174500	98200	88100	215000	215700	611700	799400	725500	585900	504400	495300	392800
18	172000	96400	88700	217600	214800	608700	796200	721600	581400	503700	496000	387100
19	169400	94700	89200	214000	214300	611700	795700	717800	578900	504400	494000	384100
20	167500	93500	90700	214000	213700	612100	793900	713200	574100	504400	491300	390200
21	165400	91900	94000	214300	213300	612500	795700	709100	570100	505100	489700	384300
22	163600	90300	97300	214500	212200	610500	795700	703000	565300	504700	488000	379100
23	161700	88700	99200	218500	211700	609000	796200	699300	561300	504400	486300	374100
24	159900	86900	100000	218900	212800	609000	795700	694700	556600	504400	484400	368900
25	158000	83600	102700	219800	214100	606800	793900	690200	551500	504000	484400	367500
26	159900	94000	107700	221100	215000	605600	790700	685700	549700	504000	482000	363400
27	158400	93100	115200	222500	220600	604500	785300	681600	544700	505700	480700	358900
28	157200	93100	114500	223200	228100	605800	780900	676700	540400	505400	479100	357000
29	152700	82900	122200	223600	---	606800	778200	672200	536200	507700	477400	353000
30	149300	84300	124300	223400	---	608300	776900	667300	533100	509800	475800	361200
31	145400	---	126400	223200	---	606800	---	664000	---	510800	474200	---
MAX	246500	141400	126400	223600	228100	612500	812600	775100	658400	528200	514200	472300
MIN	145400	82900	83600	127300	211700	231300	604100	664000	533100	495300	474200	353000
(†)	198.00	192.91	196.75	207.97	203.34	216.55	220.64	217.92	214.45	213.93	212.75	209.00
(‡)	-105300	-58100	+42100	+207500	-104100	+376500	+168700	-115100	-130500	-18100	-39200	-111100

C&L YR 1976 MAX 725500 MIN 82900 (‡) -262200
WTR YR 1977 MAX 812600 MIN 82900 (‡) +113300

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

YAZOO RIVER BASIN

07285000 YALOBUSHA RIVER AT GRENADA DAM, NEAR GRENADA, MS

LOCATION.--Lat 33°48'31", long 89°46'14", in NE¼NE¼ sec.4, T.22 N., R.5 E., Choctaw Meridian, Grenada County, Hydrologic Unit 08030205, in gatehouse of Grenada Dam, 2.2 mi (3.5 km) upstream from Batupan Creek, 3 mi (5 km) northeast of Grenada, and 63.6 mi (102.3 km) upstream from mouth.

DRAINAGE AREA.--1,320 mi² (3,420 km²), approximately.

PERIOD OF RECORD.--July 1953 to September 1976.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to Dec. 19, 1953, nonrecording gage at same site. Prior to Oct. 1, 1958, at datum 160.00 ft (48.768 m) above mean sea level.

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

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

AVERAGE DISCHARGE.--23 years, 1,885 ft³/s (53.38 m³/s), 19.39 in/yr (493 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 6,510 ft³/s (184 m³/s) Feb. 12, 1974; no flow at times prior to Jan. 1, 1959.

EXTREMES FOR WATER YEAR 1976.--Maximum discharge, 4,330 ft³/s (123 m³/s) Oct. 3; minimum daily 5 ft³/s (0.14 m³/s) at times.

NOTE.--Records for 1977 water year will be published in a subsequent report.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2990	5.0	2220	4060	3800	2320	300	1410	1740	1720	1680	1790
2	3390	5.0	2220	2800	3930	2180	301	1410	1740	1720	1680	1790
3	4330	5.0	2220	281	3970	2170	302	2270	1200	1710	1680	1790
4	4270	5.0	2220	288	3900	2170	302	2480	566	1710	1670	1780
5	4200	5.0	2220	251	3100	2170	302	1400	1820	1710	1670	1780
6	4120	5.0	2220	841	276	2190	302	1400	1820	1710	1660	1780
7	4040	5.0	2220	340	282	2200	302	1400	1810	1230	1660	1780
8	3970	5.0	2230	4100	285	2210	302	1400	1810	1750	1660	1770
9	3900	5.0	2230	4090	1220	2240	302	1400	1810	1750	1830	1800
10	4000	5.0	2230	4060	3080	2270	302	1510	1800	1750	2130	1840
11	4050	5.0	2220	4030	3600	2280	302	1760	1800	1750	2130	1840
12	3970	5.0	2220	4020	3560	2280	302	1760	1800	1740	2120	1840
13	3880	5.0	2220	4000	3520	2280	302	1760	1790	1740	2120	1830
14	2310	5.0	2210	3990	3480	2280	302	1770	1790	1740	2110	1830
15	5.0	5.0	2210	2600	3440	2280	302	1770	1790	1730	2100	1820
16	5.0	5.0	2210	3930	3390	2280	302	1770	909	1730	2100	1820
17	5.0	5.0	2200	3900	3350	2280	302	1770	314	1730	2040	1810
18	5.0	5.0	2200	3870	3390	2280	302	1770	1120	1730	1940	1800
19	5.0	5.0	3390	4020	3510	2280	302	1770	1750	1720	2340	1800
20	5.0	5.0	4000	4090	3760	2280	302	1220	1750	1720	2830	1790
21	5.0	471	3960	4040	3870	2290	302	556	1740	1720	1840	1780
22	5.0	1970	3900	4000	3680	2310	302	1770	1740	1710	1840	1780
23	5.0	2210	4020	3940	3710	2320	302	1770	1740	1710	1830	1770
24	5.0	2210	4130	3900	3720	2320	611	1760	1730	1710	1830	1760
25	5.0	2200	3820	3860	3690	2170	766	1760	1730	1710	1820	1760
26	5.0	2200	3130	3880	3660	1060	766	1760	1730	1700	1820	1750
27	5.0	2210	3170	3940	3620	286	766	1760	1730	1700	1810	2070
28	5.0	2210	3190	3940	3580	290	1150	1750	1730	1700	1810	2510
29	5.0	2210	3620	3930	3540	292	1410	1750	1720	1690	1800	2460
30	5.0	2210	4130	3890	---	295	1410	1750	1720	1690	1800	2410
31	5.0	---	4090	3860	---	298	---	1750	---	1690	1800	---
TOTAL	53505.0	20201.0	88470	102781	91913	58851	13822	51336	48239	58280	59150	56130
MEAN	1726	673	2854	3316	3169	1898	461	1656	1608	1704	1908	1871
MAX	4330	2210	4130	4100	3970	2320	1410	2480	1820	1750	2830	2510
MIN	5.0	5.0	2200	281	276	286	300	556	314	1230	1660	1750
(†)	+29.3	+1576	-994	+224	+692	+4085	+287	-855	-1386	-1623	-2065	-1696

CAL YR 1975 TOTAL 1027562.0 MEAN 2815 MAX 5410 MIN 5.0 (†) +7.74
WTR YR 1976 TOTAL 697218.0 MEAN 1905 MAX 4330 MIN 5.0 (†) -147

† Change in contents, equivalent in cubic feet per second, in Grenada Lake (see station 07284500).

07287000 YAZOO RIVER AT GREENWOOD, MS

LOCATION.--Lat 33°31'17", long 90°11'03", in NE¼SW¼ sec.10, T.19 N., R.1 E., Choctaw Meridian, Leflore County, Hydrologic Unit 08030206, on left bank 110 ft (33.5 m) downstream from bridge on U.S. Highways 49E and 82 (old) in Greenwood, 0.4 mi (0.6 km) downstream from Palusha Bayou, 3 mi (5 km) downstream from confluence of Tallahatchie and Yalobusha Rivers, and at mi 170.8 (274.8 km).

DRAINAGE AREA.--7,450 mi² (19,300 km²), approximately.

PERIOD OF RECORD.--October 1907 to December 1912, April to June 1913, and October 1927 to September 1976. Monthly discharge only for some periods, published in WSP 1311. January 1909 to December 1927 (discharge measurements only), January 1928 to 1964 in reports of Mississippi River Commission, and since January 1947 in reports of Corps of Engineers. Gage-height records collected at same site since 1904 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder, and nonrecording gage read twice daily. Datum of gage is 92.07 ft (28.063 m) above mean sea level. Prior to Oct. 1, 1940, nonrecording gages on highway bridges 110 ft (33.5 m) upstream at various datums.

REMARKS.--Flow partly regulated since Aug. 26, 1939, by Sardis Lake on Tallahatchie River (see station 07272000), Enid Lake on Yocona River (see station 07274500), Arkabutla Lake on Coldwater River (see station 07278000), and Grenada Lake on Yalobusha River (see station 07284500). Discharge computed by combining flows of Yazoo River and Fort Pemberton cutoff since Mar. 16, 1973.

COOPERATION.--Results of 65 discharge measurements and records of daily discharge furnished by Corps of Engineers. Records reviewed by Geological Survey.

AVERAGE DISCHARGE.--54 years (1907-12, 1927-76), 10,255 ft³/s (290.4 m³/s), 18.69 in/yr (475 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 72,900 ft³/s (2,060 m³/s) Jan. 19, 1932, gage height, 40.10 ft (12.222 m); minimum, 536 ft³/s (15.2 m³/s) Oct. 20, 1943; minimum gage height observed, 1.0 ft (0.305 m) Oct. 17, 1908, present datum.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1882 reached a stage of 41.2 ft (12.56 m), caused by overflow from Mississippi River (discharge not determined), from reports of Mississippi River Commission.

EXTREMES FOR WATER YEAR 1976.--Maximum daily discharge, 22,500 ft³/s (637 m³/s) Mar. 10; minimum daily discharge, 3,440 ft³/s (97.4 m³/s) Apr. 23, 24.

NOTE.--Records for 1977 water year will be published in a subsequent report.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11400	7260	14800	12300	13200	19600	17400	8680	7600	9530	6300	6160
2	12000	7720	15000	12500	12300	19600	16500	8430	7500	8870	6500	6160
3	11200	8280	15000	17100	11200	18600	15400	8890	7300	8190	6500	6160
4	11200	9000	15000	18400	10600	18000	14500	8380	7190	7640	6370	6260
5	11200	11400	15000	18800	10500	17900	13900	8510	6460	10200	6210	6320
6	11100	16000	15500	18100	16400	19100	13000	8060	7180	9010	6100	6600
7	11100	18300	17900	17100	17600	18700	12100	7980	6920	7920	6100	6810
8	10900	17800	18000	16900	17700	19000	11100	7980	6790	7070	6100	6880
9	10500	16500	17200	16600	16900	22200	10300	7630	6480	6610	6090	6800
10	10200	15400	16500	16100	15900	22500	9600	7500	6360	6190	5990	6400
11	8230	14400	16000	15700	15300	22200	8410	7400	6250	6190	5980	6250
12	7850	13200	15500	15500	14900	21300	7240	7880	6190	6170	5970	6120
13	8080	12100	14800	15200	14700	20500	6200	8060	6190	6150	5850	6030
14	9910	11200	14200	15000	14500	20000	4170	8170	6190	6270	6100	5940
15	9890	10200	13600	14900	14000	19700	5240	9290	6190	6250	5800	5880
16	7970	9290	13200	14500	13500	20800	4680	10400	8380	6230	5750	5960
17	11000	8520	12700	14300	13000	20600	4310	8870	12100	6170	5700	6210
18	11600	8060	12300	14200	14600	20200	3910	7990	10300	6130	5650	6290
19	10300	7930	11900	13600	17700	19700	3910	7600	9270	6070	5580	6250
20	8360	8720	11800	13700	18400	19100	3670	7330	9270	6060	5530	6190
21	7560	9450	11400	13400	19000	20500	3670	7190	9560	6050	6430	6150
22	7420	10100	10900	12900	22000	20500	3550	6380	9340	6040	6410	6120
23	7250	11000	10400	12100	20800	19900	3440	6810	8990	6060	6390	6080
24	7180	11500	10000	11400	20900	19200	3440	6870	8600	6060	6520	6080
25	7370	11800	10100	11000	20900	18300	3910	6810	8060	6060	6650	6070
26	8500	12100	11200	14400	20800	17400	5730	6740	7780	5990	6550	6100
27	8610	13400	12300	15000	20600	17400	6810	6680	7790	6130	6520	6200
28	8270	13700	12600	15200	20400	17300	7400	8390	9200	6850	6400	6300
29	7900	13600	12300	14800	20000	16500	7720	8510	9880	6150	6280	6500
30	7500	13800	11800	14900	---	16800	8210	8280	10100	6000	6150	7280
31	7240	---	11500	14200	---	17800	---	8070	---	6100	6160	---
TOTAL	288790	351730	420400	459800	478300	600900	239420	245760	239410	210410	190630	188550
MEAN	9316	11720	13560	14830	16490	19380	7981	7928	7980	6787	6149	6285
MAX	12000	18300	18000	18800	22000	22500	17400	10400	12100	10200	6650	7280
MIN	7180	7260	10000	11000	10500	16500	3440	6380	6190	5990	5530	5880

CAL YR 1975 TOTAL 6056420 MEAN 16590 MAX 30500 MIN 7180 (+) -311
WTR YR 1976 TOTAL 3914100 MEAN 10690 MAX 22500 MIN 3440 (+) -501

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

YAZOO RIVER BASIN

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS
(National stream-quality accounting network station)
(National pesticide water monitoring program station)

LOCATION.--Lat 33°23'48", long 90°16'19", in NW¼ sec. 26, T.18 N., R.1 W., Choctaw Meridian, Leflore County, Hydrologic Unit 08030206, on downstream side of Poindexter Bridge on county road at Phillipstown, 1.8 mi (2.9 km) east of Shell Bluff, 2.5 mi (4.0 km) east of intersection of county road and State Highway 7, 4.8 mi (7.7 km) east of Morgan City, and at mile 149.8 (241.0 km).

DRAINAGE AREA.--7,650 mi² (19,810 km²), approximately.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1975 to current year.

WATER TEMPERATURE: October 1975 to current year.

INSTRUMENTATION.--Specific conductance/temperature recorder since October 1975.

REMARKS.--Specific conductance listed as 50 micromhos represent 50 micromhos or less due to instrument limitations. Interruptions in the record were due to malfunctions of the instrument. Stage-discharge relation based on intermittent discharge measurements.

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

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 115 micromhos Feb. 16, 1976; minimum, 48 micromhos Apr. 2, 1975.

WATER TEMPERATURES: Maximum, 29.0°C June 17, 1976; minimum, 4.0°C Jan. 6, 1976.

WATER QUALITY DATA. WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (7UM-MF) (COL./100 ML)	FECAL STREPTOCOCCI (COL. PER 100 ML)	HARDNESS (CA, MG)
OCT										
04...	1200	9430	90	7.2	23.0	20	7.1	500	<5	31
28...	1100	9590	104	6.5	13.0	50	10.2	810	1100	36
DEC										
09...	1100	4960	145	7.3	6.5	40	11.9	--	580	66
JAN										
06...	1100	4110	120	6.9	6.5	100	11.1	<10	1200	57
FEB										
10...	1000	7180	90	7.3	4.5	150	12.4	--	740	31
MAR										
09...	1200	22700	62	7.2	12.0	350	7.8	--	1600	17
16...	1100	19100	--	--	--	--	--	--	--	--
APR										
06...	1000	17500	44	7.0	15.0	330	7.4	7600	813000	16
MAY										
04...	1100	7130	92	6.9	22.0	70	7.3	400	840	32
JUN										
02...	1000	8390	84	6.9	26.5	100	6.1	440	380	25
30...	1000	8630	96	7.0	28.0	60	6.0	1200	8150	27
AUG										
04...	1100	6540	110	7.2	28.5	40	6.0	81500	610	36
SEP										
08...	1100	8020	83	6.7	28.0	95	6.7	1200	8360	26

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--CONTINUED

DATE	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT 04...	6	8.2	2.6	5.3	25	.4	2.1	31	0
28...	1	9.1	3.1	5.2	23	.4	2.0	42	0
DEC 09...	6	17	5.6	7.9	20	.4	2.4	73	0
JAN 06...	0	14	5.3	8.4	23	.5	2.7	69	0
FEB 10...	0	7.9	2.7	6.2	28	.5	2.4	38	0
MAR 09...	0	4.2	1.5	4.1	31	.4	2.3	22	0
16...	--	--	--	--	--	--	--	--	--
APR 06...	3	4.1	1.4	3.0	26	.3	2.2	16	0
MAY 04...	9	7.4	3.3	5.1	24	.4	2.5	28	0
JUN 02...	2	6.2	2.4	4.5	26	.4	2.0	29	0
30...	2	7.0	2.4	4.9	26	.4	2.2	31	0
AUG 04...	0	8.9	3.3	6.0	25	.4	2.2	47	0
SEP 08...	6	6.1	2.5	5.2	29	.4	2.0	24	0

DATE	ALKALINITY AS CaCO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (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)
OCT 04...	25	3.1	6.7	4.6	.2	6.0	76	51	.10
28...	34	21	6.7	4.1	.1	7.1	110	58	.15
DEC 09...	60	5.9	8.6	5.7	.1	11	102	94	.14
JAN 06...	57	14	11	6.3	.2	11	113	94	.15
FEB 10...	31	3.0	8.8	5.1	.2	8.8	70	61	.10
MAR 09...	18	2.2	6.6	3.1	.1	5.8	56	39	.08
16...	--	--	--	--	--	--	--	--	--
APR 06...	13	2.6	3.9	4.0	.1	6.0	44	33	.06
MAY 04...	23	5.6	8.1	4.3	.1	7.8	70	52	.10
JUN 02...	24	5.8	8.2	3.8	.1	6.3	68	48	.09
30...	25	5.0	8.8	3.7	.1	6.8	64	51	.09
AUG 04...	39	4.7	7.4	4.3	.1	8.5	80	64	.11
SEP 08...	20	7.7	7.3	4.2	.1	6.6	52	46	.07

YAZOO RIVER BASIN

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--CONTINUED

DATE	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL PHYTO- PLANK- TON (CELLS PER ML)	SUS- PENDE SEDIM- ENT (MG/L)	SUS- PENDE SEDIM- ENT CHARGE (T/DAY)
OCT									
04...	1940	.14	.46	.60	2.7	.09	4100	175	4460
28...	2850	.11	.55	.66	2.9	2.0	1800	190	4920
DEC									
09...	1370	.31	.61	.92	4.1	.13	2800	119	1590
JAN									
06...	1250	.22	1.4	1.6	7.2	.33	6800	214	2380
FEB									
10...	1360	.19	.86	1.1	4.6	.23	4400	179	3470
MAR									
09...	3430	.60	1.9	2.5	11	.62	--	693	42500
16...	--	--	--	--	--	--	--	--	--
APR									
06...	2080	.34	2.1	2.4	11	.64	--	1130	53400
MAY									
04...	1350	.46	.69	1.2	5.1	.28	1500	235	4520
JUN									
02...	1540	.39	.41	.80	3.5	.17	1600	296	6710
30...	1490	.34	.52	.86	3.8	.16	430	257	5990
AUG									
04...	1410	.29	.60	.89	3.9	.16	4000	260	4590
SEP									
08...	1130	.16	.40	.56	2.5	.18	21000	250	5410

DATE	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDE CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)	SUS- PENDE COBALT (CO) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)
OCT												
04...	2	2	0	0	0	1	10	4	6	2	2	0
JAN												
06...	6	4	2	0	0	0	20	16	4	3	1	2
APR												
06...	27	26	1	2	2	0	40	39	1	6	6	0
JUN												
30...	2	0	2	0	0	8	<10	<8	2	2	2	0

DATE	TOTAL COPPER (CU) (UG/L)	SUS- PENDE COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDE LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)
OCT												
04...	10	4	6	2400	60	20	16	4	290	280	10	.1
JAN												
06...	6	4	2	31000	20	51	47	4	770	170	600	.1
APR												
06...	27	18	9	22000	50	7	0	7	700	530	170	.0
JUN												
30...	6	2	4	6500	10	25	0	33	200	180	20	.0

DATE	SUS- PENDE MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDE ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	BIOMASS CHLORO- PHYLL RATIO PERI- PHYTON CHROMO- SPECT- METRIC (MG/M2)	CHLOR-A PERI- PHYTON CHROMO- SPECT- METRIC (MG/M2)	CHLOR-B PERI- PHYTON CHROMO- SPECT- METRIC (MG/M2)
OCT												
04...	.1	.0	0	0	0	70	30	40	5.5	--	--	--
JAN												
06...	.1	.0	1	0	1	30	0	30	8.6	12960	.095	.013
APR												
06...	.0	.0	0	0	0	80	70	10	7.8	--	--	--
JUN												
30...	.0	.0	0	0	0	20	0	40	--	--	--	--

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

[illegible]

YAZOO RIVER BASIN

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--CONTINUED

PHYTOPLANKTON ANALYSES, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE TIME	OCT 4.76 1200	OCT 28.76 1100	DEC 9.76 1100	JAN 6.77 1100	FEB 10.77 1000	
TOTAL CELLS/ML	4100	1800	2800	6800	4400	
DIVERSITY: DIVISION	0.0	1.6	0.8	1.5	1.0	
..CLASS	0.0	1.6	0.8	1.5	1.0	
..ORDER	0.3	2.0	1.6	2.0	1.8	
...FAMILY	0.3	2.2	1.9	2.3	2.0	
....GENUS	1.2	2.5	2.4	2.5	2.2	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)						
..CHLOROPHYCEAE						
...CHLOROCOCCALES	--	-	--	-	--	-
....CHARACIACEAE	--	-	--	-	--	-
....SCHROEDERIA	--	-	--	-	--	-
....HYDRODICTYACEAE	--	-	--	-	--	-
....PEDIASTRUM	--	-	--	-	--	-
....OOCYSTACEAE	--	-	--	-	--	-
....ANKISTRODESMUS	--	-	140	8	47	2
....DICTYOSPHAERIUM	--	-	--	-	63	2
....KIRCHNERIELLA	--	-	--	-	170	2
....OOCYSTIS	--	-	--	-	--	-
....SELENASTRUM	--	-	--	-	--	-
....TETRAEDRON	--	-	--	-	*	0
....SCENEDESMACEAE	--	-	--	-	--	-
....ACTINASTRUM	--	-	--	-	--	-
....CRUCIGENIA	--	-	--	-	97	1
....SCENEDESMUS	*	0	120	7	--	-
....TETRASTRUM	--	-	--	-	69	1
..VOLVOCALES	--	-	--	-	47	2
...CHLAMYDOMONADACEAE					110	2
....CARTERIA	--	-	--	-	--	-
....CHLAMYDOMONAS	--	-	--	-	--	-
....LOBOMONAS	--	-	--	-	--	-
....VOLVOCAEAE	--	-	--	-	*	0
....EUDORINA	--	-	--	-	--	-
....PLATYDORINA	--	-	--	-	--	-
..ZYGNEATALES					--	-
...DESMIDIACEAE					230	5
....COSMARIVM	--	-	--	-	--	-
....PLEUROTAEIVM	--	-	--	-	--	-
....STAUROSTRUM	--	-	--	-	--	-
CHRYSTOPHYTA						
..BACILLARIOPHYCEAE						
...CENTRALES						
....COSCINODISCACEAE						
....CYCLOTELLA	2700#	66	120	7	390	14
....MELOSIRA	1200#	28	460#	26	1100#	40
....STEPHANODISCUS	--	-	--	-	--	-
...PENNALES						
....ACHNANTHACEAE						
....COCCONEIS	--	-	--	-	--	-
....CYMBELLACEAF	--	-	--	-	--	-
....CYMBELLA	--	-	--	-	--	-
....RHOPALODIA	--	-	--	-	*	0
....DIATOMACEAE	--	-	--	-	*	0
....DIATOMA	--	-	--	-	--	-
....FRAGILARIACEAE	--	-	--	-	--	-
....ASTERIONELLA	--	-	--	-	--	-
....SYNEDRA	--	-	--	-	97	1
....GOMPHONEMATACEAE	--	-	--	-	--	-
....GOMPHONEMA	--	-	--	-	--	-
....NAVICULACEAE	--	-	--	-	--	-
....NAVICULA	--	-	--	-	--	-
....PINNULARIA	--	-	15	1	31	1
....STAURONEIS	--	-	15	1	42	1
....NITZSCHIIACEAE	--	-	--	-	*	0
....NITZSCHIA	--	-	--	-	--	-
....SURIRELLACEAE	260	6	190	10	770#	27
....SURIRELLA	--	-	--	-	680	10
....TABELLARIACEAE	--	-	--	-	--	-
....TABELLARIA	--	-	--	-	--	-
..CHRYSTOPHYCEAE						
...CHRYSONOMADALES						
....SYNURACEAE	--	-	--	-	--	-
....SYNURA	--	-	--	-	*	0

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--CONTINUED

PHYTOPLANKTON ANALYSES, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE TIME	OCT 4,76 1200		OCT 28,76 1100		DEC 9,76 1100		JAN 6,77 1100		FEB 10,77 1000	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CYANOPHYTA (BLUE-GREEN ALGAE)										
..CYANOPHYCEAE										
...CHROCOCCALES										
...CHROCOCCACEAE										
....AGMENELLUM	--	-	--	-	--	-	--	-	--	-
....ANACYSTIS	--	-	700#	38	16	1	190	3	--	-
...HORMOGONALES										
...NOSTOCACEAE										
....ANABAENA	--	-	--	-	--	-	--	-	--	-
....APHANIZOMENON	--	-	--	-	--	-	--	-	--	-
...OSCILLATORIA										
...OSCILLATORIA	--	-	--	-	31	1	2600#	39	450	10
EUGLENOPHYTA (EUGLENOIDS)										
..CRYPTOPHYCEAE										
...CRYPTOMONIDALES										
...CRYPTOMONODACEAE										
....CRYPTOMONAS	--	-	--	-	--	-	--	-	--	-
..EUGLENOPHYCEAE										
...EUGLENALES										
...EUGLENACEAE										
....EUGLENA	--	-	15	1	--	-	--	-	--	-
....TRACHELOMONAS	--	-	31	2	31	1	55	1	--	-
PYRRHOPHYTA (FIRE ALGAE)										
..DINOPHYCEAE										
...GYMNODINIALES										
...GYMNODINIACEAE										
....GYMNODINIUM	--	-	--	-	--	-	--	-	--	-
...PERIDINIALES										
...PERIDINIACEAE										
....PERIDINIUM	--	-	--	-	16	1	--	-	28	1

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

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

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--CONTINUED
 PHYTOPLANKTON ANALYSES, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE TIME	MAY 4.77 1100	JUN 2.77 1000	JUN 30.77 1000	AUG 4.77 1100	SEP 8.77 1100
TOTAL CELLS/ML	1500	1600	430	4000	21000
DIVERSITY: DIVISION	1.0	1.4	1.5	1.5	1.5
..CLASS	1.0	1.4	1.5	1.6	1.5
...ORDER	1.5	2.2	1.5	2.4	2.0
....FAMILY	2.2	2.6	1.9	3.1	2.6
.....GENUS	2.4	2.7	1.9	3.8	2.9

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)										
..CHLOROPHYCEAE										
...CHLOPOCOCCALES										
...CHARACIACEAE										
....SCHROEDERIA	--	-	--	-	--	-	--	-	240	1
....HYDRODICTYACEAE										
....PEDIASTRUM	--	-	42	3	--	-	44	1	--	-
....OOCYSTACEAE										
....ANKISTRODESMUS	67	4	16	1	--	-	44	1	240	1
....DICTYOSPHAERIUM	--	-	--	-	--	-	130	3	--	-
....KIPCHNERIELLA	--	-	--	-	--	-	78	2	--	-
....NOCYSTIS	--	-	--	-	--	-	44	1	--	-
....SELENASTRUM	400#	26	--	-	--	-	--	-	--	-
....TETRAEDRON	--	-	--	-	--	-	*	0	--	-
...SCENEDESMACEAE										
....ACTINASTRUM	--	-	--	-	--	-	78	2	--	-
....CRUCIGENIA	--	-	--	-	--	-	89	2	--	-
...SCENEDESMUS	270#	17	94	6	--	-	210	5	1800	9
....TETRASTRUM	--	-	--	-	--	-	--	-	480	2
...VOLVOCALES										
...CHLAMYDOMONADACEAE										
....CARTERIA	--	-	--	-	--	-	180	4	--	-
...CHLAMYDOMONAS	--	-	*	0	--	-	33	1	--	-
...LOMONAS	--	-	--	-	--	-	--	-	--	-
...VOLVOCAEAE										
....EUDORINA	--	-	--	-	--	-	--	-	--	-
....PLATYDORINA	--	-	--	-	--	-	270	7	--	-
...ZYGNEATALES										
....DESMIDIACEAE										
....COSMARIMUM	--	-	--	-	--	-	--	-	360	2
....PLEUROTAEINIUM	--	-	--	-	--	-	--	-	120	1
....STAUSTRUM	--	-	--	-	--	-	*	0	--	-
CHRYSTOPHYTA										
..BACILLARIOPHYCEAE										
...CENTRALES										
...COSCINODISCAEAE										
....CYCLOTELLA	--	-	31	2	--	-	180	4	360	2
....MELOSIRA	400#	26	460#	29	--	-	130	3	5200#	25
....STEPHANODISCUS	--	-	--	-	--	-	--	-	600	3
...PENNALES										
....ACHNANTHACEAE										
....COCONEIS	--	-	--	-	--	-	--	-	600	3
...CYMBELLACEAE										
....CYMBELLA	--	-	--	-	--	-	--	-	--	-
....RHOPALODIA	--	-	--	-	--	-	--	-	--	-
...DIATOMACEAE										
....DIATOMA	--	-	*	0	--	-	--	-	--	-
...FRAGILARIACEAE										
....ASTERIONELLA	270#	17	--	-	--	-	--	-	--	-
....SYNEDRA	--	-	--	-	140#	33	78	2	--	-
...GOMPHONEMACEAE										
....GOMPHONEMA	--	-	*	0	--	-	--	-	240	1
...NAVICULACEAE										
....NAVICULA	*	0	42	3	72#	17	--	-	120	1
....PINNULARIA	--	-	--	-	--	-	--	-	--	-
....STAURONEIS	--	-	--	-	--	-	--	-	--	-
...NITZSCHACEAE										
....NITZSCHIA	130	9	88	5	--	-	--	-	120	1
...SURIPELLACEAE										
....SURIPELLA	*	0	--	-	--	-	--	-	--	-
...TABELLARIACEAE										
....TABELLARIA	--	-	--	-	--	-	--	-	--	-
CHRYSTOPHYCEAE										
...CHRYSONOMADALES										
...SYNURACEAE										
....SYNURA	--	-	--	-	--	-	--	-	--	-

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--CONTINUED

PHYTOPLANKTON ANALYSES, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE TIME	MAY 4,77 1100		JUN 2,77 1000		JUN 30,77 1000		AUG 4,77 1100		SEP 8,77 1100	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CYANOPHYTA (BLUE-GREEN ALGAE)										
..CYANOPHYCEAE										
...CHROCCOCCALES										
...CHROCCOCCAEAE										
....AGMENELLUM	--	-	540#	33	--	-	--	-	--	-
....ANACYSTIS	--	-	--	-	140#	33	570	14	720	3
...HORMOGONALES										
...NOSTOCACEAE										
....ANABAENA	--	-	110	7	--	-	230	6	2900	14
....APHANIZOMENON	--	-	--	-	--	-	750#	19	--	-
...OSCILLATORIA										
....OSCILLATORIA	--	-	170	11	--	-	680#	17	6700#	32
EUGLENOPHYTA (EUGLENOIDS)										
..CRYPTOPHYCEAE										
...CRYPTOMONIDALES										
...CRYPTOMONODACEAE										
....CRYPTOMONAS	--	-	--	-	--	-	33	1	--	-
..EUGLENOPHYCEAE										
...EUGLENALES										
...EUGLENACEAE										
....EUGLENA	--	-	--	-	--	-	22	1	120	1
....TRACHELOMONAS	--	-	--	-	72#	17	140	4	--	-
PYRRHOPHYTA (FIRE ALGAE)										
..DINOPHYCEAE										
...GYMNODINIALES										
...GYMNODINIACEAE										
....GYMNODINIUM	--	-	*	0	--	-	--	-	--	-
...PERIDINIALES										
...PERIDINIACEAE										
....PERIDINIUM	--	-	--	-	--	-	--	-	--	-

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

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

YAZOO RIVER BASIN

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--CONTINUED

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1				---	---	---	134	119	128	141	139	140
2				---	---	---	139	135	137	142	141	142
3				---	---	---	---	---	---	200	142	164
4				---	---	---	---	---	---	146	142	145
5				---	---	---	---	---	---	---	---	---
6				---	---	---	---	---	---	---	---	---
7				---	---	---	---	---	---	144	116	128
8				84	81	82	---	---	---	122	117	120
9				88	81	85	155	154	154	126	73	110
10				92	88	89	158	152	156	77	65	73
11				90	88	89	154	151	152	92	75	84
12				89	86	88	155	153	154	92	81	88
13				86	84	86	154	148	150	103	84	96
14				85	84	84	162	151	156	103	98	101
15				85	84	84	166	163	164	101	97	100
16				85	84	84	165	160	163	101	85	95
17				89	84	86	161	153	156	90	78	86
18				90	86	87	153	149	151	90	78	84
19				89	87	88	151	149	150	99	91	97
20				89	88	88	151	115	134	97	94	95
21				88	85	87	116	106	111	98	96	96
22				88	85	86	127	111	120	99	97	99
23				87	85	86	133	127	131	99	97	98
24				90	87	88	135	132	133	97	96	97
25				90	88	89	137	118	131	97	96	97
26				95	89	92	117	100	108	98	97	97
27				97	95	96	106	96	101	98	97	98
28				97	92	94	117	107	113	100	98	98
29				105	95	99	123	108	115	100	97	99
30				118	105	111	136	124	131	102	99	101
31				---	---	---	141	136	138	103	102	102
FEBRUARY				MARCH			APRIL			MAY		
1	104	102	103	---	---	---	---	---	---	---	---	---
2	105	103	104	---	---	---	---	---	---	---	---	---
3	106	105	105	---	---	---	---	---	---	---	---	---
4	105	103	105	---	---	---	87	62	77	98	97	98
5	105	103	104	---	---	---	66	60	63	98	95	96
6	105	103	104	---	---	---	63	53	58	96	85	93
7	105	104	105	---	---	---	71	57	66	85	78	80
8	104	97	102	---	---	---	86	70	79	85	79	83
9	97	93	95	---	---	---	93	85	89	90	86	88
10	96	92	94	---	---	---	93	85	89	94	89	92
11	---	---	---	---	---	---	91	83	87	94	88	91
12	---	---	---	---	---	---	86	83	84	105	89	98
13	---	---	---	---	---	---	91	85	88	97	80	85
14	---	---	---	---	---	---	93	88	90	92	83	87
15	---	---	---	---	---	---	94	90	92	99	93	96
16	---	---	---	76	73	75	96	91	94	97	94	95
17	---	---	---	78	73	76	---	---	---	94	91	93
18	---	---	---	79	77	78	---	---	---	93	90	92
19	---	---	---	77	75	76	---	---	---	92	88	90
20	---	---	---	78	75	77	---	---	---	88	79	85
21	---	---	---	79	76	77	91	89	90	82	78	80
22	---	---	---	80	76	78	90	85	89	96	81	89
23	---	---	---	82	77	79	87	83	85	97	84	93
24	---	---	---	82	78	79	83	78	81	87	83	84
25	---	---	---	84	79	81	91	82	85	86	83	84
26	---	---	---	83	80	81	95	91	94	86	80	84
27	---	---	---	85	82	83	---	---	---	85	80	82
28	---	---	---	85	83	84	---	---	---	90	81	85
29	---	---	---	83	79	81	---	---	---	89	85	87
30	---	---	---	83	80	82	---	---	---	88	85	86
31	---	---	---	84	80	82	---	---	---	88	85	86

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--CONTINUED

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	88	83	86	91	87	89	100	86	95	---	---	---
2	87	84	85	95	88	91	117	100	111	---	---	---
3	88	84	86	99	91	94	116	99	107	---	---	---
4	106	84	87	96	90	93	108	94	103	126	85	113
5	88	83	85	97	90	92	112	94	106	86	81	83
6	88	84	86	95	90	91	115	111	114	86	84	85
7	91	86	87	94	90	92	113	111	112	87	82	85
8	92	85	89	94	90	92	115	112	114	84	81	82
9	96	84	92	94	90	92	115	114	115	83	81	82
10	83	79	81	98	91	94	114	113	114	84	81	82
11	88	79	83	101	90	97	---	---	---	85	81	82
12	87	84	85	101	87	94	---	---	---	85	81	82
13	87	84	86	99	90	95	---	---	---	84	82	82
14	87	85	86	107	93	101	---	---	---	83	82	82
15	88	85	86	105	102	103	---	---	---	83	82	82
16	87	85	85	116	104	110	---	---	---	85	81	83
17	88	82	85	---	---	---	---	---	---	85	82	84
18	86	81	84	---	---	---	---	---	---	85	81	83
19	86	82	85	---	---	---	---	---	---	85	81	83
20	96	81	90	---	---	---	---	---	---	86	83	84
21	91	81	86	---	---	---	---	---	---	90	86	88
22	95	85	90	---	---	---	---	---	---	88	82	84
23	93	86	90	119	114	117	---	---	---	93	85	90
24	95	91	92	115	113	114	---	---	---	92	82	85
25	93	89	91	117	114	116	---	---	---	82	75	80
26	93	90	91	116	112	114	---	---	---	81	75	79
27	92	88	90	111	106	109	---	---	---	79	71	75
28	90	87	89	116	101	109	---	---	---	83	80	82
29	97	88	93	113	87	104	---	---	---	83	81	82
30	97	92	95	101	88	93	---	---	---	83	79	80
31	---	---	---	95	77	85	---	---	---	---	---	---

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	8.0	7.0	7.5	4.5	3.0	4.0
2	---	---	---	---	---	---	8.0	6.5	7.0	3.0	2.5	2.5
3	---	---	---	---	---	---	---	---	---	3.5	2.0	3.0
4	---	---	---	---	---	---	---	---	---	3.0	2.5	2.5
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	4.0	3.5	4.0
8	---	---	---	12.0	11.5	12.0	---	---	---	3.5	3.0	3.5
9	---	---	---	12.0	11.0	11.5	6.5	6.0	6.0	4.5	3.5	4.0
10	---	---	---	12.5	12.0	12.0	6.5	5.0	6.0	4.0	2.5	3.0
11	---	---	---	12.5	12.0	12.0	7.0	6.0	6.5	3.0	2.0	2.5
12	---	---	---	12.0	11.0	11.5	7.0	6.5	6.5	2.0	1.5	2.0
13	---	---	---	11.0	10.0	10.5	7.5	6.5	7.0	2.0	1.5	2.0
14	---	---	---	10.0	10.0	10.0	7.0	6.0	6.5	2.5	2.0	2.5
15	---	---	---	10.0	9.0	9.5	7.5	6.0	7.0	3.0	2.5	2.5
16	---	---	---	9.5	9.0	9.0	8.0	6.5	7.0	2.5	2.0	2.0
17	---	---	---	10.0	9.0	9.0	8.0	6.5	7.5	1.5	1.0	1.0
18	---	---	---	10.0	9.0	9.5	8.0	7.0	7.5	1.0	0.0	0.5
19	---	---	---	10.5	10.0	10.0	8.5	7.5	8.0	0.0	0.0	0.0
20	---	---	---	10.5	10.5	10.5	9.0	8.0	8.5	0.0	0.0	0.0
21	---	---	---	11.0	10.0	10.5	8.0	6.0	7.0	0.5	0.0	0.0
22	---	---	---	10.5	9.5	10.0	6.0	5.5	5.5	1.0	0.0	0.5
23	---	---	---	9.5	9.0	9.0	6.0	5.0	5.5	1.5	0.5	1.0
24	---	---	---	9.5	8.5	9.0	5.5	4.5	5.0	2.0	1.5	1.5
25	---	---	---	10.0	9.0	9.5	5.5	5.0	5.5	2.5	1.5	2.0
26	---	---	---	11.0	10.0	10.5	6.0	5.0	5.5	3.5	2.0	2.5
27	---	---	---	11.0	11.0	11.0	5.5	5.0	5.5	4.5	3.0	4.0
28	---	---	---	11.0	9.5	10.5	6.5	5.5	6.0	4.5	4.0	4.0
29	---	---	---	9.0	8.5	8.5	6.5	5.5	6.0	4.0	2.5	3.0
30	---	---	---	8.0	7.5	8.0	6.5	6.0	6.0	3.0	2.5	2.5
31	---	---	---	---	---	---	5.5	4.0	5.0	3.0	2.0	2.5

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--CONTINUED

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	2.5	2.0	2.0	13.0	12.5	12.5	---	---	---	---	---	---
2	3.0	2.0	2.5	12.5	12.5	12.5	---	---	---	---	---	---
3	3.5	2.5	3.0	13.0	12.5	12.5	---	---	---	---	---	---
4	5.0	3.5	4.5	13.0	13.0	13.0	18.5	17.5	18.0	23.0	22.0	22.5
5	5.0	4.5	4.5	13.0	12.5	13.0	17.5	16.5	17.0	23.5	22.5	23.0
6	5.0	4.0	4.5	12.5	12.5	12.5	16.5	15.5	16.0	24.0	23.0	23.5
7	5.0	4.0	4.5	12.5	12.5	12.5	17.0	16.0	16.5	24.0	23.0	23.5
8	5.0	4.5	4.5	13.0	12.5	12.5	18.0	16.5	17.0	24.5	23.5	24.0
9	5.0	4.0	4.5	13.0	12.5	13.0	18.5	17.5	18.0	24.0	23.5	24.0
10	7.0	4.0	5.5	13.5	13.0	13.0	19.5	18.5	19.0	23.5	22.5	23.0
11	7.0	6.5	6.5	14.5	13.5	14.0	20.0	19.0	19.5	23.0	22.0	22.5
12	8.0	7.0	7.5	15.5	14.5	15.0	21.0	19.5	20.5	23.5	22.0	22.5
13	8.5	7.5	8.0	15.5	15.0	15.0	21.5	20.5	21.0	23.5	22.0	22.5
14	9.0	8.5	8.5	16.5	15.5	16.0	21.5	20.5	21.5	24.0	22.5	23.0
15	9.0	8.5	8.5	17.0	16.5	16.5	22.0	21.0	21.5	24.5	23.5	24.0
16	8.5	8.0	8.0	17.5	17.0	17.0	22.5	21.5	22.0	25.0	24.0	24.5
17	9.0	8.0	8.5	17.0	17.0	17.0	---	---	---	25.0	24.0	24.5
18	10.0	8.5	9.0	17.5	17.0	17.0	---	---	---	24.5	24.0	24.5
19	10.0	9.0	9.5	17.5	17.0	17.0	---	---	---	24.5	24.0	24.5
20	9.5	8.5	9.0	17.0	16.5	16.5	---	---	---	25.0	23.5	24.5
21	10.0	8.5	9.0	17.0	16.5	16.5	20.0	20.0	20.0	24.5	23.5	24.0
22	11.0	9.5	10.0	16.5	15.5	16.0	21.0	20.0	20.5	25.0	23.5	24.5
23	12.0	11.0	12.0	16.0	15.0	15.5	21.5	20.5	21.0	25.0	24.0	24.5
24	12.0	11.5	12.0	15.5	15.0	15.5	21.0	20.5	20.5	25.0	24.0	24.5
25	13.0	12.0	12.5	16.5	15.0	15.5	21.0	20.5	21.0	25.5	24.5	25.0
26	14.5	13.0	13.5	17.0	15.5	16.5	21.5	20.0	20.5	25.5	24.5	25.0
27	14.5	13.0	13.5	17.5	16.5	17.0	---	---	---	25.0	24.0	25.0
28	13.0	12.5	12.5	18.5	17.0	17.5	---	---	---	26.0	25.0	25.5
29	---	---	---	18.5	18.0	18.0	---	---	---	26.5	25.5	26.0
30	---	---	---	19.5	18.5	19.0	---	---	---	27.0	26.0	26.5
31	---	---	---	19.5	18.5	19.0	---	---	---	27.5	26.5	27.0
JUNE			JULY			AUGUST			SEPTEMBER			
1	27.5	26.5	27.0	28.5	28.0	28.5	27.0	26.0	26.5	---	---	---
2	27.0	26.0	26.5	30.0	27.5	28.5	28.0	26.5	27.0	---	---	---
3	27.0	26.0	26.5	29.5	27.5	28.5	28.0	26.5	27.5	---	---	---
4	27.5	26.0	26.5	30.0	28.5	29.0	28.0	27.0	27.5	26.5	25.5	26.0
5	27.5	26.5	27.0	31.0	28.5	29.5	28.5	26.5	27.5	26.5	25.5	26.0
6	27.5	26.5	27.0	31.0	29.5	30.0	29.0	27.0	28.0	26.0	25.0	25.5
7	27.0	26.0	26.5	31.0	29.5	30.5	30.0	27.5	28.5	25.5	25.0	25.5
8	26.5	25.0	26.0	31.0	30.0	30.5	30.5	28.0	29.0	26.0	25.0	25.5
9	27.0	25.5	26.0	30.5	29.5	30.0	30.5	28.5	29.5	25.5	25.0	25.0
10	26.5	25.5	26.0	30.0	29.5	29.5	30.0	28.5	29.0	25.5	24.5	25.0
11	27.0	26.0	26.5	29.5	28.0	29.0	---	---	---	25.5	24.5	25.0
12	27.5	26.5	27.0	28.5	27.5	28.0	---	---	---	25.5	24.5	25.0
13	27.0	26.5	27.0	30.0	27.5	28.5	---	---	---	25.0	24.5	24.5
14	27.0	26.0	26.5	30.5	28.0	29.0	---	---	---	24.0	24.0	24.0
15	26.5	25.5	26.0	31.0	29.0	30.0	---	---	---	24.0	23.5	23.5
16	26.5	25.5	26.0	31.0	29.0	29.5	---	---	---	24.0	23.0	23.5
17	26.5	25.5	26.0	---	---	---	---	---	---	24.0	23.5	23.5
18	26.0	25.5	26.0	---	---	---	---	---	---	24.5	23.5	24.0
19	26.5	25.5	26.0	---	---	---	---	---	---	24.0	23.0	23.5
20	27.0	26.0	26.5	---	---	---	---	---	---	23.5	23.0	23.0
21	27.0	26.0	26.5	---	---	---	---	---	---	23.5	22.5	23.0
22	27.5	26.5	27.0	---	---	---	---	---	---	23.5	22.5	23.0
23	28.0	27.0	27.5	29.5	28.0	28.5	---	---	---	23.5	23.0	23.0
24	28.5	27.5	28.0	29.5	27.5	28.5	---	---	---	23.5	22.5	23.0
25	28.5	27.5	28.0	28.5	28.0	28.5	---	---	---	22.5	22.0	22.5
26	28.5	27.5	28.0	28.5	27.5	28.0	---	---	---	23.0	22.0	22.5
27	28.5	27.5	28.0	28.5	27.0	27.5	---	---	---	23.0	22.0	22.5
28	28.5	27.5	28.0	28.0	27.0	27.5	---	---	---	22.5	22.0	22.5
29	28.5	27.5	28.0	27.5	26.0	26.5	---	---	---	22.5	22.0	22.5
30	28.0	27.5	27.5	27.0	25.5	26.0	---	---	---	22.5	22.0	22.5
31	---	---	---	26.5	26.0	26.0	---	---	---	---	---	---

YAZOO RIVER BASIN

175

07287500 YAZOO RIVER AT YAZOO CITY, MS
(National water quality surveillance system station)

LOCATION.--Lat 32°51'29", long 90°26'12", in SE¼ sec.30, T.12 N., R.2 W., Choctaw Meridian, Yazoo County, Hydrologic Unit 08030206, at downstream side of bridge on U.S. Highway 49 W., 1.0 mi (1.6 km) northwest of Yazoo City, and at mile 75.6 (121.6 km).

DRAINAGE AREA.--8,900 mi² (23,040 km²).

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (NTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	FECAL COLIFORM (7UM-MF) (COL./100 ML)
OCT									
13...	1300	7600	90	7.2	19.5	30	7.2	6	400
21...	1100	6800	98	6.8	15.5	30	8.6	6	8200
NOV									
16...	1330	7000	95	6.3	9.5	25	9.8	13	875
24...	1300	6800	112	6.8	8.5	25	10.2	8	--
DEC									
08...	1300	3350	155	7.4	8.0	75	11.4	12	--
20...	1430	3600	170	7.3	9.5	95	9.1	11	210
JAN									
05...	1200	3200	134	7.4	5.0	70	12.6	14	--
20...	1330	8100	59	7.6	2.5	280	11.6	13	--
FEB									
02...	1400	7000	79	7.5	4.0	200	10.0	10	--
15...	1300	4600	103	7.6	9.0	70	11.6	24	825
MAR									
01...	1330	6200	125	7.2	13.5	90	7.3	36	250
18...	1300	12500	71	7.3	18.0	250	6.4	43	--
29...	1300	8100	87	7.6	17.5	250	7.8	30	--
APR									
13...	1300	8400	90	6.8	20.5	300	6.2	35	E20000
27...	1200	7800	92	7.0	20.5	300	8.1	25	900
MAY									
10...	1300	6400	--	--	--	--	--	--	--
10...	1330	--	85	7.0	24.0	250	6.7	30	460
27...	1300	6400	87	7.7	26.0	100	5.5	18	2000
JUN									
07...	1400	6200	92	6.9	28.0	100	5.9	17	2700
22...	1300	8200	100	7.3	28.0	170	7.8	23	4200
JUL									
07...	1300	6800	105	7.1	30.0	55	5.6	19	1100
21...	1100	3700	144	7.4	30.0	35	6.5	30	400
AUG									
03...	1130	5700	93	7.0	28.0	90	5.2	20	1200
12...	1330	5600	121	8.0	30.5	25	4.6	15	--
SEP									
01...	1330	2350	185	7.6	29.5	45	7.7	20	440
15...	1400	7200	97	7.6	27.5	60	5.2	20	830

YAZOO RIVER BASIN

07287500 YAZOO RIVER AT YAZOO CITY, MS--CONTINUED

DATE	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (TONS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS (TONS PER DAY)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL- GEN (N) (MG/L)
OCT									
13...	6.3	54	.07	1110	76	.33	.25	.42	.67
21...	6.7	46	.06	845	81	.15	.13	.20	.33
NOV									
16...	6.5	70	.10	1320	51	.12	.14	.36	.50
24...	6.9	55	.07	1010	69	.14	.31	.30	.61
DEC									
08...	12	123	.17	1110	219	.40	.40	.60	1.0
20...	13	106	.14	1030	243	1.1	1.1	2.1	3.2
JAN									
05...	11	110	.15	950	134	.34	.41	.89	1.3
20...	5.8	67	.09	1470	504	.76	.53	1.7	2.2
FEB									
02...	9.1	94	.13	1780	135	.58	.39	.91	1.3
15...	9.5	84	.11	1040	110	.33	.27	.53	.80
MAR									
01...	8.8	96	.13	1610	368	.55	.50	1.2	1.7
18...	6.4	67	.09	2260	232	.42	.23	1.1	1.3
29...	6.8	72	.10	1580	235	.43	.16	.83	.99
APR									
13...	8.0	75	.10	1700	300	1.1	.14	1.4	1.5
27...	8.3	73	.10	1540	198	.85	.10	.90	1.0
MAY									
10...	--	--	--	--	--	--	--	--	--
10...	6.9	80	.11	--	227	.59	.09	1.0	1.1
27...	6.9	42	.06	726	129	.55	.07	.52	.59
JUN									
07...	6.7	59	.08	988	157	.46	.09	.56	.65
22...	6.7	82	.11	1820	17	.93	.28	1.1	1.4
JUL									
07...	7.0	76	.10	1400	165	.55	.04	.41	.45
21...	9.3	84	.11	839	168	.47	.03	.51	.54
AUG									
03...	7.8	77	.10	1190	132	.45	.07	.57	.64
12...	8.8	91	.12	1380	46	.59	.07	.55	.62
SEP									
01...	12	108	.15	685	54	.57	.01	.49	.50
15...	6.8	59	.08	1150	89	.38	.06	.50	.56

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	OIL AND GREASE (MG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)
OCT								
13...	1.0	4.4	.14	3600	5.0	0	5.45	.937
21...	.48	2.1	.10	2100	3.8	0	.000	.000
NOV								
16...	.62	2.7	.08	1600	5.2	0	4.90	1.16
24...	.75	3.3	.15	1900	4.4	0	6.42	.000
DEC								
08...	1.4	6.2	.25	6500	8.6	0	2.97	.000
20...	4.3	19	.28	9100	8.9	0	.000	.000
JAN								
05...	1.6	7.3	.24	9200	7.2	0	2.26	.000
20...	3.0	13	.59	60000	13	0	2.09	.000
FEB								
02...	1.9	8.3	.19	8000	--	0	.000	.000
15...	1.1	5.0	.24	6100	6.9	0	.000	.000
MAR								
01...	2.3	10	.46	11000	15	0	--	--
18...	1.7	7.6	.47	13000	7.2	1	--	--
29...	1.4	6.3	.48	19000	--	1	.000	.000
APR								
13...	2.6	12	.52	15000	--	1	--	--
27...	1.9	8.2	.50	13000	8.4	0	--	--
MAY								
10...	--	--	--	--	--	--	--	--
10...	1.7	7.5	.44	14000	9.3	2	--	--
27...	1.1	5.0	.28	9600	10	1	--	--
JUN								
07...	1.1	4.9	.24	9000	15	0	41.9	.000
22...	2.3	10	.36	13000	9.8	1	--	--
JUL								
07...	1.0	4.4	.23	7200	7.0	0	3.06	.555
21...	1.0	4.5	.11	6900	7.0	4	--	--
AUG								
03...	1.1	4.8	.29	8600	7.4	0	5.34	.332
12...	1.2	5.4	.24	5600	5.2	0	.274	.000
SEP								
01...	1.1	4.7	.16	3400	5.6	16	--	--
15...	.94	4.2	.16	4500	10	0	--	--

YAZOO RIVER BASIN

177

07287500 YAZOO RIVER AT YAZOO CITY, MS--CONTINUED

DATE	TOTAL CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL PU- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)
OCT 13...	8.0	3.0	5.3	2.2	36	0	30	3.6
JAN 05...	20	7.0	9.0	3.2	74	0	61	4.7
APR 13...	.8	4.1	4.2	3.5	27	0	22	6.8
JUL 07...	7.4	3.0	4.1	2.5	32	0	26	4.1

DATE	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
OCT 13...	7.2	4.4	3	1	10	47	.1	30
JAN 05...	10	5.8	5	0	<10	7	.0	40
APR 13...	7.4	3.5	10	0	20	22	.0	70
JUL 07...	8.4	4.0	3	0	10	30	.0	80

DATE	PERCENT MOIS- TURE IN SEDI- MENT SAMPLES	COD IN BOTTOM MA- TERIAL (MG/KG)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL PHOS- PHORUS IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)
OCT 13...	14	28000	500	120	7	<10	10	<10	.0	<10	.0

YAZOO RIVER BASIN

07288500 BIG SUNFLOWER RIVER AT SUNFLOWER, MS

LOCATION.--Lat 33°32'50", long 90°32'35", in NE¼ sec.6, T.19 N., R.3 W., Choctaw Meridian, Sunflower County, Hydrologic Unit 08030207, near right bank on downstream side of highway bridge, 0.5 mi (0.8 km) northwest of Sunflower, 2.5 mi (4.0 km) downstream from Jones Bayou, and 19.0 mi (30.6 km) upstream from Quiver River.

DRAINAGE AREA.--767 mi² (1,987 km²).

PERIOD OF RECORD.--October 1935 to September 1975 in reports of Geological Survey. Prior to October 1938 monthly discharge only published in WSP 1311. February 1918 to September 1935 (gage heights only) in reports of Corps of Engineers, Vicksburg district. Prior to Oct. 1, 1972, published as Sunflower River at Sunflower, Miss.

REVISED RECORDS.--WSP 1211: Drainage area. WRD Miss. 1970: 1969(m).

GAGE.--Water-stage recorder. Datum of gage is 92.95 ft (28.331 m) above mean sea level (levels by Corps of Engineers). Prior to Nov. 28, 1934, nonrecording gage on upstream side of bridge at datum 93.00 ft (28.346 m) lower. Nov. 28, 1934, to June 30, 1947, nonrecording gage on upstream side of bridge at present datum.

REMARKS.--Diversion for irrigation of about 5,000 acres (20.2 km²) and withdrawal of an average of about 6 ft³/s (0.17 m³/s) for industrial use above station. At times streamflow is augmented by waste irrigation water which is pumped from wells.

COOPERATION.--Results of 26 discharge measurements and records of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

AVERAGE DISCHARGE.--41 years, 1,046 ft³/s (29.62 m³/s), 18.52 in/yr (470 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 15,000 ft³/s (425 m³/s) Mar. 18, 1973, gage height, 28.37 ft (8.647 m); minimum discharge, 81 ft³/s (2.29 m³/s) Aug. 16, 1954, Aug. 9, 10, 1956; minimum gage height, 0.78 ft (0.238 m) Oct. 15, 1967.

EXTREMES FOR WATER YEAR 1976.--Maximum discharge, 5,820 ft³/s (164.8 m³/s) Mar. 11, gage height, 20.59 ft (6.276 m); minimum daily discharge, 112 ft³/s (3.17 m³/s) Oct. 24.

NOTE.--Records for 1977 water year will be published in a subsequent report.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	165	122	2470	1340	691	1130	2070	315	770	617	308	308
2	154	116	2790	1610	535	852	1920	270	583	567	322	315
3	145	113	3000	3770	445	672	1640	244	460	551	336	315
4	141	160	2940	4940	385	567	1320	220	400	1000	329	329
5	137	338	2680	5020	415	852	1050	208	385	2720	315	357
6	134	825	2510	4590	2010	1950	810	202	357	2990	302	371
7	131	2140	2830	3940	3850	2260	635	202	322	2640	296	385
8	128	3710	3070	3150	4220	2400	535	190	289	2170	302	400
9	124	4400	2980	2460	3900	4220	475	185	276	1700	315	400
10	122	4500	2620	2040	3260	5440	430	179	256	1130	315	415
11	119	4260	2170	1670	2500	5760	400	179	244	750	308	430
12	119	3810	1700	1360	1820	5600	385	179	226	551	296	430
13	118	3190	1290	1160	1250	5020	371	185	214	445	289	400
14	116	2520	976	1110	873	4260	343	196	202	400	289	357
15	115	1940	767	1020	635	3420	336	238	202	385	296	308
16	123	1450	623	936	505	2600	315	263	635	385	296	256
17	133	1070	537	831	445	1950	308	244	1340	385	289	220
18	140	824	516	710	1000	1410	296	220	1410	385	296	190
19	135	652	497	583	2840	1050	289	196	1790	371	296	179
20	131	547	466	505	3770	831	276	179	2430	343	289	168
21	127	490	425	450	4300	980	276	174	2760	329	276	152
22	121	474	384	415	5210	958	263	168	2680	315	276	140
23	115	479	352	385	5300	1050	256	162	2680	308	263	133
24	112	456	330	357	4980	1200	256	157	1880	302	263	126
25	117	414	381	567	4390	1130	505	162	1410	308	263	121
26	129	460	826	1670	3690	958	958	168	1050	322	263	116
27	141	856	1030	1980	2840	873	852	270	852	343	256	116
28	143	1450	1940	1850	2130	1250	653	730	790	343	256	117
29	139	1950	2040	1610	1550	1880	505	1180	750	329	263	123
30	135	2180	1840	1270	---	2130	385	1180	710	315	270	123
31	128	---	1590	936	---	2160	---	1000	---	308	296	---
TOTAL	4037	45896	48570	54235	69739	66813	19113	9645	28353	24007	9029	7800
MEAN	130	1530	1567	1750	2405	2155	637	311	945	774	291	260
MAX	165	4500	3070	5020	5300	5760	2070	1180	2760	2990	336	430
MIN	112	113	330	357	385	567	256	157	202	302	256	116
CFSM	.17	2.00	2.04	2.28	3.14	2.81	.83	.41	1.23	1.01	.38	.34
IN.	.20	2.23	2.36	2.63	3.38	3.24	.93	.47	1.38	1.16	.44	.38
CAL YR 1975	TOTAL	672519	MEAN	1843	MAX	9670	MIN	112	CFSM	2.40	IN	32.62
WTR YR 1976	TOTAL	387237	MEAN	1058	MAX	5760	MIN	112	CFSM	1.38	IN	18.78

YAZOO RIVER BASIN

07288800 YAZOO RIVER AT REDWOOD, MS
(National water quality surveillance system station)

LOCATION.--Lat 32°29'14", long 90°49'02", on line between secs.1 and 4, T.17 N., R.4 E., Washington Meridian, Warren County, Hydrologic Unit 08030208, at downstream side of Illinois Central Gulf Railroad bridge, 0.55 mi (0.88 km) downstream from U.S. Highway 61, 0.95 mi (1.53 km) northwest of Redwood, and at mile 16.7 (26.9 km).

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

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTMBER 1977

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)
OCT									
13...	1100	E9490	150	6.8	19.5	55	7.5	11	820
21...	0900	E10200	138	6.7	16.0	40	8.2	8	250
NOV									
16...	1100	E10400	145	6.3	10.0	35	9.5	5	130
24...	1100	--	150	6.5	8.5	35	10.2	8	--
DEC									
08...	1000	E7760	175	7.4	7.5	100	11.9	12	--
20...	1200	E11600	200	7.4	9.0	60	9.0	13	860
JAN									
05...	1000	E3840	139	7.4	6.0	90	11.7	14	--
20...	1100	E16300	73	7.4	3.5	300	10.2	16	--
FER									
02...	1130	--	128	7.5	5.0	200	9.9	15	--
15...	1100	--	134	7.6	9.0	80	11.6	26	830
MAR									
01...	1100	E11200	175	6.9	13.5	95	8.5	28	--
18...	1100	E38100	68	7.0	17.5	250	7.3	45	--
29...	1100	E21700	96	7.4	17.0	300	7.6	30	--
APR									
13...	1100	E29200	94	6.6	20.0	400	6.3	35	740
27...	1000	E26000	112	6.7	20.5	400	6.2	40	440
MAY									
10...	1100	E14100	176	7.1	24.0	200	6.3	80	81500
27...	1130	E10500	156	7.7	26.0	100	5.4	19	814000
JUN									
07...	1200	E6240	149	7.1	28.5	130	5.6	20	813000
22...	1100	--	190	7.4	28.0	190	6.8	35	5900
JUL									
07...	1000	E14200	152	7.2	30.0	55	5.5	20	720
21...	0900	E8530	214	7.5	30.0	35	6.2	40	670
AUG									
03...	1000	E12700	215	7.3	28.5	35	5.2	20	3500
12...	1100	E20600	190	7.4	30.0	25	5.7	20	--
SEP									
01...	1100	E8060	317	7.6	29.5	20	--	15	81800
15...	1230	E12400	152	7.5	26.5	65	6.2	20	8150

YAZOO RIVER BASIN

07288800 YAZOO RIVER AT REDWOOD, MS--CONTINUED

DATE	DIS- SOLVED SILICA (SIO ₂) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)
OCT									
13...	7.5	95	.13	2430	179	.36	.05	.72	.77
21...	7.3	78	.11	2150	93	.38	.13	.27	.40
NOV									
16...	7.3	117	.16	3290	125	.38	.18	.56	.74
24...	8.0	76	.10	--	92	.22	.12	.41	.53
DEC									
08...	10	136	.19	--	382	.86	.27	1.1	1.4
20...	12	130	.18	--	60	.84	.55	.65	1.2
JAN									
05...	11	143	.19	--	120	.72	.39	1.1	1.5
20...	6.2	85	.12	3740	338	1.0	.51	1.7	2.2
FEB									
02...	9.4	111	.15	--	153	.75	.33	1.2	1.5
15...	11	117	.16	--	114	.46	.27	.67	.94
MAR									
01...	11	140	.19	--	254	.55	.22	.88	1.1
18...	6.2	70	.10	--	320	.52	.23	1.4	1.6
29...	6.8	78	.11	--	142	.61	.08	.85	.93
APR									
13...	7.9	76	.10	--	152	1.6	.10	1.7	1.8
27...	8.6	72	.10	--	474	1.5	.17	1.4	1.6
MAY									
10...	9.0	111	.15	--	6	.88	.07	1.0	1.1
27...	8.8	104	.14	--	201	.70	.07	.53	.60
JUN									
07...	8.2	84	.11	--	240	.52	.04	.64	.68
22...	8.5	118	.16	--	371	.80	.15	1.5	1.6
JUL									
07...	8.1	91	.12	--	124	.54	.04	.50	.54
21...	10	124	.17	--	174	.60	.03	.65	.68
AUG									
03...	11	131	.18	--	349	.61	.05	.89	.94
12...	11	126	.17	--	95	.58	.04	.76	.80
SEP									
01...	14	184	.25	--	32	1.6	.01	.41	.42
15...	8.0	96	.13	--	76	.35	.06	.68	.74

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO ₃) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	OIL AND GREASE (MG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)
OCT								
13...	1.1	5.0	.19	4300	6.2	0	8.62	2.77
21...	.78	3.5	.13	2600	8.6	0	.000	.000
NOV								
16...	1.1	5.0	.13	2700	5.0	0	.000	.000
24...	.75	3.3	.13	2500	5.0	0	6.09	1.51
DEC								
08...	2.3	10	.42	8700	9.2	0	.000	.000
20...	2.0	9.0	.21	3700	7.0	0	.000	.000
JAN								
05...	2.2	9.8	.30	27000	8.2	0	3.22	.000
20...	3.2	14	.48	49000	13	0	1.20	.000
FEB								
02...	2.3	10	.34	8800	10	0	.000	.000
15...	1.4	6.2	.26	6600	7.1	0	.000	.000
MAR								
01...	1.7	7.3	.34	10000	5.8	0	--	--
18...	2.1	9.4	.56	15000	1.8	2	--	--
29...	1.5	6.8	.47	20000	--	5	--	--
APR								
13...	3.4	15	.53	1600	--	0	--	--
27...	3.1	14	.61	18000	7.5	0	--	--
MAY								
10...	2.0	8.8	.30	9800	6.3	0	--	--
27...	1.3	5.8	.30	8500	15	2	--	--
JUN								
07...	1.2	5.3	.29	10000	12	3	.233	.000
22...	2.4	11	.46	15000	11	0	1.46	.833
JUL								
07...	1.1	4.8	.21	6000	5.4	0	1.32	.146
21...	1.3	5.7	.28	7200	6.3	4	2.03	.000
AUG								
03...	1.6	6.9	.31	8100	7.1	0	--	--
12...	1.4	6.1	.24	6000	6.8	0	.000	.000
SEP								
01...	2.0	8.9	.13	1500	5.8	0	--	--
15...	1.1	4.8	.19	4500	12	0	--	--

YAZOO RIVER BASIN

181

07288800 YAZOO RIVER AT REDWOOD, MS--CONTINUED

DATE	TOTAL CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL PU- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINIT AS CACO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)
OCT 13...	12	4.0	7.3	2.4	58	0	49	15
JAN 05...	21	8.0	9.6	3.6	83	0	68	5.3
APR 13...	11	6.3	5.0	5.1	29	0	24	12
JUL 07...	10	3.8	6.4	2.3	53	0	43	5.4

DATE	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
OCT 13...	8.7	6.3	5	1	10	25	.2	60
JAN 05...	13	9.7	6	0	10	15	.0	60
APR 13...	7.6	4.3	9	0	30	33	.0	70
JUL 07...	11	6.2	3	3	10	57	.0	70

DATE	PERCENT MOIS- TURE IN SEDI- MENT SAMPLES	COD IN BOTTOM MA- TERIAL (MG/KG)	TOTAL KJEL. NITRO- GEN IN BOTTOM MA- TERIAL (MG/KG)	TOTAL PHOS- PHORUS IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL ARSENIC IN BOT- TOM MA- TERIAL (UG/G)	TOTAL CADMIUM IN BOT- TOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD IN BOT- TOM MA- TERIAL (UG/G)	TOTAL MERCURY IN BOT- TOM MA- TERIAL (UG/G)	TOTAL ZINC IN BOT- TOM MA- TERIAL (UG/G)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)
OCT 13...	34	86000	2900	580	8	<10	20	10	.0	50	.0

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS

LOCATION.--Lat 32°18'45", long 90°54'25", in T.16 N., R.3 E., Washington Meridian, Warren County, Hydrologic Unit 08060100, over cavity of fourth pier from left bank at combined highway and railway bridge of Vicksburg Bridge Commission of Warren County, at southern city limits of Vicksburg, 1.5 mi (2.4 km) downstream from Yazoo diversion canal and at mile 430.4 (692.5 km).

DRAINAGE AREA.--1,140,500 mi² (2,953,90 km²), approximately. The 4,000 mi² (10,400 km²), approximately, in the Great Divide basin in Southern Wyoming is not included.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Discharge: January 1928 to September 1976. Prior to July 1931, monthly discharge only, published in WSP 1311.

Gage heights: April 1930 to September 1976 in reports of Geological Survey. Since December 1871, referred to canal gages (above 30.0 ft or 9.14 m only, since December 1949), September 1934 to December 1964, referred to bridge gage, in reports of Mississippi River Commission. January 1937 to December 1967, referred to bridge gage; and since 1967, referred to gage 1.1 mi (1.8 km) upstream in reports of Corps of Engineers. Since May 1873, in reports of National Weather Service.

Extremes of stage, intermittently 1828 to 1871, and since 1871; extremes of discharge for various years 1858 to 1926 and since 1926; annual mean discharges since 1871; and records of daily discharge 1928 to 1964 are available in reports of Mississippi River Commission. Since January 1947 daily discharge in reports of Corps of Engineers. Prior to October 1968, published as Mississippi River near Vicksburg.

REVISED RECORDS.--WSP 747, WRD Miss. 1975: Drainage area.

GAGE.--Water-stage recorder (bridge gage) maintained by Geological Survey. Jan. 1, 1963, to Dec. 31, 1967, supplementary water-stage recorder on left bank near downstream side of bridge, and since Jan. 1, 1968, on left bank at site 1.1 mi (1.8 km) upstream, maintained by Corps of Engineers. Datum of gage is 46.22 ft (14.088 m) above mean sea level (Corps of Engineers bench mark) or 46.16 ft (14.070 m) above mean gulf level. Gages used by Mississippi River Commission: Dec. 10, 1871, to Sept. 30, 1929, nonrecording gage at mouth of Yazoo diversion canal, 1.5 mi (2.4 km) upstream from bridge gage; since Sept. 30, 1929, nonrecording gage at mouth of Yazoo diversion canal, 1.5 mi (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 mi (0.8 km) upstream from bridge gage; Oct. 30, 1919, to Nov. 30, 1922, nonrecording gage at mouth of Yazoo Canal; Dec. 1, 1922, to Aug. 31, 1934, nonrecording gage on Yazoo diversion canal; Sept. 1, 1934, to Dec. 31, 1962, nonrecording gage at bridge; Jan. 1, 1963, to Dec. 31, 1967, water-stage recorder on left bank near downstream side of bridge; and since Jan. 1, 1968, on left bank at site 1.1 mi (1.8 km) upstream.

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

REMARKS.--Records excellent. Natural flow of stream affected by many reservoirs and navigation dams.

COOPERATION.--Supplementary gage-height record and records of daily discharge furnished by Corps of Engineers.

AVERAGE DISCHARGE.--48 years, 572,600 ft³/s (16,220 m³/s), 414,849,000 acre-ft/yr (512 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,080,000 ft³/s (58,900 m³/s) Feb. 17, 1937; maximum gage height, 53.2 ft (16.22 m) Feb. 21, 1937; minimum discharge, 99,400 ft³/s (2,820 m³/s) Nov. 1, 1939; minimum gage height, -7.02 ft (-2.140 m) Feb. 3, 1940 (ice jam above).

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1871, 58.4 ft (17.80 m), Corps of Engineers gage on Yazoo diversion canal; approximately 56.0 ft (17.07 m) May 4, 1927 (Geological Survey gage).

EXTREMES FOR WATER YEAR 1976.--Maximum daily discharge, 1,016,000 ft³/s (28,800 m³/s) Mar. 7. Maximum gage height, 33.60 ft (10.241 m) Mar. 7, at bridge gage, 32.02 ft (9.760 m) Apr. 22 at supplementary recorder; minimum daily discharge, 170,000 ft³/s (4,810 m³/s) Sept. 30; minimum gage height observed, 2.50 ft (0.762 m) Nov. 24 at supplementary recorder.

NOTE.--Records for 1977 water year will be published in a subsequent report.

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.30	20.70	14.40	19.80	18.80	32.10	28.60	19.70	15.40	16.80	10.60	3.10
2	15.40	19.80	14.20	20.00	19.50	32.60	29.20	20.00	14.90	16.80	10.80	3.30
3	16.10	18.50	14.00	20.90	20.50	33.00	29.50	20.60	14.40	16.80	11.00	3.70
4	17.10	17.40	14.50	22.00	21.60	33.20	29.80	21.20	14.40	16.70	10.80	4.20
5	17.60	16.30	14.80	23.40	22.50	33.30	30.00	21.90	15.00	16.90	10.50	4.20
6	17.60	15.40	15.10	24.50	23.40	33.50	30.00	22.50	16.00	17.10	10.10	3.90
7	17.10	15.00	15.90	25.40	24.00	33.60	30.00	22.80	16.70	17.50	9.90	3.80
8	16.10	14.50	17.50	26.50	24.30	33.40	30.10	23.10	17.60	18.00	9.70	4.00
9	14.90	13.90	19.60	27.30	24.40	33.40	30.10	23.00	18.40	18.80	9.60	3.70
10	13.50	13.40	21.10	28.00	23.90	33.20	29.90	22.50	18.80	19.60	9.40	2.80
11	12.40	13.00	21.90	28.60	23.20	33.10	29.50	22.00	19.00	20.10	9.00	2.50
12	11.60	12.40	21.90	29.30	22.10	33.20	29.00	21.40	18.80	20.20	8.40	2.20
13	10.80	12.20	21.20	29.60	20.90	33.40	28.30	20.80	18.50	20.00	7.50	1.70
14	10.20	12.00	20.40	30.00	19.60	33.40	27.60	20.10	17.80	19.50	6.80	1.30
15	10.30	12.20	19.60	30.00	18.40	33.50	26.70	19.70	16.50	19.00	6.50	1.20
16	11.10	12.30	18.90	29.60	17.40	33.30	25.50	19.50	15.00	18.50	6.40	1.20
17	12.00	12.30	18.60	29.00	16.80	32.80	24.30	19.20	14.00	18.00	6.00	1.20
18	12.30	12.00	18.50	28.20	16.40	32.10	23.00	18.70	13.00	17.40	5.80	1.50
19	12.40	12.10	18.20	26.70	16.40	31.30	21.70	18.20	12.00	17.00	5.70	1.70
20	12.20	12.40	17.80	25.20	17.20	30.50	20.00	17.70	11.20	16.50	5.20	1.40
21	12.00	13.20	17.70	23.80	18.50	30.10	19.30	17.50	11.00	16.10	5.00	1.00
22	12.00	14.70	17.90	22.90	20.20	29.60	18.70	17.50	10.90	15.80	5.30	1.00
23	12.30	16.00	18.50	22.30	22.40	29.10	18.40	17.60	11.00	15.30	5.40	1.00
24	13.60	17.10	19.20	21.80	24.60	28.70	18.60	17.90	11.30	14.50	5.80	.90
25	15.90	17.30	20.30	21.50	26.50	28.30	19.20	18.30	11.60	13.60	5.80	.80
26	18.40	17.00	20.80	21.30	28.20	27.60	19.70	18.70	12.20	12.60	5.80	.70
27	20.30	16.50	20.90	20.80	29.50	27.30	19.60	18.90	13.30	11.80	5.50	.80
28	21.20	16.10	20.80	20.00	30.70	27.10	19.40	18.60	14.70	11.00	4.80	.70
29	21.80	15.20	20.40	19.40	31.50	26.90	19.30	19.00	15.60	10.40	4.20	.40
30	21.90	14.50	20.00	18.80	---	27.00	19.30	17.30	16.40	10.20	3.70	.10
31	21.60	---	19.70	18.40	---	27.70	---	16.40	---	10.40	3.20	---
MEAN	15.06	14.85	18.53	24.35	22.19	31.20	24.81	19.72	14.85	16.22	7.23	2.00
MAX	21.90	20.70	21.90	30.00	31.50	33.60	30.10	23.10	19.00	20.20	11.00	4.20
MIN	10.20	12.00	14.00	18.40	16.40	26.90	18.40	16.40	10.90	10.20	3.20	.10
CAL YR 1975	MEAN 26.11	MAX 49.80	MIN 9.50									
WTR YR 1976	MEAN 17.60	MAX 33.60	MIN .10									

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	458000	570000	421000	575000	560000	949000	790000	572000	445000	475000	339000	215000
2	465000	538000	414000	579000	577000	961000	808000	587000	429000	471000	350000	219000
3	481000	508000	420000	611000	622000	972000	812000	601000	411000	462000	354000	225000
4	499000	482000	429000	648000	660000	983000	820000	618000	416000	456000	349000	237000
5	503000	461000	433000	691000	691000	992000	827000	637000	430000	459000	338000	235000
6	495000	441000	439000	737000	717000	1005000	831000	655000	454000	467000	325000	230000
7	478000	424000	489000	775000	728000	1016000	839000	662000	482000	474000	322000	229000
8	450000	411000	527000	808000	731000	1014000	842000	651000	501000	483000	320000	233000
9	418000	401000	561000	834000	732000	990000	841000	631000	518000	495000	318000	221000
10	390000	390000	621000	858000	719000	960000	831000	613000	529000	509000	312000	209000
11	376000	380000	640000	879000	689000	951000	812000	592000	534000	531000	299000	200000
12	360000	372000	633000	896000	653000	958000	789000	573000	530000	547000	292000	191000
13	349000	369000	610000	911000	613000	961000	766000	557000	519000	542000	277000	182000
14	338000	366000	579000	922000	581000	966000	739000	537000	495000	537000	275000	179000
15	341000	370000	560000	921000	551000	968000	709000	522000	458000	528000	274000	172000
16	352000	371000	549000	901000	525000	959000	676000	514000	420000	518000	273000	174000
17	368000	371000	533000	860000	502000	931000	645000	505000	391000	504000	266000	182000
18	379000	368000	521000	819000	492000	920000	611000	499000	373000	482000	260000	190000
19	381000	371000	511000	772000	499000	870000	572000	492000	365000	467000	255000	199000
20	373000	382000	502000	732000	526000	848000	550000	489000	359000	457000	244000	196000
21	368000	407000	500000	702000	559000	828000	533000	488000	355000	449000	243000	193000
22	376000	433000	517000	679000	601000	811000	521000	488000	352000	440000	249000	191000
23	389000	467000	543000	657000	659000	799000	513000	490000	360000	431000	256000	189000
24	418000	492000	581000	643000	735000	786000	518000	502000	374000	412000	261000	185000
25	485000	498000	595000	636000	806000	774000	526000	510000	391000	391000	263000	186000
26	553000	491000	601000	629000	864000	766000	531000	514000	401000	375000	256000	183000
27	581000	487000	602000	613000	893000	758000	530000	518000	429000	359000	240000	183000
28	596000	476000	598000	596000	913000	750000	525000	504000	454000	342000	234000	180000
29	603000	453000	591000	579000	931000	745000	522000	491000	465000	338000	227000	175000
30	608000	430000	581000	564000	---	751000	555000	478000	472000	332000	221000	170000
31	591000	---	575000	552000	---	769000	---	461000	---	330000	216000	---
TOTAL	13822000	12980000	16676000	22579000	19329000	27693000	20384000	16951000	13112000	14063000	8708000	5953000
MEAN	445900	432700	537900	728400	666500	893300	679500	546800	437100	453600	280900	198400
MAX	608000	570000	640000	922000	931000	1016000	842000	662000	534000	547000	354000	237000
MIN	338000	366000	414000	552000	492000	745000	513000	461000	352000	330000	216000	170000
AC-FT	27420000	25750000	33080000	44790000	38340000	54930000	40430000	33620000	26010000	27890000	17270000	11810000
CAL YR 1975	TOTAL 283367000	MEAN 776300	MAX 1839000	MIN 303000	AC-FT 562000000							
WTR YR 1976	TOTAL 192250000	MEAN 525300	MAX 1016000	MIN 170000	AC-FT 381300000							

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1975 to current year.

WATER TEMPERATURE: October 1973 to current year.

INSTRUMENTATION.--Specific conductance/temperature recorder since October 1973.

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

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 482 micromhos Sept. 19, 1976; minimum daily, 259 micromhos Jan. 13, 1976.

WATER TEMPERATURES: Maximum daily, 30.5°C July 25-Aug. 2, 1976; minimum daily, 4.0°C Jan. 9-13, 18-23, 1976.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

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

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

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 31.0°C July 14-15, Aug. 8-17; minimum daily, 0.0°C Jan. 15-27, Feb. 1-2.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL./100 ML)	FECAL STREPTOCOCCI (COL./100 ML)	HARDNESS (CA, MG)
OCT 12...	1130	E333000	450	7.4	19.0	30	8.3	960	8120	160
NOV 01...	1200	E306000	400	7.6	12.0	65	10.0	840	H200	140
DEC 07...	1100	E594000	410	8.0	6.5	20	12.2	880	260	160
JAN 04...	1100	E730000	342	7.9	1.5	25	13.6	<5	210	150
FEB 08...	1200	E1085000	320	7.9	1.5	30	12.6	8160	856	150
MAR 08...	1200	E1178000	350	7.8	7.5	80	9.1	710	760	130
APR 05...	1100	E1705000	254	7.6	14.0	200	7.8	2400	810	110
MAY 03...	1200	E1070000	340	7.8	19.5	45	7.0	430	8200	140
JUN 01...	1100	E882000	360	7.7	27.5	25	6.9	900	881	150
AUG 28...	1200	E655000	501	7.8	29.0	3	6.8	86400	8190	150
SEP 02...	1200	E418000	417	8.0	29.6	3	6.3	3900	220	150
SEP 07...	1200	E370000	420	7.7	28.0	80	7.0	3500	8150	140

DATE	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG)	DISSOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT 12...	49	40	14	26	26	.9	3.1	132	0
NOV 01...	48	38	12	24	26	.9	3.1	117	0
DEC 07...	45	41	13	24	25	.8	2.7	135	0
JAN 04...	43	39	13	23	24	.8	2.8	132	0
FEB 08...	37	41	11	19	21	.7	2.9	135	0
MAR 08...	48	35	9.7	21	26	.8	3.3	97	0
APR 05...	42	30	7.7	13	20	.5	2.6	79	0
MAY 03...	45	36	11	14	18	.5	3.0	110	0
JUN 01...	52	39	13	28	28	1.0	3.9	120	0
AUG 28...	34	40	12	35	33	1.2	3.8	140	0
SEP 02...	37	41	12	23	24	.8	3.4	140	0
SEP 07...	43	40	10	24	26	.9	4.2	120	0

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--CONTINUED

DATE	ALKA- LINITY AS CaCO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SI02) (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)
OCT 12...	108	8.4	69	21	.3	1.0	259	240	.35
NOV 01...	96	4.7	63	19	.3	4.8	234	222	.32
DEC 07...	111	2.2	63	19	.3	5.4	250	235	.34
JAN 04...	110	2.7	57	20	.2	5.1	246	225	.33
FEB 08...	110	2.7	40	19	.2	5.8	220	205	.30
MAR 08...	80	2.5	50	25	.2	4.7	222	197	.30
APR 05...	65	3.2	20	14	.1	5.9	165	132	.22
MAY 03...	90	2.8	50	14	.1	4.9	216	187	.29
JUN 01...	98	3.8	50	22	.2	5.6	231	221	.31
28...	110	3.6	53	45	.2	4.8	308	263	.42
AUG 02...	110	2.2	53	24	.2	3.7	256	229	.35
SEP 07...	98	3.8	54	26	.2	5.6	234	223	.32

DATE	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL PHYTO- PLANK- TON (CELLS PER ML)	SUS- PENDED SEDI- MENT (MG/L)	SUS- PENDED SEDI- MENT DIS- CHARGE (T/DAY)
OCT 12...	169000	.52	.77	1.3	5.7	.14	2300	149	97400
NOV 01...	193000	.73	.63	1.4	6.0	.19	5100	181	149000
DEC 07...	158000	.61	.60	1.2	5.4	.13	41	142	89700
JAN 04...	156000	.64	.81	1.5	6.4	.15	61	137	86900
FEB 08...	--	.48	.81	1.3	5.7	.13	8300	118	--
MAR 08...	--	.88	1.3	2.2	9.7	.30	--	619	--
APR 05...	--	1.1	1.2	2.3	10	.35	--	503	--
MAY 03...	--	.94	.65	1.6	7.0	.14	5600	229	--
JUN 01...	--	1.7	1.1	2.8	12	.15	2400	275	--
28...	--	.88	1.4	2.3	10	.20	8500	249	--
AUG 02...	--	.71	.74	1.5	6.4	.20	11000	208	--
SEP 07...	--	.96	.82	1.8	7.9	.23	23000	220	--

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--CONTINUED

DATE	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE D ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDE D CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL COBAL T (CO) (UG/L)	SUS- PENDE D COBAL T (CO) (UG/L)	DIS- SOLVED COBAL T (CO) (UG/L)
OCT												
12...	3	1	2	7	0	10	<10	<10	0	0	0	0
JAN												
04...	3	2	1	0	0	0	10	5	5	0	0	0
APR												
05...	6	5	1	0	0	0	20	12	8	2	2	0
JUN												
28...	4	0	4	0	0	2	10	8	2	0	0	0

DATE	TOTAL COPPER (CU) (UG/L)	SUS- PENDE D COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDE D LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE D MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)
OCT												
12...	15	10	5	2300	0	30	22	8	180	160	20	.1
JAN												
04...	8	5	3	1300	20	12	0	12	120	80	40	.0
APR												
05...	12	6	6	9200	80	26	23	3	310	300	10	.0
JUN												
28...	35	31	4	4900	10	13	6	7	220	210	10	.0

DATE	SUS- PENDE D MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE D SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDE D ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	BIOMASS CHLORO- PHYLL RATIO PERI- PHYTON CHROMO- SPECT- METRIC (MG/M2)	CHLOR-A PERI- PHYTON CHROMO- SPECT- METRIC (MG/M2)	CHLOR-B PERI- PHYTON CHROMO- SPECT- METRIC (MG/M2)
OCT												
12...	.0	.1	0	0	0	60	50	10	10	11770	1.34	1.11
JAN												
04...	.0	.0	1	0	1	30	20	10	5.0	--	--	--
APR												
05...	.0	.0	0	0	0	50	30	20	8.1	--	--	--
JUN												
28...	.0	.0	0	0	0	80	80	0	9.2	--	--	--

BENTHIC INVERTEBRATE ANALYSES, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE TIME	JUN 1,77 1202	JUN 1,77 1203
TOTAL COUNT	9	15
DIVERSITY: PHYLUM	0.0	0.0
..CLASS	0.0	0.0
...ORDER	0.0	0.0
....FAMILY	0.0	0.0
.....GENUS	0.0	0.0
.....GENUS-INSECTA	0.0	0.0
ORGANISM	COUNT	COUNT
ARTHROPODA (ARTHROPODS)		
..INSECTA		
...DIPTERA		
....CHIRONOMIDAE	9	15

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--CONTINUED
 PHYTOPLANKTON ANALYSES, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE TIME	OCT 12,76 1130	NOV 1,76 1200	DEC 7,76 1100	JAN 4,77 1100	FEB 8,77 1200
TOTAL CELLS/ML	2300	5100	41	61	8300
DIVERSITY: DIVISION	0.0	1.2	0.6	1.0	0.3
..CLASS	0.0	1.2	0.6	1.0	0.3
..ORDER	0.0	1.4	1.3	1.2	0.6
...FAMILY	1.9	2.2	2.5	1.6	0.7
....GENUS	2.1	2.6	2.6	1.8	1.4

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)										
..CHLOROPHYCEAE										
...CHLOROCOCCALES										
....COELASTRACEAE										
.....COELASTRUM	--	-	--	-	--	-	--	-	--	-
.....HYDRODICTYACEAE										
.....PEDIASTRUM	--	-	280	5	--	-	--	-	--	-
.....MICRACTINIACEAE										
.....MICRACTINIUM	--	-	--	-	--	-	42#	69	--	-
.....OOCYSTACEAE										
.....ANKISTRODESMUS	--	-	--	-	--	-	0	1	380	5
.....CLOSTERIOPSIS	--	-	--	-	--	-	--	-	--	-
.....DICTYOSPHAERIUM	--	-	--	-	--	-	--	-	--	-
.....OOCYSTIS	--	-	170	3	--	-	--	-	--	-
.....QUADRIGULA	--	-	--	-	--	-	--	-	--	-
.....SELENASTRUM	--	-	--	-	--	-	--	-	--	-
.....TETRAEDRON	--	-	220	4	--	-	--	-	--	-
.....SCENEDESMACEAE										
.....ACTINASTRUM	--	-	--	-	--	-	--	-	--	-
.....CRUCIGENIA	--	-	--	-	--	-	--	-	--	-
.....SCENEDESMUS	--	-	2400#	48	6	14	--	-	--	-
.....TETRASTRUM	--	-	--	-	--	-	1	2	--	-
..ULOTRICHALES										
...ULOTRICHACEAE										
....STICHOCOCCUS	--	-	--	-	--	-	--	-	--	-
....VOLVOCALES										
...CHLAMYDOMONADACEAE										
....CHLAMYDOMONAS	--	-	55	1	--	-	--	-	75	1
..ZYGNEMATALES										
...DESMIDIACEAE										
....CLOSTERIUM	--	-	--	-	--	-	--	-	--	-
..CHLOROCOCCALES										
...OOCYSTACEAE										
....GLOEOACTINIUM	--	-	440	9	--	-	2	3	--	-
CHRYSTOPHYTA										
..BACILLARIOPHYCEAE										
...CENTRALES										
....COSCINODISCACEAE										
.....COSCINODISCUS	--	-	--	-	--	-	--	-	--	-
.....CYCLOTELLA	--	-	670	13	9#	21	7	11	5700#	69
.....MELOSIRA	--	-	170	3	--	-	3	4	1700#	20
.....STEPHANODISCUS	--	-	--	-	--	-	--	-	--	-
..PENNALES										
...ACHNANTHACEAE										
....ACHNANTHES	--	-	--	-	3	7	--	-	--	-
....COCCONEIS	--	-	--	-	3	7	--	-	--	-
...CYMRELLACEAE										
....AMPHORA	140	6	--	-	--	-	--	-	--	-
....EPITHEMIA	190	8	--	-	--	-	--	-	--	-
...DIATOMACEAE										
....DIATOMA	240	10	--	-	9#	21	0	1	--	-
....FRAGILARIACEAE										
.....ASTERIONELLA	--	-	--	-	--	-	3	4	300	4
....FRAGILARIA	--	-	--	-	--	-	--	-	--	-
....SYNEDRA	95	4	--	-	--	-	--	-	--	-
...GOMPHONEMATACEAE										
....GOMPHONEMA	240	10	--	-	9#	21	--	-	--	-
...NAVICULACEAE										
....GYROSIGMA	--	-	--	-	--	-	--	-	--	-
....NAVICULA	1300#	57	--	-	3	7	0	1	--	-
...PINNULARIA	--	-	--	-	--	-	--	-	--	-
...NITZSCHACEAE										
....HANTZSCHIA	47	2	--	-	--	-	--	-	--	-
....NITZSCHIA	47	2	280	5	--	-	0	1	150	2
...SURIPELLACEAE										
....SURIPELLA	--	-	--	-	--	-	--	-	--	-
..CHRYSTOPHYCEAE										
...CHRYSONOMADALES										
....OCHROMONADACEAE										
....DINOBRYON	--	-	--	-	--	-	0	1	--	-

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--CONTINUED

PHYTOPLANKTON ANALYSES, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE TIME	OCT 12,76 1100		NOV 1,76 1200		DEC 7,76 1100		JAN 4,77 1100		FEB 8,77 1200	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CYANOPHYTA (BLUE-GREEN ALGAE)										
..CYANOPHYCEAE										
...CHROCCOCCALES										
...CHROCCOCCAEAE										
....ANACYSTIS	--	-	280	5	--	-	2	4	--	-
...HORMOGONALES										
...NOSTOCACEAE										
....ANABAENA	--	-	--	-	--	-	--	-	--	-
....APHANIZOMENON	--	-	--	-	--	-	--	-	--	-
...OSCILLATORIACEAE	--	-	--	-	--	-	--	-	--	-
....LYNGBYA	--	-	--	-	--	-	--	-	--	-
...OSCILLATORIA	--	-	--	-	--	-	--	-	--	-
...RIVULARIACEAE	--	-	--	-	--	-	--	-	--	-
...RAPHIDIOPSIS	--	-	--	-	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)										
..CRYPTOPHYCEAE										
...CRYPTOMONIDALES										
...CRYPTOMONODACEAE										
....CRYPTOMONAS	--	-	--	-	--	-	--	-	--	-
..EUGLENOPHYCEAE										
...EUGLENALES										
...EUGLENACEAE										
....EUGLENA	--	-	--	-	--	-	--	-	--	-
....PHACUS	--	-	--	-	--	-	--	-	--	-
...TRACHELOMONAS	--	-	110	2	--	-	--	-	--	-
PYRRHOPHYTA (FIRE ALGAE)										
..DINOPHYCEAE										
...GYMNODINIALES										
...GYMNODINIACEAE										
....GYMNODINIUM	--	-	--	-	--	-	--	-	--	-

DATE TIME	MAY 3,77 1200	JUN 1,77 1100	JUN 28,77 1200	AUG 2,77 1200	SEP 7,77 1200
TOTAL CELLS/ML	5600	2400	8500	11000	23000
DIVERSITY: DIVISION	1.5	1.4	1.6	1.6	0.9
..CLASS	1.5	1.4	1.6	1.6	0.9
...ORDER	2.0	2.0	2.1	1.9	1.7
...FAMILY	2.2	2.4	2.8	2.6	1.9
....GENUS	0.0	3.0	3.2	2.9	2.0

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)										
..CHLOROPHYCEAE										
...CHLOROCOCCALES										
...COELASTRACEAE										
....COELASTRUM	--	-	--	-	310	4	530	5	--	-
...HYDRODICTYACEAE										
....PEDIATRUM	--	-	250	10	140	2	260	2	930	4
...MICRACTINIACEAE										
....MICRACTINIUM	--	-	--	-	--	-	990	9	--	-
...OOCYSTACEAE										
....ANKISTRODESMUS	55	1	*	0	--	-	*	0	--	-
....CLOSTERIOPSIS	--	-	--	-	--	-	*	0	--	-
...DICTYOSPHAERIUM	--	-	--	-	310	4	--	-	--	-
....OOCYSTIS	--	-	--	-	230	3	130	1	--	-
...QUADRIGULA	--	-	--	-	--	-	200	2	--	-
...SELENASTRUM	110	2	--	-	--	-	--	-	--	-
...TETRAEDRON	--	-	*	0	*	0	--	-	--	-
...SCENEDESMACFAE										
....ACTINASTRUM	--	-	--	-	--	-	130	1	--	-
...CRUCIGENIA	660	12	--	-	--	-	--	-	230	1
...SCENEDESMUS	880	16	150	6	860	10	390	4	2500	11
...TETRASTRUM	220	4	41	2	--	-	--	-	--	-
...ULOTRICHIALES										
...ULOTRICHACEAE										
...STICHOCOCCUS	660	12	--	-	--	-	--	-	--	-
...VOLVOCALES										
...CHLAMYDOMONADACEAE										
....CHLAMYDOMONAS	--	-	--	-	--	-	--	-	--	-
...ZYGEMATALES										
...DESMIDIACEAE										
....CLOSTERIUM	--	-	--	-	*	0	--	-	--	-
...CHLOROCOCCALES										
...OOCYSTACEAE										
...GLOEOACTINIUM	--	-	--	-	--	-	--	-	--	-

MISSISSIPPI RIVER MAIN STEM

189

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--CONTINUED

PHYTOPLANKTON ANALYSES, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE TIME	MAY 3.77 1200	JUN 1.77 1100	JUN 28.77 1200	AUG 2.77 1200	SEP 7.77 1200	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHRYSOPHYTA						
..BACILLARIOPHYCEAE						
...CENTRALES						
....COSCINODISCACEAE						
....COSCINODISCUS	* 0	-- --	-- --	* 0	-- --	
....CYCLOTELLA	940# 17	450# 19	860 10	430 4	-- --	
....MELOSIRA	220 4	790# 33	1500# 17	2900# 28	230 1	
....STEPHANODISCUS	-- --	-- --	-- --	-- --	120 1	
..PENNALES						
....ACHNANTHACEAE						
....ACHNANTHES	-- --	-- --	-- --	-- --	170 1	
....COCONEIS	-- --	-- --	-- --	-- --	-- --	
....CYMBELLACEAE						
....AMPHORA	-- --	-- --	-- --	-- --	-- --	
....EPITHEMIA	-- --	-- --	-- --	-- --	-- --	
....DIATOMACEAE						
....DIATOMA	-- --	-- --	-- --	-- --	-- --	
....FRAGILARIACEAE						
....ASTERIONELLA	-- --	-- --	-- --	-- --	-- --	
....FRAGILARIA	-- --	160 6	1500# 18	-- --	-- --	
....SYNEDRA	-- --	* 0	* 0	* 0	* 0	
....GOMPHONEMACEAE						
....GOMPHONEHA	-- --	-- --	-- --	-- --	-- --	
....NAVICULACEAE						
....GYROSIGMA	-- --	* 0	-- --	-- --	-- --	
....NAVICULA	-- --	41 2	59 1	66 1	120 1	
....PINNULARIA	-- --	-- --	-- --	-- --	* 0	
....NITZSCHIA						
....NITZSCHIA	-- --	-- --	-- --	-- --	-- --	
....NITZSCHIA	170 3	83 3	270 3	180 2	170 1	
....SURIPELLACEAE	-- --	* 0	-- --	-- --	-- --	
....SURIPELLA	-- --	-- --	-- --	-- --	-- --	
..CHRYSOPHYCEAE						
..CHRYSONOMADALES						
..OCHROMONADACEAE						
..DINOBRYON	-- --	-- --	-- --	-- --	-- --	
CYANOPHYTA (BLUE-GREEN ALGAE)						
..CYANOPHYCEAE						
..CHROCOCCOCCALES						
..CHROCOCCOCCAEAE						
....ANACYSTIS	-- --	260 11	-- --	260 2	11000# 45	
....HORMOGONALES						
....NOSTOCACEAE						
....ANABAENA	-- --	-- --	* 0	-- --	-- --	
....APHANIZOMENON	-- --	-- --	270 3	280 3	-- --	
....OSCILLATORIACEAE	1700# 30	-- --	-- --	-- --	-- --	
....LYNGBYA	-- --	-- --	-- --	-- --	7900# 34	
....OSCILLATORIA	-- --	93 4	2000# 23	3600# 34	-- --	
....RIVULARIACEAE	-- --	-- --	-- --	99 1	-- --	
....RAPHIDIOPSIS	-- --	-- --	-- --	-- --	-- --	
EUGLENOPHYTA (EUGLENOIDS)						
..CRYPTOPHYCEAE						
..CRYPTOMONIDALES						
..CRYPTOMONODACEAE						
....CRYPTOMONAS	-- --	-- --	* 0	-- --	-- --	
..EUGLENOPHYCEAE						
..EUGLENALES						
....EUGLENACEAE						
....EUGLENA	-- --	21 1	-- --	* 0	-- --	
....PHACUS	-- --	-- --	* 0	-- --	-- --	
....TRACHELOMONAS	-- --	21 1	* 0	-- --	170 1	
PYRRHOPHYTA (FIRE ALGAE)						
..DINOPHYCEAE						
..GYMNODINIALES						
..GYMNODINIACEAE						
....GYMNODINIUM	-- --	* 0	-- --	* 0	-- --	

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

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

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--CONTINUED

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) • WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	453	441	447	404	395	400	413	406	409	395	388	391
2	466	446	454	404	395	399	419	407	411	406	394	398
3	474	466	471	397	384	391	429	421	427	400	395	397
4	474	464	469	384	367	373	433	426	430	401	397	399
5	480	468	472	367	354	361	426	419	423	409	400	404
6	474	463	467	352	348	350	422	412	418	412	404	408
7	470	461	467	358	354	357	421	410	417	406	397	402
8	461	434	445	358	354	356	431	421	426	401	378	387
9	436	431	433	354	348	350	429	410	419	395	380	387
10	436	429	433	350	348	349	410	391	401	382	358	373
11	439	433	435	355	350	352	392	380	386	374	356	366
12	443	439	442	366	355	361	394	378	387	363	349	355
13	441	434	438	374	366	369	398	386	391	354	342	348
14	443	436	439	374	371	372	412	389	402	357	335	348
15	461	445	452	371	370	371	419	410	414	357	352	355
16	480	461	471	371	366	369	415	406	410	363	354	357
17	490	478	484	369	365	366	410	395	404	360	351	355
18	490	484	488	378	370	374	397	376	386	358	345	352
19	490	474	481	392	380	386	378	367	373	351	342	348
20	482	474	476	394	392	394	373	361	368	342	324	334
21	488	480	483	392	386	389	373	365	368	328	314	320
22	478	466	471	394	388	389	378	369	372	324	317	322
23	490	464	474	401	394	397	385	376	380	320	308	314
24	488	464	474	401	397	398	384	380	381	322	313	316
25	474	453	465	400	397	398	391	376	383	324	320	322
26	455	448	452	407	400	403	380	370	374	319	311	316
27	451	424	441	409	397	403	380	362	370	311	304	308
28	446	439	443	415	409	412	377	363	369	308	299	304
29	446	436	444	419	392	415	384	371	378	311	308	310
30	446	434	440	418	413	416	389	380	382	316	310	312
31	433	395	416	---	---	---	395	384	387	324	317	319
FEBRUARY			MARCH			APRIL			MAY			
1	331	324	328	---	---	---	284	263	274	307	299	303
2	336	330	333	---	---	---	277	258	264	309	296	302
3	345	335	341	---	---	---	280	272	275	317	296	306
4	345	340	343	---	---	---	282	260	271	314	306	310
5	354	342	349	---	---	---	265	255	259	314	309	311
6	360	354	356	---	---	---	283	266	272	316	309	313
7	363	358	360	---	---	---	286	279	284	317	308	312
8	373	363	369	---	---	---	279	263	269	314	305	310
9	376	369	372	---	---	---	263	255	259	311	302	307
10	371	366	368	---	---	---	268	259	263	323	310	316
11	376	354	367	---	---	---	278	268	273	327	323	325
12	370	297	335	---	---	---	279	274	276	326	319	323
13	385	307	353	---	---	---	274	268	270	331	323	326
14	406	385	393	---	---	---	269	267	268	337	330	333
15	415	404	411	---	---	---	272	267	269	344	337	339
16	412	406	408	---	---	---	276	269	272	362	345	354
17	412	406	409	---	---	---	285	277	280	365	351	358
18	419	412	416	---	---	---	290	281	284	352	338	344
19	418	410	414	---	---	---	287	272	278	340	331	336
20	410	403	407	---	---	---	271	258	267	335	327	331
21	421	406	410	---	---	---	260	250	254	337	331	335
22	433	421	428	---	---	---	253	242	246	348	337	341
23	419	333	394	---	---	---	258	247	252	358	349	353
24	410	360	404	---	---	---	265	258	261	363	357	360
25	407	403	404	---	---	---	274	265	269	370	358	364
26	407	401	404	---	---	---	281	274	276	370	356	363
27	---	---	---	---	---	---	285	281	282	363	350	356
28	---	---	---	---	---	---	288	284	286	357	349	354
29	---	---	---	---	---	---	296	288	291	357	350	354
30	---	---	---	277	271	274	304	295	299	363	354	357
31	---	---	---	285	276	280	---	---	---	366	362	365

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--CONTINUED

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	543	522	532	---	---	---	384	370	376
2	---	---	---	546	534	540	---	---	---	401	384	389
3	---	---	---	531	496	509	395	378	387	404	392	397
4	---	---	---	503	494	498	404	394	400	395	376	384
5	---	---	---	494	466	477	413	398	404	374	358	366
6	---	---	---	468	448	459	412	400	406	371	365	368
7	---	---	---	448	415	431	415	398	405	381	367	374
8	---	---	---	416	391	402	419	407	412	385	371	379
9	---	---	---	403	389	397	431	416	421	389	381	385
10	---	---	---	404	384	400	446	429	436	394	385	389
11	---	---	---	409	401	405	450	433	439	397	378	386
12	---	---	---	415	407	410	450	433	441	412	397	402
13	---	---	---	421	415	418	448	424	437	418	412	415
14	---	---	---	418	412	415	438	419	428	---	---	---
15	---	---	---	418	410	415	428	413	421	412	400	402
16	---	---	---	---	---	---	439	421	426	401	377	389
17	---	---	---	---	---	---	439	431	437	385	360	372
18	---	---	---	---	---	---	438	418	425	362	349	355
19	---	---	---	---	---	---	433	412	418	360	342	350
20	---	---	---	---	---	---	441	434	438	344	334	340
21	---	---	---	---	---	---	439	422	432	350	334	341
22	---	---	---	---	---	---	421	398	409	357	344	350
23	---	---	---	---	---	---	410	397	404	362	351	356
24	---	---	---	---	---	---	403	391	399	367	357	363
25	---	---	---	---	---	---	401	391	396	367	346	358
26	---	---	---	---	---	---	407	395	402	346	323	332
27	---	---	---	---	---	---	406	384	396	324	310	316
28	503	492	498	---	---	---	394	377	384	320	308	313
29	503	488	494	---	---	---	376	360	367	314	308	310
30	520	494	505	---	---	---	380	366	371	319	316	317
31	---	---	---	---	---	---	380	369	375	---	---	---

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	23.5	23.5	23.5	12.5	12.5	12.5	6.5	6.5	6.5	3.5	2.5	3.5
2	23.5	23.0	23.5	12.5	12.0	12.5	6.5	6.5	6.5	2.5	2.0	2.5
3	23.5	23.0	23.5	12.5	12.0	12.0	6.5	6.0	6.5	2.0	2.0	2.0
4	23.5	23.0	23.0	12.5	12.0	12.0	6.0	6.0	6.0	2.0	1.5	1.5
5	23.0	23.0	23.0	12.0	12.0	12.0	6.0	6.0	6.0	1.5	1.0	1.5
6	23.0	22.0	22.5	12.0	11.5	11.5	6.0	6.0	6.0	1.5	1.5	1.5
7	22.0	21.5	22.0	11.5	11.5	11.5	6.0	6.0	6.0	1.5	1.5	1.5
8	21.5	20.5	21.0	11.5	11.0	11.0	5.5	5.0	5.5	1.5	1.5	1.5
9	20.0	19.5	20.0	11.0	10.5	11.0	5.0	5.0	5.0	2.0	1.5	2.0
10	19.5	19.5	19.5	11.0	10.5	11.0	5.5	5.0	5.0	2.0	1.5	2.0
11	19.5	19.5	19.5	11.0	10.5	11.0	5.5	5.5	5.5	1.5	1.0	1.5
12	20.0	19.5	19.5	10.5	10.0	10.5	5.5	5.5	5.5	1.0	1.0	1.0
13	20.0	19.5	19.5	10.0	9.0	9.5	5.5	5.0	5.5	1.0	0.5	0.5
14	20.0	19.5	20.0	9.0	8.5	9.0	5.0	5.0	5.0	1.0	0.5	0.5
15	20.0	20.0	20.0	8.5	8.5	8.5	5.0	5.0	5.0	0.5	0.0	0.5
16	20.0	19.5	20.0	8.5	8.0	8.0	5.0	4.5	4.5	0.5	0.0	0.0
17	19.5	18.5	18.5	8.0	8.0	8.0	5.0	4.5	4.5	0.0	0.0	0.0
18	18.5	18.0	18.0	8.0	8.0	8.0	4.5	4.5	4.5	0.0	0.0	0.0
19	18.0	17.5	18.0	8.5	8.0	8.0	5.0	4.5	4.5	0.0	0.0	0.0
20	17.5	17.0	17.0	8.5	8.0	8.5	5.0	5.0	5.0	0.0	0.0	0.0
21	17.0	16.5	16.5	8.5	8.5	8.5	5.0	5.0	5.0	0.0	0.0	0.0
22	16.5	16.5	16.5	8.5	8.0	8.5	5.0	4.5	4.5	0.0	0.0	0.0
23	16.5	16.0	16.5	8.0	8.0	8.0	4.5	4.5	4.5	0.0	0.0	0.0
24	16.5	16.0	16.0	8.0	8.0	8.0	4.5	4.5	4.5	0.0	0.0	0.0
25	16.0	16.0	16.0	8.5	8.0	8.5	4.5	4.5	4.5	0.0	0.0	0.0
26	16.0	15.0	15.5	8.5	8.5	8.5	4.5	4.5	4.5	0.0	0.0	0.0
27	15.0	14.5	14.5	9.0	8.5	9.0	4.5	4.5	4.5	0.5	0.0	0.0
28	14.5	13.5	14.0	9.0	8.0	8.5	4.5	4.5	4.5	1.0	0.5	1.0
29	13.5	13.0	13.0	8.0	7.0	7.5	4.5	4.5	4.5	1.0	0.5	1.0
30	13.0	12.5	13.0	7.0	6.5	7.0	4.5	4.5	4.5	1.0	1.0	1.0
31	12.5	12.5	12.5	---	---	---	4.5	4.0	4.0	1.0	0.5	0.5

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--CONTINUED

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	0.5	0.0	0.5	---	---	---	15.0	14.5	14.5	20.5	20.5	20.5
2	1.0	0.0	0.5	---	---	---	15.5	15.0	15.0	20.5	20.0	20.5
3	1.0	0.5	0.5	---	---	---	15.0	15.0	15.0	20.5	20.5	20.5
4	1.5	1.0	1.0	---	---	---	15.0	14.5	15.0	21.0	20.5	20.5
5	1.5	1.5	1.5	---	---	---	14.5	14.5	14.5	21.5	21.0	21.0
6	2.0	1.5	1.5	---	---	---	15.0	14.5	14.5	21.5	21.0	21.5
7	2.0	1.5	2.0	---	---	---	15.0	14.5	15.0	22.0	21.5	21.5
8	2.0	1.5	2.0	---	---	---	15.5	15.0	15.0	22.0	22.0	22.0
9	2.5	2.0	2.0	---	---	---	16.0	15.5	15.5	22.5	22.0	22.0
10	2.5	2.0	2.0	---	---	---	16.0	15.5	16.0	22.5	22.0	22.0
11	3.0	2.5	2.5	---	---	---	16.5	15.5	16.0	22.0	21.5	22.0
12	3.5	3.0	3.5	---	---	---	16.5	16.0	16.5	22.0	22.0	22.0
13	4.0	3.5	3.5	---	---	---	16.5	16.5	16.5	22.5	22.0	22.5
14	4.0	4.0	4.0	---	---	---	17.0	16.5	16.5	22.5	22.5	22.5
15	4.5	4.0	4.0	---	---	---	17.0	16.5	17.0	22.5	22.0	22.5
16	4.5	4.0	4.0	---	---	---	17.0	17.0	17.0	23.0	22.5	22.5
17	4.5	4.0	4.5	---	---	---	17.5	17.0	17.5	23.0	23.0	23.0
18	5.0	4.5	4.5	---	---	---	18.0	17.5	17.5	23.5	23.0	23.0
19	5.0	5.0	5.0	---	---	---	18.0	18.0	18.0	23.5	23.0	23.5
20	5.0	5.0	5.0	---	---	---	18.0	18.0	18.0	24.0	23.5	24.0
21	5.0	4.5	4.5	---	---	---	18.5	18.0	18.0	24.0	24.0	24.0
22	4.5	4.0	4.5	---	---	---	18.5	18.0	18.5	24.5	24.0	24.0
23	5.0	4.5	5.0	---	---	---	18.5	18.5	18.5	25.0	24.5	24.5
24	5.0	5.0	5.0	---	---	---	19.0	18.5	18.5	25.0	24.5	25.0
25	5.5	5.0	5.0	---	---	---	19.5	19.0	19.0	25.0	24.5	25.0
26	6.5	5.5	6.0	---	---	---	19.5	19.0	19.5	25.5	25.0	25.0
27	---	---	---	---	---	---	20.0	19.0	20.0	25.5	25.0	25.5
28	---	---	---	---	---	---	20.0	19.5	20.0	26.0	25.5	26.0
29	---	---	---	---	---	---	20.5	20.0	20.0	26.5	26.0	26.5
30	---	---	---	14.5	14.0	14.5	20.5	20.0	20.5	27.0	26.5	26.5
31	---	---	---	14.5	14.5	14.5	---	---	---	27.5	27.0	27.0
JUNE			JULY			AUGUST			SEPTEMBER			
1	---	---	---	28.5	28.5	28.5	---	---	---	29.0	28.5	29.0
2	27.0	27.0	27.0	28.5	28.5	28.5	---	---	---	29.5	28.5	29.0
3	27.5	26.0	27.0	29.5	28.0	28.5	30.0	29.5	30.0	29.5	29.0	29.0
4	27.5	27.0	27.5	28.5	28.5	28.5	30.0	30.0	30.0	29.5	28.5	29.0
5	27.5	27.5	27.5	29.0	28.5	28.5	30.0	30.0	30.0	29.0	28.5	29.0
6	28.0	27.5	27.5	29.0	28.5	29.0	30.5	30.0	30.0	28.5	28.5	28.5
7	27.5	27.0	27.5	29.5	29.0	29.5	30.5	30.0	30.5	28.5	28.5	28.5
8	27.0	26.5	27.0	30.0	29.5	29.5	31.0	30.0	30.5	28.5	28.5	28.5
9	27.0	26.5	26.5	30.0	29.5	29.5	31.0	30.5	31.0	28.5	28.5	28.5
10	27.0	26.5	26.5	29.5	29.5	29.5	31.0	30.5	31.0	29.0	28.5	28.5
11	27.0	26.5	26.5	29.5	29.0	29.5	31.0	30.5	30.5	29.0	28.5	29.0
12	27.0	26.5	27.0	30.0	29.0	29.5	31.0	30.5	30.5	29.0	28.5	28.5
13	27.0	26.5	27.0	30.0	30.0	30.0	31.0	30.0	30.5	28.5	28.5	28.5
14	26.5	26.0	26.5	31.0	30.0	30.0	31.0	30.5	30.5	---	---	---
15	26.5	26.0	26.0	31.0	30.5	31.0	31.0	30.5	31.0	26.5	26.0	26.0
16	---	---	---	---	---	---	31.0	30.5	31.0	26.0	26.0	26.0
17	---	---	---	---	---	---	31.0	30.5	31.0	26.0	26.0	26.0
18	---	---	---	---	---	---	30.5	29.5	30.0	26.0	25.5	26.0
19	---	---	---	---	---	---	29.5	28.5	29.0	26.0	25.5	26.0
20	---	---	---	---	---	---	29.0	28.5	28.5	25.5	25.5	25.5
21	---	---	---	---	---	---	29.0	28.5	28.5	25.5	25.0	25.5
22	---	---	---	---	---	---	28.5	28.5	28.5	25.5	25.0	25.0
23	---	---	---	---	---	---	28.5	28.5	28.5	25.5	25.0	25.0
24	---	---	---	---	---	---	29.0	28.5	28.5	25.0	25.0	25.0
25	---	---	---	---	---	---	29.0	28.0	28.5	25.0	24.5	24.5
26	---	---	---	---	---	---	29.0	29.0	29.0	24.5	24.0	24.5
27	---	---	---	---	---	---	29.0	29.0	29.0	24.5	24.0	24.0
28	29.0	28.5	28.5	---	---	---	29.0	28.5	28.5	24.0	24.0	24.0
29	29.0	28.5	28.5	---	---	---	28.5	28.5	28.5	24.0	23.5	24.0
30	28.5	28.5	28.5	---	---	---	29.0	28.5	28.5	24.0	23.5	23.5
31	---	---	---	---	---	---	29.0	28.5	28.5	---	---	---

BIG BLACK RIVER BASIN

193

07289350 BIG BLACK RIVER AT WEST, MS

LOCATION.--Lat 33°11'39", long 89°46'15", in NW¼ sec.3, T.15 N., R.5 E., Choctaw Meridian, Attala County, Hydrologic Unit 08060201, on downstream side of bridge on State Highway 19, 0.2 mi (0.3 km) east of West, 5.2 mi (8.4 km) upstream from Jordan Creek, and 7.1 mi (11.4 km) downstream from Zilpha Creek.

DRAINAGE AREA.--985 mi² (2,551 km²).

PERIOD OF RECORD.--September 1971 to current year. July 1936 to December 1946 and January 1947 to 1971 (gage heights and occasional discharge measurements) in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder. Datum of gage is 249.74 ft (76.121 m) above mean sea level. Prior to June 10, 1948, nonrecording gage; and June 10, 1948, to Nov. 2, 1967, recorder at site about 2,000 ft (610 m) downstream at same datum.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--6 years, 1,683 ft³/s (47.66 m³/s), 23.20 in/yr (589 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 57,700 ft³/s (1,630 m³/s) Mar. 16, 1973, gage height, 25.11 ft (7.654 m); minimum, 40 ft³/s (1.13 m³/s) Sept. 16, 1972, gage height, 1.12 ft (0.341 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 30, 1951, reached a stage of 24.09 ft (7.343 m), 47,000 ft³/s (1,330 m³/s) at site about 2,000 ft (610 m) downstream.

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

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Mar. 4	1900	*26400 748	22.36 6.815	Apr. 5	1300	11800 334	20.21 6.160

Minimum discharge, 41 ft³/s (1.16 m³/s) July 8; minimum gage height, 1.42 ft (0.433 m) Sept. 5.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	97	559	1140	681	534	2980	1490	204	85	49	1230	49
2	93	396	796	504	510	2890	2200	192	80	46	644	47
3	80	236	431	449	485	3520	3390	191	77	44	344	45
4	72	171	318	504	475	17500	6340	199	73	43	257	44
5	67	141	268	623	466	22000	11200	210	70	42	188	43
6	66	125	256	706	436	22500	10900	201	67	43	138	68
7	156	116	488	1430	394	17800	9210	182	64	43	110	495
8	326	110	543	1490	359	11200	7340	170	62	42	97	868
9	194	107	521	2360	340	7810	5190	186	60	50	88	787
10	119	106	387	4740	330	5380	3620	208	58	311	81	840
11	95	112	336	6390	327	3820	2600	158	57	306	94	811
12	84	128	949	5910	406	3990	1130	142	56	191	97	545
13	77	163	1880	7320	734	5190	624	130	60	178	78	263
14	73	184	1830	6880	822	3770	500	125	120	144	76	173
15	69	226	1650	5890	689	4330	436	120	153	111	76	173
16	68	242	1630	4300	519	6100	387	115	144	125	72	179
17	67	248	1260	3410	421	4900	342	110	115	246	95	158
18	71	208	671	3120	374	3560	307	106	95	211	106	156
19	75	175	446	2830	353	2570	289	102	80	126	95	144
20	78	163	1000	1620	336	1390	309	100	66	94	103	357
21	74	182	1640	914	318	1110	314	98	60	362	89	374
22	74	232	1460	753	301	1080	906	95	55	266	74	271
23	75	247	1410	679	329	910	1110	92	52	139	66	175
24	75	207	939	1260	1180	694	773	100	50	202	61	144
25	100	181	1060	1780	1730	573	592	136	52	267	63	1040
26	291	175	2270	1690	1790	511	399	139	120	220	70	958
27	452	222	2250	1720	2440	476	313	131	105	699	65	637
28	324	398	1970	1580	3040	831	266	120	90	980	70	370
29	196	1020	2000	1120	---	1600	240	110	70	1120	64	559
30	215	1070	2060	755	---	1460	221	100	58	1700	57	752
31	375	---	1390	587	---	1470	---	90	---	1610	53	---
TOTAL	4278	7850	35249	73995	20438	163915	72938	4362	2354	10010	4801	11525
MEAN	138	262	1137	2387	730	5288	2431	141	78.5	323	155	384
MAX	452	1070	2270	7320	3040	22500	11200	210	153	1700	1230	1040
MIN	66	106	256	449	301	476	221	90	50	42	53	43
CFSM	.14	.27	1.15	2.42	.74	5.37	2.47	.14	.08	.33	.16	.39
IN.	.16	.30	1.33	2.79	.77	6.19	2.75	.16	.09	.38	.18	.44

CAL YR 1976 TOTAL 488028 MEAN 1333 MAX 10700 MIN 58 CFSM 1.35 IN 18.43
WTR YR 1977 TOTAL 411715 MEAN 1128 MAX 22500 MIN 42 CFSM 1.15 IN 15.55

BIG BLACK RIVER BASIN

07290000 BIG BLACK RIVER NEAR BOVINA, MS

LOCATION.--Lat 32°20'51", long 90°41'48", in NW¼SE¼ sec.22, T.16 N., R.5 E., Washington Meridian, Hinds County, Hydrologic Unit 08060202, on left bank at downstream side of bridge on U.S. Highway 80 (old), 300 ft (90 m) upstream from Clear Creek, 0.4 mi (0.6 km) upstream from Illinois Central Railroad bridge, 2 mi (3 km) east of Bovina, 12 mi (19 km) upstream from Fourteenmile Creek, and at mile 61.7 (99.3 km). Records include flow of Clear Creek.

DRAINAGE AREA.--2,810 mi² (7,280 km²), approximately (includes that of Clear Creek).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1936 to current year. Prior to October 1938 monthly discharge only, published in WSP 1311.

REVISED RECORDS.--WRD Miss. 1968: 1966-67.

GAGE.--Water-stage recorder and supplemental nonrecording gage read twice daily. Datum of gage is 84.93 ft (25.887 m) above mean sea level, or 85.00 ft (25.908 m) above mean Gulf level (levels by Corps of Engineers). Prior to Oct. 23, 1941, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--41 years, 3,561 ft³/s (100.85 m³/s); 17.21 in/yr (437 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 63,500 ft³/s (1,800 m³/s) Dec. 20, 1961, gage height, 40.53 ft (12.354 m); minimum, 65 ft³/s (1.84 m³/s) Oct. 2, 1954, gage height, 5.98 ft (1.823 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--From information by local residents, floods at Askews Bridge, 6 mi (10 km) upstream, reached elevations above mean sea level as follows: Dec. 20, 1961, 139.2 ft (42.43 m); in 1912 and in January 1927, 139 ft (42.4 m); Apr. 1, 1951, 138.5 ft (42.21 m). A flood in May 1930, reached about the same elevation as that of Apr. 1, 1951, at Askews Bridge.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 27,800 ft³/s (787 m³/s) Mar. 12, gage height, 37.97 ft (11.573 m); minimum, 182 ft³/s (5.15 m³/s) Oct. 23, 24; minimum gage height, 6.91 ft (2.106 m) Sept. 8.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	206	475	1290	4760	2510	7300	6420	1120	344	242	2220	300
2	208	442	1440	3300	2100	7070	7270	1010	322	264	2870	254
3	201	436	1480	2620	1810	8090	8940	944	308	252	2750	230
4	204	464	1360	2060	1660	13900	10300	886	295	245	2340	221
5	213	509	1270	1670	1600	14100	11500	844	298	308	1730	250
6	241	506	1180	1570	1560	14700	12600	919	272	269	1170	211
7	223	439	2010	2000	1500	16400	14900	911	262	254	814	202
8	208	372	2000	2370	1400	18600	18600	823	252	228	630	197
9	201	324	2170	7350	1290	22000	20100	782	247	375	514	280
10	244	291	2040	10300	1190	24900	18800	738	242	915	440	254
11	286	275	1590	10300	1110	27000	17200	718	240	852	390	358
12	286	275	1330	10300	1190	27600	15900	686	228	626	350	694
13	344	257	1950	10500	1420	26400	14900	638	226	480	322	844
14	327	278	3390	11000	1750	24600	14100	599	247	402	295	911
15	286	302	4200	11500	1990	22300	13200	561	282	431	282	919
16	254	316	4400	11900	1930	19600	12200	514	322	483	269	802
17	231	335	3880	12400	1780	17200	10900	483	463	543	272	662
18	213	358	2910	12500	1610	15400	7670	450	507	514	408	558
19	204	401	2340	12100	1410	13800	3910	434	463	568	1450	463
20	199	428	2270	11400	1220	12300	2740	415	421	529	1020	466
21	192	456	2350	10800	1090	10900	6420	399	399	686	504	504
22	184	453	2140	10200	999	9720	7510	390	358	626	341	642
23	182	428	2880	9740	1030	8500	5850	381	319	873	295	1120
24	182	391	2940	9420	1830	7300	4770	372	295	894	272	1110
25	187	389	3900	8240	3170	5380	4220	361	277	463	254	1610
26	189	402	6390	6410	4860	3180	3440	355	264	662	287	2060
27	192	439	6710	5550	6850	2250	2510	344	252	1030	316	1190
28	189	535	6770	5060	7350	2280	1930	333	240	1000	280	626
29	196	814	6690	4200	---	3670	1560	327	233	894	282	907
30	307	1010	6390	3360	---	3960	1290	336	228	898	311	1120
31	430	---	5990	2920	---	4170	---	347	---	1410	336	---
TOTAL	7209	12400	97950	227800	59209	414570	281650	18420	9106	18216	24014	19965
MEAN	233	427	3160	7348	2115	13370	9388	594	304	588	775	666
MAX	430	1010	6770	12500	7350	27600	20100	1120	507	1410	2870	2060
MIN	182	257	1180	1570	999	2250	1290	327	226	228	254	197
CFSM	.08	.15	1.13	2.62	.75	4.76	3.34	.21	.11	.21	.28	.24
IN	.10	.17	1.30	3.02	.78	5.49	3.73	.24	.12	.24	.32	.26
CAL YR 1976	TOTAL	1481781	MEAN	4049	MAX	30700	MIN	182	CFSM	1.44	IN	19.62
WTR YR 1977	TOTAL	1190909	MEAN	3263	MAX	27600	MIN	182	CFSM	1.16	IN	15.77

07290000 BIG BLACK RIVER NEAR BOVINA, MS--Continued
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959, 1962-63, 1972-73, 1975 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1975 to current year.

WATER TEMPERATURE: July 1975 to current year.

REMARKS.--Water temperature is determined by a local observer; also a water sample is collected for daily specific conductance.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 280 micromhos Sept. 13, 1976; minimum daily, 52 micromhos Apr. 3, 6 1976.

WATER TEMPERATURES: Maximum daily, 31.0°C July 23-25, 1975; minimum daily, 3.5°C Jan. 8-12, 1976.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 336 micromhos Oct. 2, 1961; minimum, 44 micromhos Jan. 16, 1973.

WATER TEMPERATURES: Maximum daily, 32.5°C July 3, 1975; minimum, 6.5°C Jan. 16, 1973.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 230 micromhos June 22; minimum daily, 45 micromhos Mar. 13.

WATER TEMPERATURES: Maximum daily, 32°C July 6; minimum daily, 2.0°C Jan. 19-20.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL./100 ML)	FECAL STREPTOCOCCI (CUL. PER 100 ML)	HARDNESS (CA+MG/L)
OCT 06...	1600	247	180	6.6	22.0	40	7.9	>80	300	53
NOV 02...	1230	436	360	7.0	12.0	50	8.0	830	840	62
DEC 06...	1300	1090	100	6.7	7.0	60	7.5	400	970	23
JAN 05...	1000	1670	75	7.3	4.5	60	10.8	140	810	32
FEB 09...	1100	1290	135	7.4	6.0	45	12.1	825	230	46
MAR 07...	1030	16200	50	6.9	12.0	300	8.3	<5	5000	18
APR 06...	1200	12600	72	7.5	17.0	250	6.4	1400	2200	24
MAY 02...	1100	1010	170	7.1	22.0	35	6.7	200	1300	58
JUN 02...	1300	344	198	7.3	30.0	25	6.4	760	8100	67
27...	1130	252	190	7.1	31.0	40	5.1	865	835	54
AUG 01...	1300	2260	83	7.1	28.0	80	6.5	5000	1600	17
SEP 09...	1200	298	200	7.4	28.0	50	5.6	560	270	56

DATE	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED PHOSPHATE (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT 06...	5	13	5.0	12	32	.7	2.5	58	0
NOV 02...	19	15	6.0	52	63	2.9	2.8	53	0
DEC 06...	4	5.2	2.5	10	45	.9	2.3	23	0
JAN 05...	7	7.1	3.4	7.8	33	.6	2.3	30	0
FEB 09...	10	11	4.6	12	35	.8	1.9	44	0
MAR 07...	3	4.0	2.0	5.6	37	.6	2.2	19	0
APR 06...	2	5.7	2.3	6.8	36	.6	2.4	26	0
MAY 02...	8	14	5.7	12	30	.7	2.2	61	0
JUN 02...	7	16	6.5	16	34	.9	1.9	73	0
27...	10	13	5.3	13	33	.8	3.1	54	0
AUG 01...	1	4.3	1.6	7.6	44	.8	2.7	20	0
SEP 09...	3	13	5.7	14	33	.8	3.6	64	0

BIG BLACK RIVER BASIN

07290000 BIG BLACK RIVER NEAR BOVINA, MS--CONTINUED

DATE	ALKA- LITY AS CAC03 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SI02) (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)
OCT									
06...	48	23	8.9	14	.2	13	93	98	.13
NOV									
02...	43	8.5	10	92	.2	13	234	217	.32
DEC									
06...	19	7.3	11	11	.2	11	80	65	.11
JAN									
05...	25	2.4	12	7.3	.2	9.8	76	65	.10
FEB									
09...	36	2.8	13	12	.1	13	98	89	.13
MAR									
07...	16	3.8	5.4	4.2	.1	4.8	38	38	.05
APR									
06...	21	1.3	4.1	6.6	.1	6.1	60	47	.08
MAY									
02...	50	7.8	7.0	12	.1	14	112	97	.15
JUN									
02...	60	5.9	12	20	.1	15	136	123	.19
27...	44	6.7	8.3	12	.1	13	122	95	.17
AUG									
01...	16	2.5	7.4	6.9	.1	9.5	66	50	.09
SEP									
09...	53	4.1	7.4	15	.1	12	113	102	.15

DATE	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL PHYTO- PLANK- TON (CELLS PER ML)	SUS- PENDE SEDI- MENT (MG/L)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY)
OCT									
06...	62.0	.11	.35	.46	2.0	.16	20000	84	56
NOV									
02...	275	.23	.53	.76	3.4	.15	1400	103	121
DEC									
06...	235	.10	.72	.82	3.6	.16	550	115	338
JAN									
05...	343	.11	.72	.83	3.7	.19	310	166	748
FEB									
09...	341	.14	.50	.64	2.8	.13	1200	61	212
MAR									
07...	1660	.22	1.5	1.7	7.6	.62	--	342	15000
APR									
06...	2040	.31	1.5	1.8	8.0	.56	--	316	10800
MAY									
02...	305	.23	.93	1.2	5.1	.16	4600	98	267
JUN									
02...	126	.08	.38	.46	2.0	.11	3200	106	98
27...	83.0	.47	1.1	1.6	7.0	.22	5800	110	75
AUG									
01...	403	.45	1.1	1.6	6.9	.42	710	362	2210
SEP									
09...	90.9	.25	1.2	1.5	6.4	.17	6100	93	75

07290000 BIG BLACK RIVER NEAR BOVINA, MS--CONTINUED

DATE	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE D ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDE D CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)	SUS- PENDE D COBALT (CO) (UG/L)
OCT 06...	3	2	1	0	0	1	50	44	6	2	0
JAN 05...	4	3	1	0	0	0	10	8	2	0	0
APR 06...	12	11	1	0	0	0	10	8	2	3	3
JUN 27...	3	0	3	0	0	0	10	10	0	0	0

DATE	DIS- SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDE D COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDE D LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE D MAN- GANESE (MN) (UG/L)
OCT 06...	3	12	10	2	3500	80	14	12	2	340	140
JAN 05...	1	5	0	5	8500	230	14	4	10	240	130
APR 06...	0	18	10	8	16000	150	25	9	16	420	380
JUN 27...	0	14	2	12	6400	80	16	2	14	300	190

DATE	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE D MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE D SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDE D ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT 06...	200	.5	.5	.0	0	0	0	50	20	30	7.3
JAN 05...	110	.1	.1	.0	1	0	1	30	10	20	7.2
APR 06...	40	.0	.0	.0	0	0	0	60	30	30	11
JUN 27...	110	.0	.0	.0	0	0	0	40	0	40	8.9

BIG BLACK RIVER BASIN

07290000 BIG BLACK RIVER NEAR BOVINA, MS--CONTINUED

PHYTOPLANKTON ANALYSES, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE TIME	OCT 6.76 1600	NOV 2.76 1230	DEC 6.76 1300	JAN 5.77 1000	FEB 9.77 1100
TOTAL CELLS/ML	20000	1400	550	310	1200
DIVERSITY: DIVISION	1.1	1.3	1.2	1.0	0.9
..CLASS	1.1	1.3	1.2	1.0	0.9
...ORDER	1.3	1.5	1.7	1.0	1.6
...FAMILY	2.0	1.7	3.0	2.1	2.5
....GENUS	3.3	1.8	3.2	2.1	3.0

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)										
..CHLOROPHYCEAE										
...CHLOROCOCCALES										
...CHARACIACEAE										
....SCHROEDERIA	100	1	--	-	--	-	--	-	--	-
...COELASTRACEAE										
....COELASTRUM	--	-	--	-	--	-	--	-	--	-
...HYDRODICTYACEAE										
....PENIASTRUM	--	-	--	-	--	-	--	-	--	-
...MICRACTINIACEAE										
....ACANTHOSPHERA	*	0	--	-	--	-	--	-	--	-
....GOLENKINIA	--	-	--	-	40	7	--	-	61	5
....MICRACTINIUM	--	-	--	-	54	10	56#	18	120	10
...OOCYSTACEAE										
....ANKISTRODESMUS	840	4	--	-	54	10	14	5	76	6
....CLOSTERIOPSIS	310	2	--	-	--	-	--	-	--	-
....DICTYOSPHAERIUM	6100#	30	--	-	--	-	--	-	61	5
....KIRCHNERIELLA	1600	8	--	-	--	-	--	-	--	-
...OOCYSTIS	1200	6	230#	17	--	-	--	-	240#	21
....SELENASTRUM	--	-	--	-	--	-	--	-	--	-
....TETRAEDRON	--	-	--	-	--	-	--	-	--	-
....TREUBARIA	100	1	--	-	--	-	--	-	--	-
....WESTELLA	--	-	--	-	--	-	--	-	--	-
...SCENEDESMACEAE										
....ACTINASTRUM	840	4	--	-	--	-	--	-	--	-
....CRUCIGENIA	2500	12	23	2	--	-	--	-	--	-
...SCENEDESMUS	1400	7	70	5	130#	24	84#	27	110	9
....TETRASTRUM	420	2	--	-	--	-	--	-	--	-
...TETRASPORALES										
...PALMELLACEAE										
...GLOEOCYSTIS	*	0	--	-	--	-	--	-	--	-
...VOLVOCALES										
...CHLAMYDOMONADACEAE										
...CHLAMYDOMONAS	100	1	--	-	13	2	--	-	--	-
...PHACOTACEAE										
...COCCOMONAS	--	-	--	-	13	2	--	-	--	-
...PTEROMONAS	--	-	--	-	--	-	--	-	110	9
...VOLVOCAEAE										
...GONIUM	--	-	--	-	--	-	--	-	--	-
...PANDORINA	--	-	--	-	--	-	--	-	--	-
...ZYGNEMATALES										
...DESMIDIACEAE										
...CLOSTERIUM	--	-	--	-	--	-	--	-	--	-
...COSMARIUM	--	-	--	-	--	-	--	-	--	-
...SPONDYLIOSIUM	--	-	--	-	--	-	--	-	--	-

07290000 BIG BLACK RIVER NEAR BOVINA, MS--CONTINUED

PHYTOPLANKTON ANALYSES, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE TIME	OCT 6,76 1600	NOV 2,76 1230	DEC 6,76 1300	JAN 5,77 1000	FEB 9,77 1100	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHRYSTOPHYTA						
..BACILLARIOPHYCEAE						
...CENTRALES						
....COSCINODISCACEAE						
....CYCLOTELLA	* 0	59 4	-- --	-- --	-- --	-- --
....MELOSIRA	630 3	-- --	27 5	-- --	120 10	-- --
..PENNALES						
....ACHNANTHACEAE						
....ACHNANTHES	-- --	-- --	-- --	-- --	-- --	-- --
....GYMRELLACEAE						
....CYMBELLA	-- --	-- --	-- --	-- --	-- --	-- --
....FRAGILARIACEAE						
....SYNEDRA	-- --	-- --	54 10	-- --	-- --	-- --
....GOMPHONEMACEAE						
....GOMPHONEMA	-- --	-- --	13 2	-- --	-- --	-- --
....MERIDIONACEAE						
....MERIDION	-- --	-- --	-- --	-- --	15 1	-- --
....NAVICULACEAE						
....CALONEIS	-- --	-- --	-- --	-- --	-- --	-- --
....GYROSIGMA	-- --	-- --	-- --	-- --	-- --	-- --
....NAVICULA	-- --	23 2	13 2	42 14	-- --	-- --
....PINNULARIA	-- --	-- --	-- --	-- --	-- --	-- --
....NITZSCHIA	2600 13	94 7	110# 20	110# 36	260# 22	-- --
....SURIPELLACEAE						
....SURIPELLA	-- --	-- --	-- --	-- --	-- --	-- --
..CHRYSTOPHYCEAE						
..CHRYSONOMADALES						
..MALLONOMADALES						
....MALLONOMAS	-- --	-- --	-- --	-- --	-- --	-- --
..XANTHOPHYCEAE						
..HETEROCOCCALES						
..CHLOROTHECIACEAE						
..OPHTHOCYTUM	-- --	-- --	-- --	-- --	-- --	-- --
CYANOPHYTA (BLUE-GREEN ALGAE)						
..CYANOPHYCEAE						
..CHROCOCCALES						
..CHROCOCCACEAE						
....AGMENELLUM	-- --	-- --	-- --	-- --	-- --	-- --
....ANACYSTIS	420 2	-- --	-- --	-- --	-- --	-- --
..HORMOGONALES						
..NOSTOCACEAE						
....ANABAENA	-- --	-- --	-- --	-- --	-- --	-- --
..OSCILLATORIACEAE						
....LYNGBYA	-- --	-- --	-- --	-- --	-- --	-- --
....OSCILLATORIA	730 4	880# 63	-- --	-- --	-- --	-- --
..CHROCOCCALES						
..CHROCOCCACEAE						
....GOMPHOSPHERIA	-- --	-- --	-- --	-- --	-- --	-- --
EUGLENOPHYTA (EUGLENOIDS)						
..CRYPTOPHYCEAE						
..CRYPTOMONIDALES						
..CRYPTOMONADACEAE						
....CRYPTOMONAS	-- --	-- --	-- --	-- --	-- --	-- --
..EUGLENOPHYCEAE						
..EUGLENALES						
....EUGLENACEAE						
....EUGLENA	* 0	-- --	13 2	-- --	-- --	-- --
....PHACUS	-- --	-- --	-- --	-- --	-- --	-- --
....TRACHELOMONAS	310 2	12 1	13 2	-- --	-- --	-- --
PYRRHOPHYTA (FIRE ALGAE)						
..DINOPHYCEAE						
..GYMNODINIALES						
..GYMNODINIACEAE						
....GYMNODINIUM	-- --	-- --	-- --	-- --	-- --	-- --
..PERIDINIALES						
..GLENODINIACEAE						
....GLENODINIUM	100 1	-- --	-- --	-- --	-- --	-- --
..PERIDINIACEAE						
....PERIDINIUM	-- --	-- --	-- --	-- --	-- --	-- --

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

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

07290000 BIG BLACK RIVER NEAR BOVINA, MS--CONTINUED

PHYTOPLANKTON ANALYSES, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE TIME	MAY 2,77 1100	JUN 2,77 1300	JUN 27,77 1130	AUG 1,77 1300	SEP 9,77 1200
TOTAL CELLS/ML	4600	3200	5800	710	6100
DIVERSITY: DIVISION	1.5	1.7	1.7	1.4	1.4
..CLASS	1.6	1.7	1.7	1.4	1.4
..ORDER	2.4	2.2	2.3	1.5	1.8
...FAMILY	3.1	2.6	3.1	1.8	2.4
....GENUS	3.7	3.3	3.7	1.9	3.3

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)										
..CHLOROPHYCEAE										
...CHLOROCOCCALES										
...CHARACIACEAE										
...SCHROEDERIA	--	-	--	-	--	-	--	-	--	-
...COELASTRACEAE	--	-	--	-	100	2	--	-	150	2
...COELASTRUM										
...HYDRODICTYACEAE					88	2	--	-	50	1
...PEDIASTRUM	--	-	--	-						
...MICRACINIACEAE										
...ACANTHOSPHAERA	--	-	--	-	--	-	--	-	--	-
...GOLENKINIA	--	-	--	-	--	-	--	-	--	-
...MICRACTINIUM	90	2	--	-	--	-	--	-	--	-
...OOCYSTACEAE										
...ANKISTRODESMUS	750#	16	73	2	50	1	14	2	160	3
...CLOSTERIOPSIS	--	-	--	-	--	-	--	-	--	-
...DICTYOSPHAERIUM	120	3	190	6	350	6	--	-	200	3
...KIRCHNERIELLA	--	-	--	-	88	2	--	-	*	0
...OOCYSTIS	180	4	--	-	50	1	--	-	120	2
...SELENASTRUM	210	5	--	-	--	-	--	-	110	2
...TETRAEDRON	--	-	*	0	*	0	14	2	--	-
...TRIFUBARIA	--	-	--	-	--	-	--	-	*	0
...WESTELLA	--	-	--	-	400	7	--	-	--	-
...SCENEDESMACEAE										
...ACTINASTRUM	--	-	--	-	38	1	450#	64	--	-
...CRUCIGENIA	120	3	690#	22	290	5	--	-	450	7
...SCENEDESMUS	390	8	62	2	660	11	--	-	1000#	17
...TETRASTRUM	120	3	--	-	--	-	--	-	--	-
..TETRASPOALES										
...PALMELLACEAE										
...GLOEOCYSTIS	420	9	--	-	--	-	--	-	--	-
..VOLVOCALES										
...CHLAMYDOMONADACEAE										
...CHLAMYDOMONAS	60	1	--	-	--	-	--	-	--	-
...PHACOTACEAE										
...COCCOMONAS	--	-	31	1	--	-	--	-	--	-
...PTEROMONAS	30	1	--	-	--	-	--	-	--	-
...VOLVOCAEEAE										
...GONIUM	--	-	--	-	50	1	--	-	--	-
...PANDORINA	240	5	--	-	--	-	--	-	--	-
..ZYGNEMATALES										
...DESMIDIACEAE										
...CLOSTERIUM	--	-	--	-	*	0	--	-	--	-
...COSMARIUM	--	-	--	-	*	0	--	-	--	-
...SPONDYLIOSIUM	--	-	21	1	--	-	--	-	--	-

07290000 BIG BLACK RIVER NEAR BOVINA, MS--CONTINUED

PHYTOPLANKTON ANALYSES, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE TIME	MAY 2,77 1100		JUN 2,77 1300		JUN 27,77 1130		AUG 1,77 1300		SEP 9,77 1200	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHRYSTOPHYTA										
..BACILLARIOPHYCEAE										
..CENTRALES										
..COSCINODISCACEAE										
....CYCLOTELLA	60	1	31	1	63	1	14	2	*	0
....MELOSIRA	210	5	110	4	330	6	--	--	--	--
..PENNALES										
....ACHNANTHACEAE										
....ACHNANTHES	--	--	*	0	--	--	--	--	--	--
....CYMBELLACEAE										
....CYMBELLA	*	0	--	--	--	--	--	--	50	1
..FRAGILARIACEAE										
....SYNEDRA	--	--	--	--	--	--	--	--	--	--
..GOMPHONEMACEAE										
....GOMPHONEMA	--	--	--	--	--	--	--	--	--	--
..MERIDIONACEAE										
....MERIDION	--	--	--	--	--	--	--	--	--	--
..NAVICULACEAE										
....CALONEIS	--	--	--	--	--	--	--	--	*	0
....GYROSIGMA	--	--	21	1	50	1	--	--	--	--
....NAVICULA	--	--	41	1	*	0	43	6	200	3
....PINNULARIA	--	--	--	--	*	0	--	--	*	0
..NITZSCHIA										
....NITZSCHIA	240	5	520#	16	400	7	28	4	310	5
..SURIPELLACEAE										
....SURIPELLA	210	5	21	1	*	0	--	--	*	0
..CHRYSTOPHYCEAE										
..CHRYSOMONADALES										
..MALLOMONADACEAE										
....MALLOMONAS	30	1	--	--	--	--	--	--	--	--
..XANTHOPHYCEAE										
..HETEROCOCCALES										
..CHLOROTHECIACEAE										
....OPHIOCYTIUM	--	--	*	0	--	--	--	--	--	--
CYANOPHYTA (BLUE-GREEN ALGAE)										
..CYANOPHYCEAE										
..CHROCOCCALES										
..CHROCOCCACEAE										
....AGMENELLUM	--	--	650#	21	--	--	--	--	560	9
....ANACYSTIS	970#	21	420	13	1100#	19	--	--	360	6
..HORMOGONALES										
..NOSTOCACEAE										
....ANABAENA	--	--	--	--	290	5	99	14	--	--
..OSCIILLATORIACEAE										
....LYNGBYA	--	--	--	--	--	--	--	--	330	5
....OSCIILLATORIA	--	--	93	3	1100#	19	--	--	2000#	32
..CHROCOCCALES										
..CHROCOCCACEAE										
....GOMPHOSPHERIA	--	--	62	2	--	--	--	--	--	--
EUGLENOPHYTA (EUGLENOIDS)										
..CRYPTOPHYCEAE										
..CRYPTOMONADALES										
..CRYPTOMONODACEAE										
....CRYPTOMONAS	30	1	--	--	--	--	--	--	--	--
..EUGLENOPHYCEAE										
..EUGLENALES										
....EUGLENA	60	1	*	0	50	1	28	4	*	0
....PHACUS	--	--	--	--	*	0	--	--	--	--
....TRACHELOMONAS	60	1	41	1	*	0	14	2	--	--
PYRRHOPHYTA (FIRE ALGAE)										
..DINOPHYCEAE										
..GYMNODINIALES										
..GYMNODINIACEAE										
....GYMNODINIUM	--	--	31	1	75	1	--	--	--	--
..PERIDINIALES										
..GLENODINIACEAE										
....GLENODINIUM	--	--	--	--	--	--	--	--	--	--
..PERIDINIACEAE										
....PERIDINIUM	--	--	--	--	--	--	--	--	*	0

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

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

BIG BLACK RIVER BASIN

07290000 BIG BLACK RIVER NEAR BOVINA, MS--CONTINUED

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) • WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
AM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	185	160	220	73	96	92	120	160	200	172	74	143
2	166	160	140	80	101	88	105	170	210	180	95	155
3	165	130	165	78	108	80	105	180	200	183	66	160
4	165	101	125	85	122	---	86	185	200	180	60	160
5	168	95	105	97	140	70	84	190	200	178	70	160
6	170	105	94	110	140	60	80	190	200	180	78	155
7	170	90	160	130	130	58	72	---	200	220	80	155
8	177	88	96	130	150	59	63	175	200	181	90	165
9	170	105	88	102	150	57	58	180	200	172	103	67
10	170	100	93	72	152	52	55	190	200	159	110	60
11	162	103	130	59	152	48	56	195	200	120	119	153
12	152	110	105	53	160	46	56	180	215	131	119	165
13	147	125	145	50	180	45	56	190	210	180	125	143
14	147	140	112	48	170	47	55	185	205	150	125	65
15	130	145	76	58	160	48	57	190	200	208	130	72
16	122	155	79	54	150	50	60	220	220	161	135	63
17	123	155	75	54	143	54	78	205	220	200	145	160
18	113	140	80	52	138	56	90	200	185	168	143	65
19	125	195	71	52	138	60	150	200	---	145	140	77
20	130	140	82	52	143	62	155	200	180	140	64	78
21	139	128	110	54	150	65	150	200	220	129	---	140
22	155	132	100	58	152	68	130	200	230	121	105	95
23	160	130	94	54	163	75	180	200	180	119	115	90
24	160	140	80	63	185	75	135	200	180	85	150	150
25	160	135	77	80	143	95	130	195	160	114	160	60
26	160	128	98	95	110	118	122	200	175	101	165	55
27	161	135	61	96	112	120	130	200	157	112	185	80
28	165	145	62	65	95	126	133	205	167	136	165	70
29	165	140	61	90	---	131	135	205	160	85	200	87
30	160	180	60	92	---	156	160	220	155	90	170	77
31	195	---	64	92	---	120	---	210	---	98	165	---

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
AM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.0	11.5	5.5	5.0	4.0	13.5	18.5	22.5	29.0	31.0	28.0	29.0
2	22.0	11.5	6.0	5.0	4.0	13.0	19.5	23.0	29.5	31.0	27.0	28.0
3	22.5	12.0	6.0	5.0	5.5	14.0	20.0	23.0	28.0	30.5	27.5	28.0
4	23.0	12.0	6.0	5.0	6.5	---	20.0	24.0	28.5	30.5	27.0	28.0
5	23.0	11.5	6.0	5.5	7.0	14.0	18.0	24.0	31.0	30.5	27.0	28.5
6	22.0	10.0	7.5	6.0	6.0	13.0	17.0	25.0	29.0	32.0	28.0	27.5
7	21.0	12.0	7.5	6.0	6.0	12.0	17.5	---	29.0	30.5	28.0	26.5
8	19.5	11.0	7.0	6.0	6.5	12.5	18.0	25.0	28.0	30.5	29.0	27.0
9	18.0	10.0	6.5	7.0	6.5	13.0	18.5	25.0	27.0	30.5	30.0	27.5
10	16.0	11.0	7.5	6.0	7.0	13.5	18.5	23.5	---	28.0	30.5	28.0
11	17.0	12.0	8.5	5.0	7.5	15.0	19.0	23.0	28.0	26.0	30.5	27.5
12	17.0	11.0	9.0	4.5	10.0	14.5	19.5	24.5	29.0	27.5	29.0	27.5
13	18.0	10.5	8.5	4.0	11.0	14.0	19.5	25.0	29.5	28.0	29.0	28.0
14	19.0	10.0	8.0	4.5	10.0	15.5	20.0	25.0	29.0	28.5	30.0	27.0
15	19.0	10.0	9.5	4.5	10.0	17.0	20.5	27.0	28.5	29.5	30.0	26.0
16	20.0	9.5	9.5	4.0	9.5	17.0	21.0	26.0	27.5	29.0	30.5	26.0
17	18.0	9.0	9.0	4.5	9.5	17.5	22.0	26.0	28.5	30.0	31.0	26.0
18	14.0	9.0	8.0	3.5	11.0	19.0	22.0	26.0	29.5	30.0	30.5	26.5
19	16.0	10.0	11.0	2.0	12.0	18.5	22.0	26.0	29.5	29.5	28.0	28.5
20	15.0	11.0	11.0	2.0	11.5	18.0	22.0	25.5	29.5	30.5	26.0	27.5
21	15.0	10.5	8.5	3.0	10.5	17.5	20.5	25.0	30.0	29.0	---	26.0
22	15.0	10.0	7.5	4.0	11.5	16.0	19.5	25.0	30.0	29.5	27.0	26.0
23	15.0	9.0	7.0	3.0	14.0	15.5	21.0	26.0	30.5	29.5	28.0	26.0
24	16.0	9.0	7.0	4.0	13.5	16.0	20.5	26.0	30.0	28.0	29.0	26.0
25	17.0	11.5	8.0	4.0	13.5	15.0	20.0	26.0	30.0	29.5	29.0	26.0
26	14.0	12.0	7.5	4.0	15.0	15.5	19.5	28.5	30.5	28.5	29.5	24.0
27	14.5	13.0	8.0	---	14.0	19.0	19.5	27.0	30.0	28.5	29.5	25.5
28	14.0	11.0	9.0	7.0	14.0	17.5	20.5	27.5	30.5	28.5	29.5	26.0
29	13.5	8.0	8.0	5.0	---	18.0	21.0	27.5	30.5	29.0	29.0	25.5
30	13.0	6.0	8.0	5.0	---	19.0	21.5	28.5	30.5	29.0	29.0	26.5
31	12.0	---	6.0	4.5	---	18.0	---	29.0	---	28.5	29.0	---

07290650 BAYOU PIERRE NEAR WILLOWS, MS

LOCATION.--Lat 32°00'55", long 90°53'00", in lot 16, T.12, N., R.3 E., Washington Meridian, Claiborne County, Hydrologic Unit 08060203, near right bank at downstream side of bridge on county highway, 1.4 mi (2.3 km) upstream from South Fork Bayou Pierre, and 1.7 mi (2.7 km) southeast of Willows.

DRAINAGE AREA.--653 mi² (1,691 km²).

PERIOD OF RECORD.--Annual maximums, water years 1959-61. June 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 82.34 ft (25.096 m) above mean sea level. Sept. 9, 1958, to May 31, 1961, crest-stage gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--16 years, 847 ft³/s (23.99 m³/s), 17.14 in/yr (435 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 51,000 ft³/s (1,440 m³/s) Apr. 13, 1974, gage height, 27.33 ft (8.330 m); maximum gage height, 27.42 ft (8.358 m) Oct. 5, 1964; minimum discharge, 19 ft³/s (0.54 m³/s) Oct. 6, 1969; minimum gage height, 2.17 ft (0.661 m) Nov. 4, 5, 6, 1971.

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

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 9	2300	17400 493	20.47 6.239	Apr. 5	0715	33500 949	26.09 7.952
Mar. 4	2015	*36500 1030	26.39 8.044	Apr. 22	0400	21500 609	22.86 6.968

Minimum discharge, 46 ft³/s (1.30 m³/s) July 2; minimum gage height 2.68 ft (0.817 m) Oct. 20.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	81	141	120	221	550	8170	332	90	49	127	54
2	60	73	117	117	217	373	6320	492	87	48	141	53
3	58	70	104	435	227	3660	8950	415	84	824	230	50
4	57	67	98	620	284	29200	15200	322	82	179	204	50
5	56	63	92	468	474	19900	28600	291	80	90	124	57
6	60	62	98	298	315	6000	6070	259	78	69	100	73
7	61	62	143	284	244	3390	2370	240	76	62	85	289
8	60	62	138	249	210	2090	1130	230	74	66	73	189
9	59	60	124	8070	192	1200	792	220	73	59	67	128
10	60	61	117	7400	183	920	628	220	84	168	63	132
11	57	65	106	1920	181	806	524	210	71	359	63	98
12	56	72	117	720	586	6680	453	441	70	181	66	78
13	56	79	148	426	999	2540	401	268	70	424	62	67
14	55	85	146	7340	557	1470	359	232	71	275	61	206
15	55	117	155	3230	344	783	329	210	85	133	93	161
16	55	119	136	2000	255	604	303	195	98	93	72	130
17	55	111	120	1000	217	504	277	180	78	103	582	100
18	57	95	112	1300	198	456	268	170	88	88	264	80
19	59	87	104	800	187	406	312	160	75	104	362	90
20	55	95	198	550	174	370	628	150	67	429	170	120
21	55	117	277	450	163	337	12300	144	63	1180	219	90
22	56	114	170	380	155	696	18300	138	61	168	143	75
23	56	98	148	350	819	1000	6860	132	59	381	90	65
24	56	90	120	1200	2770	444	2950	125	98	632	70	60
25	59	82	483	700	596	373	1160	120	106	144	88	58
26	60	79	1190	450	586	344	770	115	69	176	117	54
27	59	79	575	381	3080	324	589	110	61	236	62	52
28	57	96	275	322	1240	1830	486	105	56	172	61	65
29	62	167	189	273	---	2100	421	102	54	103	66	130
30	88	158	151	238	---	1180	368	98	50	189	60	100
31	92	---	135	229	---	571	---	94	---	172	84	---
TOTAL	1855	2666	6227	42320	15674	91101	126288	6520	2258	7356	4069	2954
MEAN	59.8	88.9	201	1365	560	2939	4210	210	75.3	237	131	98.5
MAX	92	167	1190	8070	3080	29200	28600	492	106	1180	582	289
MIN	55	60	92	117	155	324	268	94	50	48	60	50
CFSM	.09	.14	.31	2.09	.86	4.50	6.45	.32	.12	.36	.20	.15
IN.	.11	.15	.35	2.41	.89	5.19	7.19	.37	.13	.42	.23	.17

CAL YR 1976	TOTAL	260046	MEAN 711	MAX 33200	MIN 53	CFSM 1.09	IN 14.81
WTR YR 1977	TOTAL	309288	MEAN 847	MAX 29200	MIN 48	CFSM 1.30	IN 17.62

HOMOCHITTO RIVER BASIN

07291000 HOMOCHITTO RIVER AT EDDICETON, MS

LOCATION.--Lat 31°30'10", long 90°46'35", in SE&NE¼ sec.11, T.6 N., R.4 E., Washington Meridian, Franklin County, Hydrologic Unit 08060205, on left bank at upstream side of Illinois Central Gulf Railroad bridge, 900 ft (270 m) downstream from bridge on U.S. Highway 84, 0.4 mi (0.6 km) upstream from McCall Creek, and 0.8 mi (1.3 km) east of Eddiceton.

DRAINAGE AREA.--180 mi² (470 km²), approximately.

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

REVISED RECORDS.--WSP 1281: 1939-40, 1942-44, 1949-50.

GAGE.--Water-stage recorder. Datum of gage is 217.22 ft (66.209 m) above mean sea level. Prior to May 26, 1942, nonrecording gage at site 900 ft (270 m) upstream at present datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--39 years, 254 ft³/s (7.193 m³/s), 19.16 in/yr (487 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 55,400 ft³/s (1,570 m³/s) Apr. 13, 1974, gage height, 19.53 ft (5.95 m); minimum discharge, 26 ft³/s (0.74 m³/s) Sept. 10, 1952 (temporary regulation); minimum unregulated, 28 ft³/s (0.79 m³/s) Sept. 2, 4, 1954, Sept. 29, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 15,500 ft³/s (439 m³/s) Apr. 21, gage height, 11.61 ft (3.539), only peak above base of 9,000 ft³/s (255 m³/s); minimum daily, 46 ft³/s (1.30 m³/s) Oct. 2, 3, 4.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	51	59	60	104	400	4670	135	53	52	57	63
2	46	50	56	61	114	200	900	138	53	52	72	62
3	46	50	54	131	311	250	606	166	53	90	120	60
4	46	50	53	148	406	6000	3110	135	53	65	59	62
5	47	50	53	109	256	2500	2220	120	53	60	54	70
6	47	50	56	89	150	3000	648	113	53	58	53	113
7	50	50	71	81	120	1000	456	103	53	56	53	103
8	50	50	64	77	100	600	358	122	53	55	51	72
9	50	51	57	2180	92	450	291	127	53	54	51	67
10	50	51	55	766	85	375	244	95	53	70	51	70
11	49	59	56	270	78	350	211	85	53	110	53	69
12	48	72	63	191	350	800	193	78	53	100	56	65
13	49	59	73	177	300	500	174	72	52	200	53	70
14	49	79	66	3220	220	350	156	69	53	634	51	113
15	49	74	67	624	170	246	146	67	53	169	51	78
16	52	59	64	367	125	214	139	64	53	95	50	70
17	51	55	60	262	105	190	132	62	53	78	50	65
18	48	53	59	226	90	182	149	61	53	72	74	63
19	47	56	58	196	80	168	343	59	53	72	83	63
20	47	64	65	181	72	158	391	59	52	240	54	63
21	47	60	74	168	67	496	10400	58	52	151	89	62
22	47	55	65	156	64	634	3420	58	52	65	335	60
23	47	53	60	155	250	247	796	56	52	56	103	60
24	48	53	59	381	1200	189	454	55	52	54	89	60
25	51	52	233	256	500	184	345	55	52	54	79	60
26	49	54	300	171	300	179	265	55	52	51	74	60
27	48	54	100	151	1100	172	228	55	52	51	70	59
28	48	69	80	136	900	1210	196	55	52	51	69	67
29	50	93	71	117	---	599	176	55	52	53	78	160
30	66	69	66	107	---	344	163	53	52	95	74	79
31	55	---	62	108	---	267	---	53	---	62	67	---
TOTAL	1524	1745	2379	11322	7709	22454	31980	2538	1578	3125	2323	2188
MEAN	49.2	58.2	76.7	365	275	724	1066	81.9	52.6	101	74.9	72.9
MAX	66	93	300	3220	1200	6000	10400	166	53	634	335	160
MIN	46	50	53	60	64	158	132	53	52	51	50	59
CFSM	.27	.32	.43	2.03	1.53	4.02	5.92	.46	.29	.56	.42	.41
IN.	.31	.36	.49	2.34	1.59	4.64	6.61	.52	.33	.65	.48	.45

CAL YR 1976 TOTAL 67355 MEAN 184 MAX 5530 MIN 43 CFSM 1.02 IN 13.92
WTR YR 1977 TOTAL 90865 MEAN 249 MAX 10400 MIN 46 CFSM 1.38 IN 18.78

07292500 HOMOCHITTO RIVER AT ROSETTA, MS

LOCATION (REVISED).--Lat 31°19'30", long 91°06'24", in sec.12, T.4 N., R.1 E., Washington Meridian, Franklin County, Hydrologic Unit 08060205, near right bank on downstream side of Illinois Central Railroad bridge, 800 ft (240 m) upstream from State Highway 33 at Rosetta, 0.8 mi (1.3 km) downstream from Foster Creek, and 4.0 mi (6.4 km) upstream from Dry Creek.

DRAINAGE AREA.--750 mi² (1,940 km²), approximately.

PERIOD OF RECORD.--June to November 1906 (gage heights and discharge measurements only), October 1951 to current year. February 1949 to September 1951 (gage heights and discharge measurements only) in reports of Corps of Engineers, Vicksburg district.

REVISED RECORDS.--WSP 1731: 1955 (M). WSP 1920: 1955.

GAGE.--Water-stage recorder; nonrecording gage read twice daily at site 800 ft downstream. Datum of gage is 94.39 ft (28.770 m) above mean sea level. June 16 to Nov. 12, 1906, nonrecording gage at present site at different datum; February 1949 to November 1976, at State Highway 33 bridge 800 ft (240 m) downstream at same datum.

REMARKS.--Records poor.

AVERAGE DISCHARGE.--26 years, 1,050 ft³/s (29.74 m³/s), 19.01 in/yr (483 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 150,000 ft³/s (4,250 m³/s) Apr. 13, 1974, from rating curve extended above 47,000 ft³/s (1,330 m³/s); maximum gage height, 36.03 ft (10.982 m) May 4, 1953; minimum discharge, 129 ft³/s (3.65 m³/s) Sept. 22-25, 28-30, 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since February 1949, 37.80 ft (11.521 m) Mar. 31, 1949, from reports of Corps of Engineers, Vicksburg district.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 16,000 ft³/s (453 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Mar. 4	1500	31400 889	18.55 5.654	Apr. 21	1845	*112000 3170	24.09 7.343

Minimum daily discharge, 150 ft³/s (4.25 m³/s) Oct. 22.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	184	251	335	356	585	1400	5490	687	296	282	535	309
2	172	235	305	362	550	1090	4000	818	292	492	1000	296
3	175	227	287	700	1140	948	2120	1460	290	354	832	280
4	172	227	273	1020	2420	7810	5000	1060	288	578	641	280
5	169	223	264	772	1420	4180	3500	694	286	458	350	300
6	169	223	278	548	795	4570	2500	578	285	370	300	1110
7	169	227	572	470	701	2640	1930	501	284	300	280	924
8	169	223	434	416	654	1390	1600	458	283	290	270	533
9	169	215	325	844	641	997	1370	780	282	280	265	445
10	169	219	300	3070	628	810	1220	802	282	900	265	451
11	164	231	296	1330	622	715	1080	650	282	434	264	484
12	161	362	356	836	810	4160	1020	500	282	850	284	415
13	161	330	684	644	1310	2180	930	430	298	890	292	484
14	161	335	498	2900	1030	1290	865	400	394	1130	292	550
15	161	477	498	3800	765	1160	813	380	370	848	284	522
16	161	330	434	1760	701	1050	800	360	434	500	276	456
17	161	282	350	1240	708	964	776	350	394	535	288	415
18	164	260	315	998	758	908	764	340	378	432	420	385
19	158	269	300	870	788	863	1190	335	330	386	456	380
20	155	345	330	765	736	833	1260	330	310	1120	410	385
21	152	350	416	687	674	940	67100	325	280	1340	332	380
22	150	282	335	622	661	2240	19400	320	270	500	473	365
23	152	251	310	648	765	1170	3830	315	310	350	609	360
24	155	239	296	848	1390	870	2380	315	350	320	687	360
25	158	239	1090	1220	1410	833	1800	310	380	330	462	360
26	161	239	2460	810	1020	810	1470	310	360	350	350	360
27	158	243	914	687	3690	758	1230	305	390	310	350	360
28	158	310	628	674	2410	2790	972	302	330	270	345	345
29	167	628	505	597	---	3310	810	301	298	300	341	390
30	325	446	440	533	---	1400	780	300	290	400	385	528
31	325	---	410	555	---	1110	---	298	---	850	345	---
TOTAL	5385	8718	15238	31582	29782	56189	138000	15314	9598	16749	12683	13212
MEAN	174	291	492	1019	1064	1813	4600	494	320	540	409	440
MAX	325	628	2460	3800	3690	7810	67100	1460	434	1340	1000	1110
MIN	150	215	264	356	550	715	764	298	270	270	264	280
CFSM	.23	.39	.66	1.36	1.42	2.42	6.13	.66	.43	.72	.55	.59
IN.	.27	.43	.76	1.57	1.48	2.79	6.84	.76	.48	.83	.63	.66

CAL YR 1976	TOTAL	317414	MEAN	867	MAX	14100	MIN	150	CFSM	1.16	IN	15.74
WTR YR 1977	TOTAL	352450	MEAN	966	MAX	67100	MIN	150	CFSM	1.29	IN	17.48

HOMOCHITTO RIVER BASIN

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--Continued
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 1958-59, 1967-68, 1970-71, 1975 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: February 1975 to current year.

WATER TEMPERATURE: February 1975 to current year.

REMARKS.--Water temperature is determined by a local observer; also a water sample is collected for daily specific conductance.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 159 micromhos Nov. 5, 1975; minimum daily, 20 micromhos June 8, 1975.

WATER TEMPERATURES: Maximum daily, 35.0°C Aug. 1, 4, 9, 1976; minimum daily 10.0°C, Mar. 4, Dec. 18, 19, 25, 1975, Jan. 5, 9, 28, Feb. 1, 1976.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 300 micromhos July 29, 1970; minimum 45 micromhos Oct. 8, 1969, Jan. 9, 1975.

WATER TEMPERATURES: Maximum, 33.0°C, Sept. 9, 1970; minimum, 7.0°C Jan. 11, 1967.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 155 micromhos Jan. 14; minimum, 23 micromhos Apr. 21.

WATER TEMPERATURES: Maximum daily, 34.0 June 21, July 1, 5, 6; minimum daily, 6.0°C Jan. 17.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL./100 ML)	FECAL STREPTOCOCCI (CUL. PER 100 ML)	HARDNESS (CA, MG)
OCT 05...	1300	169	100	6.5	24.0	10	8.7	35	190	12
NOV 03...	1300	227	80	6.9	19.5	5	8.1	875	840	15
DEC 08...	1200	416	135	6.1	8.5	20	10.3	--	400	17
JAN 06...	1300	526	69	7.1	9.0	15	10.3	<5	840	13
FEB 09...	1300	641	72	7.5	9.5	8	9.4	<5	822	14
MAR 09...	1300	964	50	7.1	14.5	40	8.7	150	100	6
APR 07...	1200	1500	47	7.5	19.0	50	8.1	2700	1800	12
MAY 04...	1300	1020	61	6.9	25.5	3	6.1	520	390	14
JUN 03...	1300	E29	80	7.6	31.5	9	5.8	850	<10	17
JUN 29...	1300	E30	105	7.4	33.5	5	6.9	850	847	9
AUG 03...	1300	736	65	6.9	29.5	40	5.8	--	--	12
SEP 08...	1200	522	68	7.3	26.5	55	7.5	700	440	12

DATE	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED PHOSPHATE (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT 05...	0	3.3	.9	9.0	59	1.1	1.4	15	0
NOV 03...	1	3.7	1.3	11	60	1.3	1.2	17	0
DEC 08...	7	4.4	1.5	17	66	1.8	1.3	13	0
JAN 06...	0	3.0	1.3	9.7	59	1.2	1.5	17	0
FEB 09...	5	3.6	1.3	9.9	57	1.1	1.5	12	0
MAR 09...	0	2.1	.3	6.9	65	1.2	1.4	13	0
APR 07...	3	2.9	1.2	7.1	51	.9	1.9	11	0
MAY 04...	2	3.2	1.4	8.0	52	.9	1.7	14	0
JUN 03...	6	3.7	1.9	11	54	1.2	2.3	14	0
JUN 29...	0	1.1	1.4	10	67	1.5	1.7	16	0
AUG 03...	3	3.0	1.0	5.8	47	.7	2.1	10	0
SEP 08...	2	3.0	1.1	7.8	55	1.0	1.6	12	0

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--CONTINUED

DATE	ALKALINITY AS CaCO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)
OCT 05...	12	7.6	2.2	16	.1	14	45	54	.06
NOV 03...	14	3.4	2.4	16	.2	14	53	58	.07
DEC 08...	11	17	2.9	31	.1	12	86	77	.12
JAN 06...	14	2.2	4.2	15	.1	12	70	55	.10
FEB 09...	10	.6	3.8	17	.1	13	59	56	.08
MAR 09...	11	1.7	3.9	9.0	.0	12	52	42	.07
APR 07...	9	.6	3.0	9.0	.0	12	46	43	.06
MAY 04...	11	2.8	3.6	11	.0	12	62	48	.08
JUN 03...	11	.6	2.6	17	.0	15	60	60	.08
29...	13	1.0	2.5	16	.0	16	72	57	.10
AUG 03...	8	2.0	3.9	11	.0	9.6	64	41	.09
SEP 08...	10	1.0	2.6	12	.1	12	56	46	.08
DATE	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL PHYTO- PLANK- TON (CELLS PER ML)	SUS- PENDE SEDI- MENT (MG/L)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY)
OCT 05...	20.5	.03	.49	.52	2.3	.04	1000	80	37
NOV 03...	32.5	.01	.10	.11	.49	.01	540	40	25
DEC 08...	96.6	.04	.23	.27	1.2	.02	1500	34	38
JAN 06...	99.4	.09	.29	.38	1.7	.05	290	158	224
FEB 09...	102	.00	.28	.28	1.2	.02	150	352	609
MAR 09...	135	.08	.36	.44	1.9	.01	--	--	--
APR 07...	186	.07	.89	.96	4.3	.09	--	552	2240
MAY 04...	171	.06	.32	.38	1.7	.06	700	--	--
JUN 03...	--	.00	.22	.22	.97	.02	12000	53	--
29...	--	.00	.48	.48	2.1	.05	4400	--	--
AUG 03...	127	.09	.75	.84	3.7	.09	3200	278	552
SEP 08...	78.9	.08	.25	.33	1.5	.06	2800	157	221

HOMOCHITTO RIVER BASIN

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--CONTINUED

DATE	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE D ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDE D CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)	SUS- PENDE D COBALT (CO) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)
OCT 05...	1	1	0	2	1	1	40	34	6	0	0	2
JAN 06...	2	1	1	0	0	0	<10	<8	2	0	0	2
APR 07...	2	1	1	0	0	0	10	9	1	0	0	0
JUN 29...	2	0	2	0	0	3	<10	<8	2	0	0	0

DATE	TOTAL COPPER (CU) (UG/L)	SUS- PENDE D COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDE D LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE D MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)
OCT 05...	8	8	0	1000	80	21	19	2	100	30	70	.1
JAN 06...	0	0	4	2300	190	5	0	10	70	10	60	.1
APR 07...	11	0	11	3400	170	20	10	10	100	50	50	.0
JUN 29...	3	0	7	1500	320	17	5	12	220	50	170	.0

DATE	SUS- PENDE D MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE D SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDE D ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	BIOMASS CHLORO- PHYLL RATIO PERI- PHYTON (UNITS)	CHLOR-A PERI- PHYTON CHROMO- SPECT- METRIC (MG/M2)	CHLOR-B PERI- PHYTON CHROMO- SPECT- METRIC (MG/M2)
OCT 05...	.1	.0	0	0	0	30	0	30	2.8	--	--	--
JAN 06...	.1	.0	1	0	1	20	0	20	7.8	623	.371	.063
APR 07...	.0	.0	0	0	0	30	10	20	--	--	--	--
JUN 29...	.0	.0	0	0	0	30	0	30	--	--	--	--

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--CONTINUED

PHYTOPLANKTON ANALYSES, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE TIME	OCT 5,76 1300	NOV 3,76 1300	DEC 8,76 1200	JAN 6,77 1300	FEB 9,77 1300
TOTAL CELLS/ML	1000	540	1500	290	150
DIVERSITY: DIVISION	1.0	1.2	0.8	1.4	1.2
..CLASS	1.0	1.2	0.8	1.5	1.2
..ORDER	1.2	1.2	1.2	1.8	1.4
...FAMILY	2.4	2.0	2.2	3.3	2.9
....GENUS	2.8	2.1	2.3	3.6	2.9

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)										
..CHLOROPHYCEAE										
...CHLOROCOCCALES										
....CHARACIACEAE										
....SCHROEDERIA	--	-	--	-	--	-	--	-	--	-
....COELASTRACEAE										
....COELASTRUM	--	-	--	-	--	-	--	-	--	-
....HYDRODICTYACEAE										
....PEDIASTRUM	--	-	--	-	--	-	--	-	--	-
....MICRACTINIACEAE										
....GOLENKINIA	--	-	--	-	--	-	--	-	--	-
....OOCYSTACEAE										
....ANKISTRODESMUS	70	7	--	-	52	3	15	5	27#	19
....CHODATELLA	--	-	--	-	--	-	--	-	--	-
....DICTYOSPHAERIUM	56	6	--	-	--	-	--	-	--	-
....KIRCHNERIELLA	--	-	--	-	--	-	20	7	--	-
....OOCYSTIS	--	-	--	-	--	-	--	-	--	-
....SELENASTRUM	--	-	--	-	--	-	--	-	--	-
....TETRAEDRON	--	-	--	-	--	-	--	-	--	-
....SCENEDESMACEAE										
....ACTINASTRUM	--	-	--	-	--	-	--	-	--	-
....CRUCIGENIA	--	-	--	-	26	2	--	-	--	-
....SCENEDESMUS	420#	42	32	6	--	-	18	6	--	-
..TETRASPORALES										
...COCCOMYXACEAE										
....OUROCOCCUS	--	-	--	-	--	-	3	1	--	-
...PALMELLACEAE										
....GLOEOCYSTIS	14	1	--	-	--	-	--	-	--	-
..VOLVOCALES										
...CHLAMYDOMONADACEAE										
....CHLAMYDOMONAS	--	-	--	-	--	-	3	1	11	7
...VOLVOCAEAE										
....GONIUM	--	-	--	-	--	-	--	-	--	-
..ZYGNEMALES										
...DESMIDIACEAE										
....CLOSTERIUM	14	1	--	-	--	-	--	-	--	-
....COSMARIUM	14	1	--	-	--	-	--	-	--	-
....SPONDYLIOSIUM	--	-	--	-	--	-	8	3	--	-
....STAUSTRUM	--	-	--	-	--	-	5	2	--	-

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--CONTINUED

PHYTOPLANKTON ANALYSES, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE TIME	OCT 5.76 1300	NOV 3.76 1300	DEC 8.76 1200	JAN 6.77 1300	FEB 9.77 1300	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHRYSTOPHYTA						
..BACILLARIOPHYCEAE						
...CENTRALES						
...COSCINODISCACEAE						
....CYCLOTELLA	--	-	--	-	--	-
....MELOSIRA	--	-	--	-	--	-
...PENNALES						
...ACHNANTHACEAE						
....ACHNANTHES	28	3	--	-	3	1
....COCONEIS	--	-	--	-	--	-
....RHOICOSPHEINIA	--	-	8	1	--	-
...CYMBELLACEAE						
....AMPHORA	--	-	--	-	--	-
....CYMBELLA	14	1	--	-	13	4
....EPITHEMIA	--	-	32	6	--	-
....RHOPALODIA	14	1	--	-	--	-
...DIATOMACEAE						
....DIATOMA	--	-	--	-	--	-
...EUNOTIACEAE						
....EUNOTIA	14	1	--	-	3	1
...FRAGILARIACEAE						
....FRAGILARIA	--	-	--	-	--	-
....SYNEDRA	14	1	16	3	8	3
...GOMPHONEMACEAE						
....GOMPHONEMA	--	-	--	-	18	6
...MERIDIONACEAE						
....MERIDION	--	-	--	-	--	-
...NAVICULACEAE						
....FRUSTULIA	--	-	--	-	3	1
....GYROSIGMA	--	-	--	-	--	-
....NAVICULA	150#	15	230#	43	38	13
....PINNULARIA	84	8	--	-	3	1
....STAURONEIS	*	0	8	1	--	-
...NITZSCHACEAE						
....NITZSCHIA	84	8	40	7	75#	26
...SURIARELLACEAE						
....SURIARELLA	*	0	--	-	--	-
...TABELLARIACEAE						
....TABELLARIA	--	-	--	-	15	5
CHRYSTOPHYCEAE						
..CHRYSSOMONADALES						
...MALLONADACEAE						
....MALLONAS	--	-	--	-	3	1
...OCHROMONADACEAE						
....DINOBRYON	--	-	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)						
..CYANOPHYCEAE						
...CHROCCOCCALES						
....CHROCCOCCACEAE						
....AGMENELLUM	--	-	--	-	--	-
....ANACYSTIS	--	-	--	-	--	-
...HORMOGONALES						
...NOSTOCACEAE						
....ANABAENA	--	-	--	-	--	-
....APHANIZOMENON	--	-	--	-	--	-
...OSCILLATORIACEAE						
....LYNGBYA	--	-	--	-	--	-
....OSCILLATORIA	--	-	180#	32	38	13
...RIVULARIACEAE						
....RAPHIDIOPSIS	--	-	--	-	--	-
...CHROCCOCCALES						
....CHROCCOCCACEAE	--	-	--	-	--	-
...GOMPHOSPHAERIA						
EUGLENOPHYTA (EUGLENOIDS)						
..CRYPTOPHYCEAE						
...CRYPTOMONIDALES						
....CRYPTOCHRYSIDACEAE						
....CHROOMONAS	--	-	--	-	--	-
...CRYPTOMONODACEAE						
....CRYPTOMONAS	--	-	--	-	3	1
...EUGLENOPHYCEAE						
....EUGLENALES						
...EUGLENACEAE						
....EUGLENA	--	-	--	-	3	1
...TRACHELOMONAS	--	-	--	-	--	-

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

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

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--CONTINUED

PHYTOPLANKTON ANALYSES, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE TIME	MAY 4.77 1300	JUN 3.77 1300	JUN 29.77 1300	AUG 3.77 1300	SEP 8.77 1200
TOTAL CELLS/ML	700	12000	4400	3200	2800
DIVERSITY: DIVISION	1.7	1.1	1.6	1.0	1.2
..CLASS	1.7	1.1	1.7	1.0	1.2
..ORDER	2.0	1.1	2.3	1.8	1.7
...FAMILY	2.9	1.7	3.2	2.7	2.2
....GENUS	2.9	2.7	3.6	3.0	2.2

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)										
..CHLOROPHYCEAE										
...CHLOROCOCCALES										
....CHARACIACEAE										
....SCHROEDERIA	--	-	--	-	--	-	--	-	*	0
....COELASTRACEAE										
....COELASTRUM	47	7	--	-	--	-	--	-	--	-
....HYDRODICTYACEAE										
....PENIASTRUM	--	-	--	-	89	2	39	1	--	-
....MICRACTINIACEAE										
....GOLENKINIA	7	1	82	1	--	-	--	-	--	-
....OOCYSTACEAE										
....ANKISTRODESMUS	27	4	2900#	23	620	14	68	2	19	1
....CHODATELLA	--	-	*	0	89	2	--	-	--	-
....DICTYOSPHAERIUM	--	-	1200	10	89	2	77	2	--	-
....KIRCHNERIELLA	--	-	370	3	44	1	--	-	--	-
....OOCYSTIS	--	-	*	0	--	-	--	-	--	-
....SELENASTRUM	--	-	*	0	67	2	--	-	--	-
....TETRAEDRON	--	-	82	1	--	-	*	0	--	-
....SCENEDESMACEAE										
....ACTINASTRUM	--	-	330	3	--	-	--	-	--	-
....CRUCIGENIA	--	-	--	-	--	-	39	1	--	-
....SCENEDESMUS	27	4	1800	14	580	13	150	5	37	1
..TETRASPORALES										
...COCCOMYXACEAE										
....OUROCOCCUS	--	-	--	-	--	-	--	-	--	-
...PALMELLACEAE										
....GLOEOCYSTIS	--	-	--	-	--	-	--	-	--	-
..VOLVOCALES										
...CHLAMYDOMONADACEAE										
....CHLAMYDOMONAS	27	4	--	-	89	2	--	-	--	-
...VOLVOCAEEAE										
....GONIUM	--	-	*	0	--	-	--	-	--	-
..ZYGNEATALES										
...DESMIDIACEAE										
....CLOSTERIUM	--	-	--	-	67	2	--	-	--	-
....COSMARIUM	--	-	--	-	--	-	*	0	--	-
....SPONDYLIOSIUM	--	-	--	-	--	-	--	-	--	-
....STAUSTRUM	--	-	--	-	89	2	--	-	--	-

HOMOCHITTO RIVER BASIN

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--CONTINUED

PHYTOPLANKTON ANALYSES, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE TIME	MAY 4,77 1300		JUN 3,77 1300		JUN 29,77 1300		AUG 3,77 1300		SEP 8,77 1200	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHRYSTOPHYTA										
..BACILLARIOPHYCEAE										
..CENTRALES										
..COSCINODISCACEAE										
....CYCLOTELLA	13	2	--	--	--	--	19	1	37	1
....MELOSIRA	--	--	--	--	--	--	19	1	1500#	53
..PENNALES										
....ACHNANTHACEAE										
....ACHNANTHES	--	--	--	--	180	4	--	--	*	0
....COCCONEIS	--	--	--	--	--	--	*	0	--	--
....RHOICOSPHEINIA	--	--	--	--	--	--	--	--	--	--
....CYMBELLACEAE										
....AMPHORA	--	--	--	--	22	1	--	--	--	--
....CYMBELLA	33	5	*	0	--	--	--	--	--	--
....EPITHEMIA	--	--	--	--	--	--	--	--	--	--
....RHOPALODIA	--	--	*	0	--	--	--	--	--	--
....DIATOMACEAE										
....DIATOMA	--	--	--	--	--	--	--	--	--	--
....EUNOTIACEAE										
....EUNOTIA	--	--	--	--	--	--	--	--	--	--
....FRAGILARIACEAE										
....FRAGILARIA	--	--	*	0	--	--	--	--	28	1
....SYNEDRA	--	--	*	0	89	2	--	--	--	--
....GOMPHONEMACEAE										
....GOMPHONEMA	27	4	--	--	--	--	--	--	--	--
....MERIDIONACEAE										
....MERIDION	7	1	--	--	--	--	--	--	--	--
....NAVICULACEAE										
....FRUSTULIA	7	1	--	--	--	--	--	--	--	--
....GYROSIGMA	--	--	--	--	--	--	--	--	--	--
....NAVICULA	20	3	*	0	400	9	97	3	*	0
....PINNULARIA	--	--	--	--	110	3	--	--	--	--
....STAURONEIS	--	--	--	--	--	--	--	--	--	--
....NITZSCHIA										
....NITZSCHIA	210#	30	160	1	22	1	140	4	110	4
....SURIACEAE										
....SURIELLA	--	--	--	--	--	--	--	--	--	--
....TABELLARIACEAE										
....TABELLARIA	--	--	--	--	--	--	--	--	--	--
..CHRYSTOPHYCEAE										
..CHRYSSOMONADALES										
..MALLOMONADACEAE										
....MALLOMONAS	--	--	--	--	--	--	--	--	--	--
..OCHROMONADACEAE										
....DINOBYRON	--	--	--	--	22	1	--	--	--	--
CYANOPHYTA (BLUE-GREEN ALGAE)										
..CYANOPHYCEAE										
..CHROCOCCOCEAE										
..CHROCOCCOCEAE										
....AGMENELLUM	--	--	3400#	28	--	--	150	5	240	9
....ANACYSTIS	--	--	1900#	15	910#	21	--	--	--	--
..HORMOGONALES										
..NOSTOCACEAE										
....ANABAENA	--	--	*	0	130	3	--	--	220	8
....APHANIZOMENON	--	--	--	--	--	--	460	14	--	--
..OSCILLATORIACEAE										
....LYNGBYA	210#	30	--	--	--	--	--	--	--	--
....OSCILLATORIA	--	--	*	0	650	15	720#	22	520#	18
....RIVULARIACEAE										
....RAPHIIDIOPSIS	--	--	--	--	--	--	210	7	28	1
..CHROCOCCOCEAE										
..CHROCOCCOCEAE										
....GOMPHOSPHERIA	--	--	--	--	--	--	1000#	31	--	--
EUGLENOPHYTA (EUGLENOIDS)										
..CRYPTOPHYCEAE										
..CRYPTOMONIDALES										
..CRYPTOCHRYSIDACEAE										
....CHROOMONAS	--	--	--	--	22	1	--	--	--	--
..CRYPTOMONODACEAE										
....CRYPTOMONAS	27	4	--	--	--	--	--	--	--	--
..EUGLENOPHYCEAE										
..EUGLENALES										
..EUGLENA										
....EUGLENA	--	--	*	0	--	--	--	--	--	--
..TRACHELOMONAS	7	1	--	--	44	1	--	--	28	1

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

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

HOMOCHITTO RIVER BASIN

213

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--CONTINUED

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) • WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
AM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	85	62	94	84	90	73	28	65	80	79	62	80
2	85	64	93	84	95	78	41	56	81	73	50	80
3	85	80	89	68	70	80	53	69	83	78	78	85
4	85	80	85	68	60	40	54	64	90	72	75	75
5	65	77	85	77	90	64	52	65	79	76	75	75
6	67	77	81	86	77	69	48	72	81	74	80	77
7	63	75	67	81	82	60	56	71	80	78	78	75
8	60	75	105	85	82	56	61	74	80	76	76	73
9	62	76	108	84	84	60	66	67	94	79	60	73
10	65	75	100	44	84	65	90	70	85	75	74	68
11	66	75	95	53	85	79	91	75	87	68	75	77
12	61	84	88	65	86	61	75	75	81	65	73	85
13	57	70	103	70	85	54	75	93	80	67	80	90
14	60	90	102	155	86	60	76	79	81	52	56	80
15	59	81	94	44	90	75	77	78	76	63	62	83
16	58	81	105	70	90	70	78	84	76	65	74	80
17	59	81	98	59	90	71	79	78	80	82	80	84
18	56	83	98	54	91	72	79	80	95	76	79	86
19	59	83	95	70	91	73	73	78	148	73	75	82
20	60	80	95	65	92	75	59	79	80	70	80	80
21	61	79	107	75	92	75	23	80	82	64	78	77
22	58	85	57	89	91	53	32	80	81	56	85	77
23	60	90	92	80	85	62	105	80	82	70	77	80
24	57	90	90	80	71	70	41	80	83	71	80	80
25	58	87	93	120	72	66	47	80	80	75	80	78
26	60	82	57	120	75	71	54	81	81	71	77	78
27	62	85	67	90	73	89	57	81	90	135	75	78
28	62	74	75	86	65	73	59	79	86	95	60	78
29	64	79	80	90	---	54	62	79	78	83	58	78
30	57	92	85	95	---	60	63	79	80	73	65	65
31	56	---	88	90	---	70	---	80	---	90	85	---

TEMPERATURE (DEG. C) OF WATER • WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
AM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30.0	23.0	16.0	7.0	10.0	20.0	17.0	22.0	32.0	34.0	27.0	---
2	28.0	24.0	12.0	9.0	10.0	16.0	23.0	23.0	31.0	32.0	29.0	31.0
3	28.0	24.0	16.0	13.0	10.0	25.0	24.0	25.0	32.0	33.0	29.0	30.0
4	31.0	---	15.0	25.0	15.0	17.0	19.0	26.0	31.0	33.0	28.0	27.0
5	27.0	20.0	14.0	27.0	16.0	11.0	23.0	26.0	32.0	34.0	31.0	25.0
6	22.0	17.0	15.0	22.0	13.0	18.0	19.0	27.0	32.0	34.0	32.0	27.0
7	25.0	16.0	10.0	25.0	25.0	21.0	23.0	28.0	28.0	32.0	33.0	28.0
8	---	24.0	9.0	23.0	20.0	22.0	24.0	27.0	28.0	30.0	33.0	28.0
9	27.0	25.0	13.0	12.0	15.0	12.0	23.0	25.0	31.0	28.0	33.0	27.0
10	23.0	24.0	21.0	9.0	18.0	22.0	22.0	26.0	33.0	25.0	31.0	27.0
11	25.0	27.0	19.0	9.0	21.0	23.0	23.0	26.0	32.0	27.0	30.0	30.0
12	26.0	14.0	15.0	10.0	16.0	18.0	24.0	28.0	31.0	27.0	29.0	28.0
13	25.0	12.0	13.0	11.0	17.0	21.0	23.0	28.0	28.0	28.0	31.0	27.0
14	30.0	11.0	13.0	15.0	23.0	21.0	25.0	28.0	29.0	33.0	30.0	26.0
15	29.0	21.0	20.0	17.0	15.0	18.0	24.0	29.0	29.0	32.0	33.0	25.0
16	22.0	16.0	24.0	9.0	21.0	20.0	26.0	28.0	30.0	33.0	32.0	28.0
17	27.0	15.0	25.0	6.0	22.0	25.0	23.0	27.0	30.0	32.0	32.0	29.0
18	24.0	17.0	13.0	11.0	24.0	23.0	23.0	26.0	32.0	30.0	28.0	30.0
19	27.0	26.0	15.0	9.0	20.0	23.0	25.0	27.0	30.0	30.0	29.0	28.0
20	26.0	22.0	---	15.0	15.0	23.0	21.0	29.0	33.0	28.0	30.0	29.0
21	---	14.0	16.0	17.0	21.0	20.0	29.0	26.0	34.0	33.0	27.0	29.0
22	24.0	18.0	12.0	14.0	25.0	19.0	26.0	27.0	32.0	30.0	29.0	30.0
23	25.0	19.0	18.0	10.0	25.0	18.0	28.0	29.0	32.0	33.0	27.0	29.0
24	25.0	23.0	---	10.0	24.0	17.0	23.0	29.0	33.0	33.0	28.0	30.0
25	24.0	28.0	15.0	15.0	25.0	23.5	20.0	26.0	32.0	29.0	28.0	30.0
26	22.0	26.0	16.0	17.0	18.0	22.0	24.0	29.0	32.0	31.0	28.0	31.0
27	18.0	22.0	16.0	18.0	18.0	23.0	22.0	30.0	32.0	33.0	29.0	30.0
28	16.0	---	20.0	18.0	22.0	20.0	23.0	31.0	32.0	32.0	28.0	30.0
29	14.0	12.0	21.0	12.0	---	20.0	30.0	32.0	33.0	32.0	29.0	29.0
30	17.0	15.0	20.0	---	---	23.0	27.0	32.0	33.0	33.0	30.0	30.0
31	18.0	---	9.0	15.0	---	18.0	---	32.0	---	32.0	30.0	---

BUFFALO RIVER BASIN

07295000 BUFFALO RIVER NEAR WOODVILLE, MS

LOCATION.--Lat 31°13'35", long 91°17'45", in SW¼ sec.21, T.3 N., R.2 W., Washington Meridian, Wilkinson County, Hydrologic Unit 08060206, near center of span on downstream side of bridge on U.S. Highway 61, 1.5 mi (2.4 km) downstream from Fords Creek, 2.8 mi (4.5 km) west of Wilkinson, and 8.5 mi (13.7 km) north of Woodville.

DRAINAGE AREA.--182 mi² (471 km²).

PERIOD OF RECORD.--March 1942 to current year. Prior to October 1950, published as Buffalo Bayou near Woodville.

REVISED RECORDS.--WSP 1281: 1943, 1946 (M).

GAGE.--Water-stage recorder. Datum of gage is 94.52 ft (28.810 m) above mean sea level. Prior to June 1, 1942, nonrecording gage at same site. Prior to Oct. 1, 1964, at datum 3.00 ft (0.914 m) higher.

REMARKS.--Records poor.

AVERAGE DISCHARGE.--35 years, 268 ft³/s (7.590 m³/s), 20.00 in/yr (508 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 65,000 ft³/s (1,840 m³/s) Mar. 25, 1973, gage height, 22.3 ft (6.80 m) from floodmarks, from rating curve extended above 35,000 ft³/s (990 m³/s); minimum, 16 ft³/s (0.45 m³/s) Aug. 14, 18, 19, 1954, Sept. 28, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 11,000 ft³/s (312 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Jan. 14	0330	11800	334	13.29	4.051	Apr. 21	1230	*31800	901	17.42	5.310
Mar. 4	Unknown	18000	510	15.0	4.57						

^a From reconstructed graph.

Minimum daily discharge, 27 ft³/s (0.76 m³/s) Aug. 11.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	111	91	91	82	187	227	283	115	49	33	37	73
2	109	82	78	97	128	181	207	1700	49	32	63	68
3	107	78	72	677	1190	824	176	542	48	31	41	64
4	104	74	63	354	610	7500	1020	281	48	38	34	65
5	104	72	60	195	248	800	556	198	47	47	38	94
6	118	69	99	151	165	1200	211	170	47	43	34	2090
7	111	67	726	146	131	700	170	155	46	35	33	256
8	104	63	269	138	111	400	155	149	46	69	31	162
9	107	61	107	1330	104	300	147	147	47	51	31	393
10	102	61	91	635	93	260	146	129	46	98	28	303
11	100	63	89	254	91	250	137	110	46	55	27	213
12	97	118	133	198	301	350	134	100	45	105	33	252
13	97	82	506	257	260	500	132	95	49	59	50	402
14	95	157	148	4140	133	250	135	90	67	162	47	278
15	95	128	386	743	100	220	138	85	52	60	43	156
16	95	85	143	406	82	198	137	80	50	215	46	122
17	97	72	97	291	78	173	137	75	47	82	55	104
18	93	67	82	242	74	157	137	72	47	56	167	94
19	93	69	76	204	70	141	146	68	46	77	73	86
20	91	126	121	178	65	126	902	66	43	107	55	81
21	89	91	123	162	58	195	18200	63	41	61	65	77
22	89	69	85	143	56	204	1490	61	40	49	230	76
23	89	63	76	141	699	113	393	60	40	85	162	76
24	89	58	69	192	974	102	252	58	39	49	699	76
25	91	56	1060	154	254	136	228	182	39	40	298	74
26	89	56	884	126	615	102	204	128	38	86	110	74
27	87	58	236	126	1400	89	170	75	37	52	112	74
28	85	113	146	113	344	920	150	60	37	40	100	74
29	95	320	102	95	---	310	130	54	35	39	97	72
30	248	116	91	95	---	223	120	52	34	35	147	72
31	116	---	85	190	---	196	---	50	---	61	89	---
TOTAL	3197	2685	6384	12255	8621	17347	26543	5270	1345	2052	3075	6101
MEAN	103	89.5	206	395	308	560	885	170	44.8	66.2	99.2	203
MAX	248	320	1060	4140	1400	7500	18200	1700	67	215	699	2090
MIN	85	56	60	82	56	89	120	50	34	31	27	64
CFSM	.57	.49	1.13	2.17	1.69	3.08	4.86	.93	.25	.36	.55	1.12
IN.	.65	.55	1.30	2.50	1.76	3.55	5.43	1.08	.27	.42	.63	1.25

CAL YR 1976	TOTAL	90780	MEAN 248	MAX 2890	MIN 37	CFSM 1.36	IN 18.55
WTR YR 1977	TOTAL	94875	MEAN 260	MAX 18200	MIN 27	CFSM 1.43	IN 19.39

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.--27 years, 856 ft³/s (24.50 m³/s), 20.25 in/yr (514 mm/yr).

REMARKS.--Water-discharge records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 76,400 ft³/s (2,160 m³/s) Apr. 22, 1977, gage height, 21.76 ft (6.632 m); minimum, 188 ft³/s (5.32 m³/s) Oct. 18, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 5,000 ft³/s (140 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Jan. 15	0030	6670	189	11.56	3.523	Apr. 22	0400	*76400	2160	21.76	6.632
Mar. 6	0745	29500	835	17.99	5.483	Sept. 6	0945	13700	388	15.58	4.749

Minimum discharge, 272 ft³/s (7.70 m³/s) Oct. 19, 21, 22, 28, June 26; minimum gage height, 3.36 ft (1.024 m) Oct. 19, 21, 28.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	292	325	417	417	575	1120	1030	539	317	276	375	424
2	288	298	370	405	533	812	935	530	314	274	998	370
3	286	290	350	582	756	740	808	723	312	280	1210	342
4	284	288	340	820	1570	4960	764	667	308	282	911	339
5	282	286	335	752	1430	9310	1240	525	306	378	638	456
6	307	284	345	659	950	10300	1070	475	306	402	438	10800
7	320	286	812	617	736	6620	748	451	313	362	379	6640
8	296	284	732	547	617	2840	603	442	299	316	352	2170
9	288	284	512	543	582	1460	529	423	295	306	330	1330
10	286	286	414	1290	512	1060	484	414	295	309	322	2250
11	286	298	417	1430	484	915	452	400	295	326	312	2020
12	284	357	487	940	543	1600	426	393	294	322	319	1200
13	282	365	748	662	885	2000	411	382	300	315	372	800
14	282	381	740	4260	836	1280	399	386	298	320	366	1000
15	280	456	748	6190	712	895	387	371	310	421	318	1320
16	280	381	704	3780	585	756	378	362	314	370	310	1310
17	280	337	554	1550	515	673	370	357	311	360	330	935
18	278	320	466	925	491	620	367	353	302	315	473	673
19	276	322	426	756	459	582	372	348	294	332	808	572
20	278	345	487	659	438	550	732	344	292	332	435	505
21	274	360	533	603	423	523	21900	341	289	348	368	466
22	274	340	459	557	411	523	54900	341	288	339	381	432
23	276	317	414	526	515	519	22800	349	284	370	543	411
24	278	310	396	526	2550	487	8310	338	284	318	694	393
25	280	310	508	536	2380	505	2450	342	282	315	733	381
26	280	315	1360	508	1290	501	1230	348	279	446	491	368
27	278	320	1040	494	1790	473	1070	335	280	564	392	358
28	276	473	744	491	1890	526	827	328	279	362	459	355
29	282	708	582	470	---	975	681	324	278	375	414	352
30	381	547	498	449	---	1090	593	322	277	335	420	342
31	414	---	449	512	---	1390	---	320	---	442	545	---
TOTAL	9028	10473	17387	33456	25458	56605	127266	12573	8895	10812	15436	39314
MEAN	291	349	561	1079	909	1826	4242	406	297	349	498	1310
MAX	414	708	1360	6190	2550	10300	54900	723	317	564	1210	10800
MIN	274	284	335	405	411	473	367	320	277	274	310	339
CFSM	.50	.60	.97	1.86	1.57	3.15	7.31	.70	.51	.60	.86	2.26
IN.	.58	.67	1.12	2.15	1.63	3.63	8.16	.81	.57	.69	.99	2.52
CAL YR 1976	TOTAL	243632	MEAN	666	MAX	7370	MIN	274	CFSM	1.15	IN	15.63
WTR YR 1977	TOTAL	366703	MEAN	1005	MAX	54900	MIN	274	CFSM	1.73	IN	23.52

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are 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 1977

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Measurements	
					Date	Discharge (cfs)
Mobile River basin						
02467200	Sucarnoochee River near Porterville, Miss.	Lat 32°41'55", long 88°29'12", in SE¼ sec.19, T.10 N., R.18 E., Choctaw Meridian, Kemper County, at bridge on U.S. Highway 45, 1.0 mi (1.6 km) northwest of Porterville.	136	1942-44, 1953-54, 1959-60, 1973, 1976-77	10-21-76	54.0
Pascagoula River basin						
02479100	Black Creek near Purvis, Miss.	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 mi (6.4 km) northwest of Purvis.	154	1957-70 ^a , 1975-77	9-27-77	61.2
Tchoutacabouffa River basin						
02480350	Tchoutacabouffa River near Biloxi, Miss.	Lat 30°33'35", long 88°53'05", in SE¼ sec.33, T.5 S., R.9 W., St. Stephens Meridian, Harrison County, 10 mi (16.1 km) north of Biloxi.	57.5	1964-67, 1977	6-14-77	14.9
Bayou Bernard basin						
02481250	Turkey Creek near Gulfport, Miss.	Lat 30°24'44", long 89°06'47", in NE¼SW¼ sec.29, T.7 S., R.11 W., St. Stephens Meridian, Harrison County, 1.3 mi (2.1 km) upstream from bridge at U.S. Highway 49, 2.0 mi (3.2 km) north of Gulfport.	--	1974, 1977	6-14-77	0.75
Yazoo River basin						
07280400	Tillatoba Creek at Charleston, Miss.	Lat 33°59'59", long 90°03'54", in NW¼ sec.35, T.25 N., R.2 E., Choctaw Meridian, Tallahatchie County, at bridge on unnumbered State highway, 0.5 mi (0.8 km) above mouth, 0.12 mi (0.19 km) south of city limits of Charleston.	--	1909, 1953, 1955-56, 1959, 1973, 1975-77	5-25-77	11.2
Mississippi River delta						
07375250	Little Tangipahoe River at Magnolia, Miss.	Lat 31°08'33", long 90°27'24", in NW¼ sec.13, T.2 N., R.7 E., Washington Meridian, Pike County, at State Highway 48, 3 mi (4.8 km) above mouth, at Magnolia.	39.7	1942-43 ^a , 1952-53 ^a , 1953-57 ^a , 1959 ^a , 1968 ^a , 1977	7-27-77	14.9

^a Operated as CSG.

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 1977

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. (discontinued)	Lat 34°26', long 88°25', in SE¼ sec.35, T.7 S., R.8 E., Chickasaw Meridian, Itawamba County at bridge on county highway, 0.5 mi (0.8 km) downstream from confluence of Browns Creek Canal and Mackeys Creek, 3.0 mi (4.8 km) upstream from Donovan Creek Canal, and 6.0 mi (9.7 km) southeast of Marietta.	307	1937-50†, 1968-77	10-17-75 3- 4-77	12.32	^a 8,900 13,600
02432900	Red Boot Creek near Fulton, Miss. (discontinued)	Lat 34°19'10", long 88°19'30", in NE¼SE¼NW¼ sec.11, T.9 S., R.9 E., Chickasaw Meridian, Itawamba County, at culvert on State Highway 25, 4.4 mi (7.1 km) north of junction of State Highway 25 and U.S. Highway 78 near Fulton. Prior to Oct. 1, 1964, at datum 12.24 ft (3.73 m) lower.	.13	1955-77	1977	(b)	(†)
02434000	Town Creek at Tupelo, Miss.	Lat 34°17'40", long 88°42'35", in SW¼SE¼ sec.18, T.9 S., R.6 E., Chickasaw Meridian, Lee County, on U.S. Highway 45, 0.5 mi (0.8 km) north of city limits of Tupelo. Prior to 1971 at datum 0.40 ft (0.122 m) higher.	110	1944-46†, 1952-70†, 1971-77	3-14-75 3- 4-77	^a 24.48 21.62	11,400 6,360
02435300	Cow Pike Pass near Tupelo, Miss. (discontinued)	Lat 34°16'00", long 88°37'10", in SW¼SE¼SE¼ sec.25, T.9 S., R.6 E., Chickasaw Meridian, Lee County, at culvert on U.S. Highway 78, 5.5 mi (8.8 km) east of Tupelo. Prior to Oct. 1, 1964, at datum 2.81 ft (0.856 m) lower.	.14	1955-77	3- 4-77	5.38	105
02435400	Clear Branch near Tupelo, Miss.	Lat 34°15'30", long 88°39'50", in SW¼SE¼NW¼ sec.34, T.9 S., R.6 E., Chickasaw Meridian, Lee County, at culvert on U.S. Highway 78, 1.3 mi (2.1 km) east of Tupelo.	.75	1955-77	3- 4-77	6.10	245
02435800	Coonewah Creek at Shannon, Miss.	Lat 34°08'15", long 88°43'12", in SE¼ sec.12, T.11 S., R.5 E., Chickasaw Meridian, Lee County, on U.S. Highway 45, 1.0 mi (1.6 km) north of Shannon and 4.5 mi (7.2 km) up- stream from mouth.	53.0	1953-77	3- 4-77	17.33	5,470
02435920	Cotton Gin Branch near Tupelo, Miss. (discontinued)	Lat 34°14'10", long 88°50'20", in SE¼SW¼SW¼ sec.1, T.10 S., R.4 E., Chickasaw Meridian, Lee County, at culvert on State Highway 6, 7.5 mi (12.1 km) west of Tupelo. Prior to Oct. 1, 1964, at datum 12.74 ft (3.883 m) lower.	.30	1955-77	1977	(b)	(†)
02435930	Shell Creek near Tupelo, Miss.	Lat 34°14', long 88°49', in NW¼SE¼SW¼ sec.6, T.10 S., R.5 E., Chickasaw Meridian, Lee County, at culvert on State Highway 6, 6.6 mi (10.6 km) west of Tupelo. Prior to Oct. 1, 1964, at datum 11.48 ft (3.499 m) lower.	.20	1955-77	3- 4-77	4.11	64
02436000	Chiwapa Creek at Shannon, Miss.	Lat 34°06'35", long 88°43'25", in SE¼ sec.24, T.11 S., R.5 E., Chickasaw Meridian, Lee County, at bridge on U.S. Highway 45W at Shannon, and 0.7 mi (1.1 km) above Gulf, Mobile and Ohio Railroad bridge.	144	1952-67†, 1968-77	3- 4-77	12.48	19,800
02437300	Mattubby Creek near Aberdeen, Miss.	Lat 33°52', long 88°36', in SE¼SE¼ sec.7, T.14 S., R.7 E., Chickasaw Meridian, Monroe County, at bridge on U.S. Highway 45, 1.5 mi (2.4 km) above Wolf River, and 4 mi (6.4 km) northwest of Aberdeen.	92.0	1937, 1952-77	3- 4-77	94.22	11,000

Annual maximum discharge at crest-stage partial-record stations during water year 1977--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
Mobile River basin--Continued							
02437550	Nichols Creek tributary near Quincy, Miss.	Lat 33°54'20", long 88°21'05", in SE¼ sec.29, T.13 S., R.10 E., Huntsville Meridian, Monroe County, at culvert on U.S. Highway 278, 1.0 mi (1.6 km) southeast of Quincy.	.54	1967-77	3- 4-77	6.59	294
02437600	James Creek at Aberdeen, Miss.	Lat 38°48'45", long 88°34'00", in SW¼SE¼ sec.33, T.14 S., R.7 E., Chickasaw Meridian, Monroe County, at bridge on State Highway 25, 0.4 mi (0.6 km) southwest of Aberdeen.	28.9	1964-68†, 1969-77	3- 4-77	15.0	3,700
02439800	Cowbell Creek near Houlika, Miss. (discontinued)	Lat 34°04'10", long 89°00'20", in NW¼SE¼NE¼ sec.5, T.12 S., R.3 E., Chickasaw Meridian, Chickasaw County, at culvert on State Highway 15, 1.8 mi (2.9 km) north of Houlika. Prior to Oct. 1, 1964, at datum 1.61 ft (0.491 m) lower.	.46	1955-77	1977	(b)	(†)
02439980	Chuquatonchee Creek near Okolona, Miss.	Lat 34°00'05", long 88°53'00", in NE¼ sec.33, T.12 S., R.4 E., Chickasaw Meridian, Chickasaw County, at bridge on State Highway 32, 7.5 mi (12.1 km) west of Okolona.	68.5	1963-68†, 1969-77	3- 4-77	14.40	3,800
02440000	Chuquatonchee Creek near Egypt, Miss.	Lat 33°50'30", long 88°46'30", on line between secs.22 and 27, T.14 S., R.5 E., Chickasaw Meridian, Chickasaw County, at bridge on State Highway 8, 4.5 mi (7.2 km) southwest of Egypt.	170	1952-73†, 1974-77	3- 4-77	14.10	13,500
02440020	Chuquatonchee Creek tributary near Trebloc, Miss.	Lat 33°50'25", long 88°48'20", on line between SW¼ sec.20 and NW¼ sec.29, T.14 S., R.5 E., Chickasaw Meridian, Chickasaw County, at culvert on State Highway 8, 1.5 mi (2.4 km) east of Trebloc.	.72	1967-77	3- 4-77	8.60	394
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 mi (4.5 km) south of McCondy.	185	1963-68†, 1969-77	3- 4-77	16.38	19,100
02440500	Chuquatonchee Creek near West Point, Miss.	Lat 33°36'25", long 88°42'30", on line between secs.7 and 18, T.17 S., R.6 E., Chickasaw Meridian, Clay County, at bridge on State Highway 50, 3.0 mi (4.8 km) west of West Point.	514	1944-73†, 1974-77	3- 5-77	20.80	25,800
02440600	Line Creek near Maben, Miss.	Lat 33°39', long 89°04', in S¼ sec.26, T.16 S., R.2 E., Chickasaw Meridian, Webster County, at bridge on State Highway 15, 1,000 ft (305 m) below Gulf, Mobile and Ohio Railroad, and 7.0 mi (11.3 km) north of Maben.	6.5	1952-77	3- 4-77	23.37	4,230
02440800	Trim Cane Creek near Starkville, Miss.	Lat 33°28', long 88°55', in W¼ sec.35, T.19 N., R.13 E., Choctaw Meridian, Oktibbeha County, at bridge on U.S. Highway 82, 3.0 mi (4.8 km) above Biba Wila Creek, and 6.0 mi (9.7 km) west of Starkville.	39.6	1952-77	3- 4-77	27.46	8,380
02441220	Sand Creek tributary near Mayhew, Miss.	Lat 33°28'40", long 88°43'20", on line between SW¼ sec.27 and NW¼ sec.34, T.19 N., R.15 E., Choctaw Meridian, Oktibbeha County, on U.S. Highway 82, 3.7 mi (6.0 km) west of Mayhew.	.44	1966-77	4- 2-77	8.10	366
02441300	Catalpa Creek at Mayhew, Miss.	Lat 33°28'50", long 88°37'45", in NE¼SW¼ sec.28, T.19 N., R.16 E., Choctaw Meridian, Lowndes County, at bridge on U.S. Highway 82, 0.5 mi (0.8 km) east of Mayhew.	98.2	1963-68†, 1969-77	3- 4-77	19.75	12,200
02443700	Cedar Creek near Brooksville, Miss.	Lat 33°20'00", long 88°32'30", in SW¼ sec.17, T.17 N., R.17 E., Choctaw Meridian, Lowndes County, at 10 x 6 ft (3.0 x 1.8 m) box culvert on U.S. Highway 45, 7.5 mi (12.1 km) north of Brooksville.	.49	1965-77	4- 2-77	6.72	312

Annual maximum discharge at crest-stage partial-record stations during water year 1977--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis- charge (cfs)
Mobile River basin--Continued							
02447220	Bogue Fallah Creek tributary near Ackerman, Miss.	Lat 33°20'10", long 89°07'10", in SW¼ sec.14, T.17 N., R.11 E., Choctaw Meridian, Choctaw County, on State Highway 12, 4.1 mi (6.6 km) northeast of Ackerman.	.34	1966-77	3- 4-77	5.95	196
02447280	Lawson Branch near Betheden, Miss. (discontinued)	Lat 33°15'40", long 88°56'50", in NW¼NW¼NW¼ sec.11, T.16 N., R.13 E., Choctaw Meridian, Winston County, on State Highway 25, 3.4 mi (5.5 km) north of Betheden.	1.11	1966-77	1- 9-77	10.43	964
02447340	Cypress Creek tributary at Bradley, Miss. (discontinued)	Lat 33°22'20", long 88°59'00", in NE¼NE¼NE¼ sec.1, T.17 N., R.12 E., Choctaw Meridian, Oktibbeha County, on State Highway 12, 0.3 mi (0.5 km) southwest of Bradley.	.60	1966-77	3- 4-77	6.18	288
02448620	Flat Scooba Creek tributary near Scooba, Miss.	Lat 32°50'20", long 88°28'10", in SE¼ sec.32 T.12 N., R.18 E., Choctaw Meridian, Kemper County, at culvert on U.S. Highway 45, 0.8 mi (1.3 km) north of Scooba.	.44	1967-77	3- 4-77	5.22	129
02467100	Hamilton Branch near DeKalb, Miss. (discontinued)	Lat 32°47'30", long 88°35'40", in NE¼ sec.19, T.11 N., R.17 E., Choctaw Meridian, Kemper County, at 16 x 6 ft (4.9 x 1.8 m) culvert on State Highway 16, 4.2 mi (6.8 km) north- east of DeKalb.	.97	1965-77	3- 4-77	6.24	390
02469672	Little Okatuppa Creek near Quitman, Miss.	Lat 32°05'00", long 88°27'10", in NW¼SE¼SE¼ sec.21, T.3 N., R.18 E., Choctaw Meridian, Clarke County, on State Highway 18, 17.6 mi (28.3 km) east of Quitman.	4.35	1966-77	3- 4-77	6.70	800
Pascagoula River basin							
02471100	Leaf River near Raleigh, Miss.	Lat 32°00'47", long 89°25'58", in SE¼SE¼NW¼ sec.13, T.2 N., R.8 E., Choctaw Meridian Smith County, at bridge on State Highway 18, 6.0 mi (9.7 km) east of Raleigh.	143	1940-43c 1957-77	3- 5-77	298.93	7,100
02471250	Leaf River at Taylorsville, Miss.	Lat 31°49'40", long 89°24'30", on line between secs.16 and 21, T.10 N., R.14 W., St. Stephens Meridian, Smith County, on State Highway 28, 1.0 mi (1.6 km) east of Taylors- ville.	466	1968-77	3- 5-77	248.16	12,000
02471500	Oakohay Creek at Mize, Miss.	Lat 31°52', long 89°33', in NW¼ sec.6, T.10 N., R.15 W., St. Stephens Meridian, Smith County, on State Highway 28, at Mize.	171	1943-49†, 1968-77	1977	(b)	(†)
02472160	Big Creek tributary near Laurel, Miss.	Lat 31°41'20", long 89°19'35", in NE¼SW¼ sec.5, T.8 N., R.13 W., St. Stephens Meridian, Jones County, on U.S. Highway 84, 11.4 mi (18.3 km) west of Laurel.	.17	1966-77	4-22-77	4.96	116
02472420	Bowie Creek near Sanford, Miss.	Lat 31°28'20", long 89°31'20", in NE¼ sec.20, T.6 N., R.15 W., St. Stephens Meridian, Covington County, at bridge on State Highway 589, 5.0 mi (8.0 km) southwest of junction with U.S. Highway 49.	262	1968-77	4-22-77	207.45	3,620
02472700	Okatoma Creek tributary at Mt. Olive, Miss. (discontinued)	Lat 31°46', long 89°38', in NE¼ sec.7, T.9 N., R.16 W., St. Stephens Meridian, Covington County, at double 6 x 4 ft (1.8 x 1.2 m) box culvert on State Highway 532, 0.3 mi (0.5 km) east of Mt. Olive.	.33	1965-77	3- 4-77	3.72	83
02472810	Okatoma Creek tributary No. 2 near Collins, Miss.	Lat 31°36'30", long 89°32'00", in SW¼ sec.32, T.8 N., R.15 W., St. Stephens Meridian, Covington County, at culvert on U.S. Highway 49, 1.6 mi (2.6 km) south of Collins.	.21	1967-77	3- 4-77	5.17	104

Annual maximum discharge at crest-stage partial-record stations during water year 1977--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
Pascagoula River basin--Continued							
02473047	Gordon Creek at Broad Street at Hattiesburg, Miss.	Lat 31°19'42", long 89°18'14", in NW¼NE¼ sec.9, T.4 N., R.13 W., St. Stephens Meridian, Forrest County, at bridge on Broad Street in Hattiesburg.	8.83	1969-77	4-22-77	157.58	2,060
02473460	Tallahala Creek at Waldrup, Miss.	Lat 31°57'30", long 89°06'50", in SW¼ sec.31, T.2 N., R.12 E., Choctaw Meridian, Jasper County, at bridge on State Highway 528, 0.8 mi (1.3 km) west of Waldrup.	100	1969-77	4-22-77	310.33	7,120
02473480	Tallahattah Creek near Waldrup, Miss.	Lat 31°51'40", long 89°05'10", in NW¼SE¼ sec.3, T.10 N., R.11 W., St. Stephens Meridian, Jasper County, on paved county road, 8.7 mi (14.0 km) south of Waldrup.	30.7	1965-70†, 1971-77	4-22-77	14.95	1,880
02473498	Tallahala Creek tributary at 8th St. at Laurel, Miss.	Lat 31°41'55", long 89°07'44", in SE¼ sec.32 T.9 N., R.11 W., St. Stephens Meridian, Jones County, at wooden box bridge of 8th Street in park, 200 ft (61 m) east of 4th Ave. in Laurel.	1.12	1975-77	3- 3-77	238.32	624
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	1975-77	4-22-77	228.80	326
02473850	Tallahoma Creek tributary at Lake Como, Miss.	Lat 31°57'40", long 89°12'20", on line between SE¼ sec.31, and NE¼ sec.6, T.2 N., R.11 E., Choctaw Meridian, Jasper County at culvert on State Highway 528, 0.5 mi (0.8 km) east of Lake Como.	3.21	1966-77	4-21-77	8.76	1,680
02474650	Buck Creek near Runnelstown, Miss.	Lat 31°21'50", long 89°02'55", in SE¼ sec.25, T.5 N., R.11 W., St. Stephens Meridian, Perry County, at bridge on State Highway 42, 2.5 mi (4.0 km) above mouth, and 3.7 mi (6.0 km) east of Runnelstown.	20.7	1951-77	3- 4-77 1-20-21-63 3-14-64 12-12-64 2-12-66 4-15-67 12- 9-67 4-14-69 - -- 70 3- 2-71 - -- 72 3-30-73 4-13-74 1- 8-75 3-30-76 3- 4-77	85.19 85.63 89.72 88.28 87.29 82.15 85.74 84.25 (b) 85.24 (b) 86.57 87.02 86.05 85.01 85.19	2,260 a2,100 a4,850 a3,720 a3,040 a940 a2,070 a1,470 <1,950 a1,820 <1,950 a2,560 a2,860 a2,800 a2,170 2,260
02475050	Waterfall Branch near McLain, Miss.	Lat 31°07'10", long 88°45'25", in SW¼NE¼SE¼ sec.23, T.2 N., R.8 W., St. Stephens Meridian, Greene County, at culvert on State Highway 57, 4.2 mi (6.8 km) east of McLain. Prior to Oct. 1, 1964, at datum 0.72 ft (0.22 m) lower.	.65	1955-77	1-14-77	5.28	163
02475220	Little Rock Creek tributary near Little Rock, Miss.	Lat 32°31', long 89°01', in NW¼ sec.30, T.8 N., R.13 E., Choctaw Meridian, Newton County, at 6 x 5 ft (1.8 x 1.5 m) box culvert on State Highway 494, 1.2 mi (1.9 km) south-east of Little Rock.	.22	1965-77	3- 3-77	3.28	31
02477050	Souinlovey Creek near Baxter, Miss.	Lat 32°13', long 89°08', in NE¼ sec.3, T.4 N., R.11 E., Choctaw Meridian, Jasper County, at 10 x 8 ft (3.0 x 2.4 m) box culvert on State Highway 15, 2.6 mi (4.2 km) north of Baxter.	1.14	1965-77	9- 6-77	7.64	392
02477090	Powers Creek near Rose Hill, Miss.	Lat 32°07', long 89°02', in NE¼ sec.11, T.3 N., R.12 E., Choctaw Meridian, Jasper County, at double 5 x 5 ft (1.5 x 1.5 m) culvert on State Highway 18, 3.0 mi (4.8 km) southwest of Rose Hill.	.45	1965-77	3- 3-77	6.41	287

Annual maximum discharge at crest-stage partial-record stations during water year 1977--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
Pascagoula River basin--Continued							
02477330	Shubuta Creek near Shubuta, Miss.	Lat 31°53', long 88°44', in NW¼ sec.35, T.1 N., R.15 E., Choctaw Meridian, Clarke County, at county highway, 1.5 mi (2.4 km) northwest of Shubuta, and 5.0 mi (8 km) above mouth.	95	1963-77	3- 4-77	201.18	4,390
02478600	Granny Branch at Piave, Miss.	Lat 31°23'30", long 88°44'50", in SE¼ sec.13, T.5 N., R.8 W., St. Stephens Meridian, Greene County, at culvert on State Highway 63, 0.3 mi (0.5 km) southwest of Piave.	.69	1967-77	3-12-77	5.47	261
02479094	Blown Pine Creek near Hattiesburg, Miss. (discontinued)	Lat 31°18'10", long 89°31'00", on line between SW¼ sec.16 and NW¼ sec.21, T.4 N., R.15 W., St. Stephens Meridian, Lamar County, at culvert on U.S. Highway 98, 11.3 mi (18.2 km) west of intersection of U.S. Highway 49 and 98 in Hattiesburg.	1.60	1967-77	3- 4-77	6.49	597
02479138	Walls Creek tributary near Brooklyn, Miss. (discontinued)	Lat 31°06'15", long 89°13'05", in NW¼NE¼SE¼ sec.29, T.2 N., R.12 W., St. Stephens Meridian, Forrest County, on U.S. Highway 49, 3.4 mi (5.5 km) northwest of Brooklyn.	.37	1966-77	8-17-77	4.73	127
02479165	Mosquito Branch at Benndale, Miss. (discontinued)	Lat 30°51'40", long 88°49'30", in SW¼NE¼ sec.19, T.2 S., R.8 W., St. Stephens Meridian, George County, at State Highway 26, 1.0 mi (1.6 km) west of Benndale. Prior to Oct. 1, 1964, at datum 0.99 ft (0.30 m) higher.	.22	1955-77	3- 4-77	4.86	111
02479187	Red Creek tributary near Wiggins, Miss.	Lat 30°50'55", long 89°13'40", in SW¼NE¼NE¼ sec.30, T.2 S., R.12 W., St. Stephens Meridian, Stone County on State Highway 26, 5.3 mi (8.5 km) west of Wiggins.	.22	1966-77	10-16-76	5.28	116
02479260	Bluff Creek tributary near Whites Crossing, Miss. (discontinued)	Lat 30°51'10", long 88°57'30", in NE¼SW¼SE¼ sec.23, T.2 S., R.10 W., St. Stephens Meridian, Stone County, on State Highway 26, 5.0 mi (8.0 km) east of Whites Crossing.	0.82	1966-77	3- 4-77	6.63	651
02480150	Franklin Creek near Grand Bay, Ala.	Lat 30°28'10", long 88°23'10", in NW¼ sec.4, T.7 S., R.4 W., St. Stephens Meridian, Mobile County, at bridge on county highway, 0.9 mi (1.5 km) east of Miss.-Ala. State line, 2.6 mi (4.2 km) west of Grand Bay, Ala., and 3.1 mi (5.0 km) upstream from mouth.	16.4	1959-77	10-16-76	13.17	436
Tchoutacabouffa River basin							
02480500	Tuxachanie Creek near Biloxi, Miss.	Lat 30°31'35", long 88°54'40", in SE¼NW¼ sec.20, T.6 S., R.9 W., St. Stephens Meridian, Harrison County, at bridge on State Highway 15, 7.0 mi (11.3 km) north of city limits of Biloxi.	92.3	1944-52 1952-71† 1972-77	5-28-76 5- 3-77	(b) 13.33	d3,000 3,360,
Biloxi River basin							
02481130	Biloxi River near Lyman, Miss.	Lat 30°29'18", long 89°02'09", in SE¼SE¼ sec.25, T.6 S., R.11 W., St. Stephens Meridian, Harrison County, on downstream side of left pier of bridge on county highway, 1.2 mi (1.9 km) downstream from Little Biloxi River, 4.6 mi (7.4 km) east of Lyman.	250.74	1965-77	3-12-77	16.80	6,990

Annual maximum discharge at crest-stage partial-record stations during water year 1977--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
Wolf River basin							
02481505	Mill Creek tributary near Lizana, Miss. (discontinued)	Lat 30°35'50", long 89°19'10", in NW¼ sec.20, T.5 S., R.13 W., St. Stephens Meridian, Harrison County, at culvert on State Highway 53, 6.4 mi (10.3 km) northwest of Lizana.	2.29	1967-77	3-12-77	6.64	760
Pearl River basin							
02481900	Coonshuck Creek tributary near House, Miss. (discontinued)	Lat 32°39', long 89°01', in NW¼ sec.12, T.9 N., R.12 E., Choctaw Meridian, Neshoba County, at a double 5 x 4 ft (1.5 x 1.2 m) box culvert on State Highway 19, 2.3 mi (3.7 km) northwest of House, and 9.3 mi (15.0 km) southeast of Philadelphia.	0.20	1965-77	3-12-77	3.61	66
02482100	Indian Branch near Edinburg, Miss.	Lat 32°46'50", long 89°25'30", in NW¼NE¼ sec.25, T.11 N., R.8 E., Choctaw Meridian, Leake County, on State Highway 16, 5.4 mi (8.7 km) west of Edinburg.	1.92	1966-77	3-11-77	4.47	522
02482310	Lobutch Creek tributary at Wamba, Miss.	Lat 33°02', long 89°27', in NW¼ sec.35, T.14 N., R.8 E., Choctaw Meridian, Attala County, at 10 x 10 ft (3.0 x 3.0 m) box culvert on State Highway 19, 0.3 mi (0.5 km) west of Wamba.	.94	1965-77	3-12-77	6.52	420
02482900	Tallabogue Creek tributary near Harpersville, Miss. (discontinued)	Lat 32°32'00", long 89°28'40", in SW¼SE¼ sec.16, T.8 N., R.8 E., Choctaw Meridian, Scott County, on State Highway 35, 2.8 mi (4.5 km) north of Harpersville.	.12	1966-77	3- 3-77	3.96	41
02483890	Yockanookany River tributary near McCool, Miss.	Lat 33°10', long 89°25', in SW¼ sec.7, T.15 N., R.9 E., Choctaw Meridian, Attala County, at double 6 x 4 ft (1.8 x 1.2 m) box culvert on State Highway 12, 4.0 mi (6.4 km) southwest of McCool.	.34	1965-77	3-12-77	3.97	131
02484600	Coffee Bogue at Ludlow, Miss.	Lat 32°34'25", long 89°43'48", in N¼ of line between sec. 1 and 6, T.8 N., R.5 E., Choctaw Meridian, Scott County, at bridge on county road, 1.0 mi (1.6 km) west of Ludlow.	77.0	1975-77	3- 3-77	12.31	2,200
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 4.5 ft (1.4 m) circular pipe on State Highway 43, 4.1 mi (6.6 km) east of Pisgah.	.10	1965-77	3- 3-77	5.05	66
02484760	Fannegusha Creek near Sand Hill, Miss.	Lat 32°30'20", long 89°48'45", in SW¼ sec.29, T.8 N., R.5 E., Choctaw Meridian, Rankin County, at bridge on county road, 3.9 mi (6.3 km) east of Sand Hill.	--	1975-77	3- 3-77	11.51	3,200
02485380	Hollybush Creek tributary No. 1 near Pisgah, Miss.	Lat 32°26'00", long 89°48'50", in NW¼ sec.20 T.7 N., R.5 E., Choctaw Meridian, Rankin County, at 8 x 6 ft (2.4 x 1.8 m) box culvert on State Highway 43, 7.2 mi (11.6 km) southeast of Pisgah.	.59	1965-77	3- 3-77	5.41	167
02485385	Hollybush Creek tributary No. 2 near Pisgah, Miss. (discontinued)	Lat 32°25'40", long 89°48'55", in SW¼ sec.20, T.7 N., R.5 E., Choctaw Meridian, Rankin County, at 8 x 4 ft (2.4 x 1.2 m) box culvert on State Highway 43, 7.6 mi (12.2 km) southeast of Pisgah.	.25	1965-77	3- 3-77	4.20	100
02485392	Clear Creek tributary near Pelahatchie, Miss.	Lat 32°21'35", long 89°47'55", on line between SW¼ sec.16 and SE¼ sec.17, T.6 N., R.5 E., Choctaw Meridian, Rankin County, at 5.0 ft (1.5 m) circular culvert on State Highway 43, 3.3 mi (5.3 km) north of intersection of Highways 80 and 43 in Pelahatchie.	.12	1965-77	10- 5-76	6.97	152

Annual maximum discharge at crest-stage partial-record stations during water year 1977--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							
02485650	Purple Creek at Jackson, Miss.	Lat 32°22'45", long 90°07'17", in NW¼ sec.8, T.6 N., R.2 E., Choctaw Meridian, Hinds County, at Colonial Country Club, 600 ft (183 m) above Old Canton Road bridge, and 1.5 mi (2.4 km) above mouth.	5.85	1952-77	4- 4-77	e99.96	1,850
02485700	Hanging Moss Creek at Jackson, Miss.	Lat 32°22'00", long 90°09'00", in NE¼ sec.13, T.6 N., R.1 E., Choctaw Meridian, Hinds County, at bridge on east service road of Interstate 55 (formerly U.S. Highway 51), 1.0 mi (1.6 km) above Whiteoak Creek, and 2.0 mi (3.2 km) above mouth. Prior to Oct. 1, 1961, at datum 73.56 ft (22.421 m) lower.	16	1953-77	4- 4-77	20.98	3,900
02485800	Eubanks Creek at Jackson, Miss.	Lat 32°20'15", long 90°09'40", in NE¼NW¼NE¼ sec.26, T.6 N., R.1 E., Choctaw Meridian, Hinds County, near right bank at downstream side of Wood Dale Drive bridge in Jackson, 1,600 ft (488 m) upstream from Interstate 55 (formerly U.S. Highway 51), and 1.3 mi (2.1 km) upstream from mouth. Prior to Oct. 1, 1959, at 1,600 ft (488 m) downstream at datum 0.74 ft (0.225 m) lower.	4.0	1954-77	10-16-75 4- 4-77	12.88 ^a 13.65	2,060 2,380
02485900	Neely Creek near Brandon, Miss.	Lat 32°17'58", long 90°03'44", in SW¼ sec.2, T.5 N., R.2 E., Choctaw Meridian, Rankin County, at double 8 x 6 ft (2.4 x 1.8 m) box culvert on New Airport Road, 5.4 mi (8.7 km) west of Brandon.	1.09	1965-77	3- 3-77	5.25	235
02485960	Town Creek at Jackson, Miss.	Lat 32°17'35", long 90°11'06", in NW¼SW¼ sec.3, T.5 N., R.1 E., Choctaw Meridian, Hinds County, at bridge on Gallatin St. in Jackson, 300 ft (91 m) above Illinois Central Railroad.	11.7	1953-77	4- 4-77	15.00	3,800
02486100	Lynch Creek at Jackson, Miss.	Lat 32°17'15", long 90°13'00", in SE¼ sec.8, T.5 N., R.1 E., Choctaw Meridian, Hinds County, at bridge on Valley St. in Jackson, 2,000 ft (610 m) below U.S. Highway 80, and 2.0 mi (3.2 km) above mouth. Prior to Oct. 1, 1958, at site 2,000 ft (610 m) upstream.	11.1	1955-77	4- 4-77	17.65	5,400
02486115	Three Mile Creek at Jackson, Miss.	Lat 32°16'15", long 90°13'00", in NW¼SE¼ sec.17, T.5 N., R.1 E., Choctaw Meridian, Hinds County, 300 ft (91 m) downstream from old U.S. Highway 51 (Terry Road), 0.6 mi (1.0 km) above Illinois Central Railroad.	1.12	1962-77	4- 4-77	280.73	1,400
02486240	Richland Creek tributary near Branion, Miss. (discontinued)	Lat 32°13'30", long 90°01'10", on line between sec.32, T.5 N., R.3 E. and sec.6, T.4 N., R.3 E., Choctaw Meridian, Rankin County, on State Highway 469, 4.6 mi (7.4 km) southwest of Brandon.	.12	1966-77	4- 4-77	4.70	48
02487300	Strong River near Puckett, Miss.	Lat 32°04', long 89°45', in SE¼SE¼ sec.26, T.3 N., R.4 E., Choctaw Meridian, Rankin County, at State Highway 18, 2.0 mi (3.2 km) southeast of Puckett.	260	1958-77	3- 5-77	24.23	7,200
02487500	Strong River at D'Lo, Miss.	Lat 31°58'45", long 89°54'05", in SW¼ sec.28, T.2 N., R.4 E., Choctaw Meridian, Simpson County, on left bank at downstream side of old U.S. Highway 49, 0.2 mi (0.3 km) south of D'Lo.	429	1928-71† 1972-77	3- 6-77	27.25	10,600
02487670	Boggans ditch near Mendenhall, Miss. (discontinued)	Lat 31°53'10", long 89°53'20", in NE¼NE¼NE¼ sec.33, T.1 N., R.4 E., Choctaw Meridian, Simpson County, at culvert on State Highway 13, 5.5 mi (8.8 km) south of Mendenhall. Prior to Oct. 1, 1964, at datum 1.27 ft (0.387 m) higher.	.91	1955-77	3- 3-77	5.30	300

Annual maximum discharge at crest-stage partial-record stations during water year 1977--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							
02487690	Baking Powder Draw near Prentiss, Miss. (discontinued)	Lat 31°50'20", long 89°53'00", in SE¼NE¼NW¼ sec.14, T.10 N., R.19 W., St. Stephens Meridian, Simpson County, at culvert on State Highway 13, 4.9 mi (7.8 km) north of Jefferson Davis-Simpson County line, and 16.0 mi (25.7 km) north of Prentiss. Prior to Oct. 1, 1964, at datum 1.37 ft (0.418 m) higher.	.82	1955-77	3- 3-77	4.04	118
02487710	Barretts Branch near Pinola, Miss. (discontinued)	Lat 31°52'50", long 90°02'40", in NE¼NE¼SE¼ sec.36, T.1 N., R.2 E., Choctaw Meridian, Simpson County, at culvert on State Highway 28, 5.0 mi (8.0 km) west of Pinola. Prior to Oct. 1, 1964, at datum 0.79 ft (0.241 m) lower.	.88	1955, 1957-77	8-18-77	4.65	174
02487770	Bradleys ditch near Pinola, Miss. (discontinued)	Lat 31°52'50", long 90°05'30", in NW¼NW¼SW¼ sec.34, T.1 N., R.2 E., Choctaw Meridian, Simpson County, at culvert on State Highway 28, 8.5 mi (13.7 km) west of Pinola. Prior to Oct. 1, 1964, at datum 1.09 ft (0.332 m) higher.	.54	1955-77	3- 3-77	5.38	190
02487900	Copiah Creek near Hazlehurst, Miss.	Lat 31°53'23", long 90°17'10", in SW¼SE¼ sec.27, T.1 N., R.1 W., Choctaw Meridian, Copiah County, at bridge on State Highway 28, 6.2 mi (10.0 km) east of Hazlehurst.	48.6	1948-65 1966-68†, 1969-77	3- 4-77	17.38	5,520,
02488340	Small Pine ditch near Monticello, Miss. (discontinued)	Lat 31°32'50", long 90°15'40", in SW¼SW¼NW¼ sec.25, T.7 N., R.9 E., Washington Meridian, Lawrence County, at culvert on U.S. Highway 84, 9.0 mi (14.5 km) west of Monticello. Prior to Oct. 1, 1964, at datum 0.84 ft (0.256 m) higher.	.16	1955-77	3- 3-77	5.42	114
02488510	Roadside Park ditch near Monticello, Miss. (discontinued)	Lat 31°34'30", long 90°03'20", in SW¼SE¼NW¼ sec.18, T.7 N., R.12 E., St. Stephens Meridian, Lawrence County, at culvert on U.S. Highway 84, 3.0 mi (4.8 km) east of Monticello. Prior to Oct. 1, 1964, at datum 0.86 ft (0.262 m) higher.	.25	1955-77	3- 3-77	4.33	95
02488540	Newhebron Gulley at Newhebron, Miss. (discontinued)	Lat 31°44', long 90°00', in NW¼SW¼SE¼ sec.22, T.9 N., R.20 W., St. Stephens Meridian, Lawrence County, at 16 x 10 ft (4.9 x 3.0 m) box culvert on paved county highway, 0.9 mi (1.4 km) west of Newhebron.	2.50	1965-77	3- 3-77	6.34	631
02488550	Goines Draw near Prentiss, Miss.	Lat 31°47'00", long 89°52'40", in NE¼NW¼NE¼ sec.2, T.9 N., R.19 W., St. Stephens Meridian, Simpson County, at culvert on State Highway 13, 12.2 mi (19.6 km) north of Prentiss.	.34	1955-77	1977	(b)	†
02488680	Plum ditch near Prentiss, Miss. (discontinued)	Lat 31°35'20", long 89°56'40", on line between NE¼ and SE¼ sec.7, T.7 N., R.19 W., St. Stephens Meridian, Jefferson Davis County, at culvert on U.S. Highway 84, 4.2 mi (6.8 km) west of Prentiss.	.23	1955-77	1977	(b)	†
02489030	Elmers Draw near Columbia, Miss.	Lat 31°12'00", long 89°58'00", in SE¼SE¼NW¼ sec.26, T.3 N., R.12 E., Washington Meridian, Marion County, at U.S. Highway 98, 5.7 mi (9.2 km) west of Columbia. Prior to Oct. 1, 1964, at datum 1.12 ft (0.341 m) higher.	.91	1955-77	4-21-77	6.45	287
02489160	Kokomo Draw at Kokomo, Miss. (discontinued)	Lat 31°11'30", long 90°00'00", in SW¼SE¼SW¼ sec.28, T.3 N., R.12 E., Washington Meridian, Marion County, at culvert on U.S. Highway 98, at Kokomo. Prior to Oct. 1, 1964, at datum 1.20 ft (0.366 m) higher.	1.26	1955-77	3- 3-77	5.02	300

Annual maximum discharge at crest-stage partial-record stations during water year 1977--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							
02490550	Middle Fork Hickory Flat near Tylertown, Miss.	Lat 31°10', long 90°13', on line between secs. 5 and 8, T.2 N., R.10 E., Washington Meridian, Walthall County, at culvert on U.S. Highway 98, 0.2 mi (0.3 km) above Fernwood, Columbia, and Gulf Railroad, and 5.5 mi (8.8 km) northwest of Tylertown. Prior to Oct. 1, 1964, at datum 10.95 ft (3.338 m) lower.	1.37	1953-77	4-21-77	6.32	620
02492360	West Hobolochitto Creek near McNeill, Miss.	Lat 30°39'42", long 89°41'10", in NW¼ sec. 34, T.4 S., R.17 W., St. Stephens Meridian, Pearl River County, at bridge on county road, 3.1 mi (5.0 km) west of McNeill.	175	1966-68, 1969-77	4-22-77	20.21	6,000
Hatchie River basin							
07029252	Pool Branch near Ripley, Miss. (discontinued)	Lat 34°42'50", long 88°47'20", in NW¼ sec. 28, T.4 S., R.5 E., Chickasaw Meridian, Tippah County, on State Highway 4, 10.1 mi (16.3 km) east of Ripley.	1.24	1966-77	10-16-76 3- 3-77	3.31 5.14	172 (†)
Wolf River basin							
07030365	Wesley Branch near Walnut, Miss. (discontinued)	Lat 34°57'00", long 89°05'20", in SE¼ sec. 33, T.1 S., R.2 E., Chickasaw Meridian, Benton County, on U.S. Highway 72, 10.5 mi (16.9 km) west of Walnut.	2.17	1966-77	3- 3-77	3.86	161
Yazoo River basin							
07267000	Hell Creek near New Albany, Miss.	Lat 34°30'55", long 89°03'10", in SW¼ sec. 36, T.6 S., R.2 E., Chickasaw Meridian, Union County at bridge on U.S. Highway 78, 3.0 mi (4.8 km) northwest of New Albany, and 4.5 mi (7.2 km) above mouth.	27.3	1939-42, 1952-77	1977	(b)	(†),
07267200	Cracker ditch near Pontotoc, Miss. (discontinued)	Lat 34°17'30", long 89°11'40", in SE¼NW¼ sec. 22, T.9 S., R.1 E., Chickasaw Meridian, Pontotoc County, at culvert on State Highway 6, 11.0 mi (17.7 km) west of Pontotoc. Prior to Oct. 1, 1964, at datum 11.43 ft (3.484 m) lower.	.23	1955-77	1977	(b)	(†)
07268500	Cypress Creek near Etta, Miss.	Lat 34°26', long 89°17', in SE¼ sec. 27, T.7 S., R.1 W., Chickasaw Meridian, Lafayette County, at bridge on State Highway 30, 4.5 mi (7.2 km) southwest of Etta, and 5.0 mi (8.0 km) above mouth. Prior to Oct. 1, 1964, at datum 10.00 ft (3.048 m) higher.	28.5	1939-42, 1952-77	1977	(b)	(†)
07269000	North Tippah Creek near Ripley, Miss.	Lat 34°44', long 89°02', in SW¼ sec. 18, T.4 S., R.3 E., Chickasaw Meridian, Tippah County, at bridge on State Highway 4, 2.0 mi (3.2 km) upstream from Tippah Creek, and 5.5 mi (8.8 km) west of Ripley.	20.0	1939-42, 1952-77	3- 5-77	19.31	4,600
07274250	Otocalofa Creek at Water Valley, Miss. (Prior to Oct. 1, 1972, published as Otuckalofa Creek.)	Lat 34°08'25", long 89°38'17", in SW¼NE¼ sec. 8, T.11 S., R.4 W., Chickasaw Meridian, Yalobusha County, at bridge on State Highway 7, 0.9 mi (1.4 km) south of Water Valley, and 5.2 mi (8.4 km) above mouth.	84.1	1952-77	1977	(b)	(†)
07275500	Long Creek at Courtland, Miss.	Lat 34°13'40", long 89°56'20", near center of sec. 9, T.10 S., R.7 W., Chickasaw Meridian, Panola County, at bridge on U.S. Highway 51, 1.0 mi (1.6 km) south of Courtland, 5.5 mi (8.8 km) above mouth, and 6.0 mi (9.7 km) south of Batesville.	66.2	1940-43, 1952-77	1977	(b)	(†)

Annual maximum discharge at crest-stage partial-record stations during water year 1977--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							
07277550	James Wolf Creek tributary near Looxahoma, Miss. (discontinued)	Lat 34°36'45", long 89°50'30", on line between SW¼ sec.28 and NW¼ sec.33, T.5 S., R.6 W., Chickasaw Meridian, Tate County, at double 8 x 5 ft (2.4 x 1.5 m) box culvert on State Highway 4, 1.2 mi (1.9 km) north of Looxahoma, and 7.8 mi (12.6 km) east of Senatobia.	.29	1965-77	3- 3-77	4.21	136
07282300	Sabougla Creek tributary at Sabougla, Miss. (discontinued)	Lat 33°46'10", long 89°27'30", in SE¼ sec.16, T.22 N., R.8 E., Choctaw Meridian, Calhoun County, at culvert on State Highway 8, 0.5 mi (0.8 km) south of Sabougla.	.50	1967-77	1 -9-77	5.26	171
07283490	Caney Creek near Coffeerville, Miss.	Lat 33°55'40", long 89°38'20", in SE¼NE¼SW¼ sec.23, T.24 N., R.6 E., Choctaw Meridian, Yalobusha County, at culvert on State Highway 330, 4.2 mi (6.7 km) east of Coffeerville. Prior to Oct. 1, 1964, at datum 8.88 ft (2.707 m) lower.	1.97	1955-77	1977	(b)	(†)
07285100	Tie Plant Branch near Grenada, Miss. (discontinued)	Lat 33°43'40", long 89°47'20", in SE¼NE¼SE¼ sec.32, T.22 N., R.5 E., Choctaw Meridian, Grenada County, on U.S. Highway 51, 3.3 mi (5.3 km) south of Grenada.	.13	1966-77	9-20-77	4.72	104
07285700	Long Creek near Cascilla, Miss.	Lat 33°51'40", long 89°59'05", in NE¼ sec.16, T.23 N., R.3 E., Choctaw Meridian, Tallahatchie County, at 16 x 12 ft (4.9 x 3.7 m) box culvert on county highway, 1.1 mi (1.8 km) east of Cascilla.	1.64	1965-77	4- 4-77	7.44	719
07286010	Brushy Creek tributary near Oxberry, Miss. (discontinued)	Lat 33°50'45", long 90°03'10", in NE¼ sec.23, T.23 N., R.2 E., Choctaw Meridian, Tallahatchie County, at 24 x 12 ft (7.3 x 3.7 m) culvert on State Highway 35, 4.5 mi (7.2 km) north of Oxberry.	1.49	1965-77	4- 4-77	5.74	653
07286047	Tippo Bayou tributary at Phillip, Miss. (discontinued)	Lat 33°45'30", long 90°11'30", in NE¼ sec.21, T.22 N., R.1 E., Choctaw Meridian, Tallahatchie County, at culvert on State Highway 8, 0.8 mi (1.3 km) east of Illinois Central Railroad in Phillip.	.04	1967-77	7-29-77	3.68	14
07286520	Big Sand Creek tributary near North Carrollton, Miss.	Lat 33°31'30", long 89°52'50", on line between SE¼ and NE¼ sec.9, T.19 N., R.4 E., Choctaw Meridian, Carroll County, at 3.0 ft (0.91 m) corrugated pipe on county highway 2.4 mi (3.9 km) east of North Carrollton.	.09	1965-77	3- 3-77	4.76	31
07287050	Palusha Creek tributary near Carrollton, Miss. (discontinued)	Lat 33°28', long 89°57', in SE¼ sec.35, T.19 N., R.3 E., Choctaw Meridian, Carroll County, at 8 x 6 ft (2.4 x 1.8 m) box culvert on State Highway 17, 3.4 mi (5.5 km) south of Carrollton.	.43	1965-77	3- 3-77	4.45	107
07287165	Mosquito Lake tributary No. 1 at Itta Bena, Miss.	Lat 33°28'55", long 90°19'30", in SE¼NW¼ sec.29, T.19 N., R.1 W., Choctaw Meridian, Leflore County, on State Highway 7, 0.5 mi (0.8 km) south of compress at Itta Bena.	.11	1966-77	3- 3-77	4.49	52
07287170	Mosquito Lake tributary No. 2, at Itta Bena, Miss.	Lat 33°28'45", long 90°19'20", in NE¼NW¼ sec.29, T.19 N., R.1 W., Choctaw Meridian, Leflore County, on State Highway 7, 0.8 mi (1.3 km) south of compress at Itta Bena.	.13	1966-77	10-29-76	4.09	71
07287350	Fannegusha Creek near Tchula, Miss.	Lat 33°10'00", long 90°10'12", on line between secs.11 and 14, T.15 N., R.1 E., Choctaw Meridian, Holmes County, on State Highway 12, 3.0 mi (4.8 km) east of Tchula.	100	1953-65, 1968-77	3- 4-77	155.77	7,900

Annual maximum discharge at crest-stage partial-record stations during water year 1977--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							
07287505	Broad Lake tributary No. 1 near Yazoo City, Miss. (discontinued)	Lat 32°52'50", long 90°29'40", in SE¼SW¼ sec. 15, T.12 N., R.3 W., Choctaw Meridian, Yazoo County, on U.S. Highway 49W, 3.6 mi (5.8 km) northwest of Yazoo River bridge near Yazoo City.	.11	1966-77	10-16-75 4- 4-77	3.57 4.57	a7.2 17
07288568	Quiver River tributary near Schlater, Miss.	Lat 33°38'30", long 90°24'30", in SE¼ sec.33, T.21 N., R.2 W., Choctaw Meridian, Leflore County, at culvert on State Highway 442, 3.4 mi (5.5 km) west of Schlater.	.18	1967-77	10-29-77	4.92	29
Big Black River basin							
07289100	Big Black River tributary near Eupora, Miss. (discontinued)	Lat 33°32'00", long 89°17'40", in SW¼ sec.6, T.19 N., R.10 E., Choctaw Meridian, Webster County, at double 12 x 5 ft (3.7 x 1.5 m) box culvert on U.S. Highway 82, 1.8 mi (2.9 km) southwest of Eupora.	2.29	1965-77	3- 3-77	8.13	1,200
07289225	Downing Branch near French Camp, Miss. (discontinued)	Lat 33°19', long 89°25', in SW¼ sec.24, T.17 N., R.8 E., Choctaw Meridian, Choctaw County, at 12 x 12 ft (3.7 x 3.7 m) box culvert on State Highway 413, 2.0 mi (3.2 km) north of French Camp.	1.74	1965-77	3- 3-77	8.47	550
07289265	Hays Creek tributary No. 1 near Vaiden, Miss.	Lat 33°23'10", long 89°45'40", in NE¼NW¼ sec. 34, T.18 N., R.5 E., Choctaw Meridian, Carroll County, at bridge on U.S. Highway 51, 3.9 mi (6.2 km) north of Vaiden.	14	1975-77	3- 4-77	25.69	1,750
07289268	Hays Creek tributary near Vaiden, Miss. (discontinued)	Lat 33°21'20", long 89°48'00", in NW¼NW¼ sec.8, T.17 N., R.5 E., Choctaw Meridian, Carroll County, on State Highway 35, 4.3 mi (6.9 km) northwest of Highway 51 near Vaiden.	.40	1966-77	3- 3-77	7.73	250
07289395	Sharkey Creek tribu- tary near West, Miss.	Lat 33°08'45", long 89°44'30", in NW¼ sec.24, T.15 N., R.5 E., Choctaw Meridian, Attala County, at culvert on State Highway 19, 4.7 mi (7.6 km) southeast of West.	.30	1967-77	3- 3-77	7.96	241
07289470	Tacketts Creek tribu- tary near Pickens, Miss.	Lat 32°56', long 89°58', on line between NE¼ and SE¼ sec.34, T.13 N., R.3 E., Choctaw Meridian, Holmes County, at 6 x 6 ft (1.8 x 1.8 m) box culvert on State Highway 17, 3.6 mi (5.8 km) north of Pickens.	.15	1965-77	3- 3-77	5.06	84
07289600	Tilda Bogue near Canton, Miss.	Lat 32°39'15", long 90°00'50", in SW¼ sec.5, T.9 N., R.3 E., Choctaw Meridian, Madison County, at bridge on U.S. Highway 51, 3.0 mi (4.8 km) north of Canton, and 3.5 mi (5.6 km) above mouth.	24.4	1948-77	3- 4-77	17.94	4,000
07289640	Panther Creek near Flora, Miss. (discontinued)	Lat 32°33'57", long 90°10'22", in SW¼ sec.2, T.8 N., R.1 E., Choctaw Meridian, Madison County, at 6 x 5 ft (1.8 x 1.5 m) box cul- vert on State Highway 22, 8.0 mi (12.9 km) northeast of Flora.	.26	1965-77	3- 3-77	5.54	143
07289641	Panther Creek tribu- tary near Flora, Miss.	Lat 32°34'00", long 90°10'05", in SW¼ sec.2, T.8 N., R.1 E., Choctaw Meridian, Madison County, at 5 x 2.2 ft (1.5 x 0.67 m) cul- vert on State Highway 22, 8.3 mi (13.4 km) northeast of Flora.	.07	1965-77	3- 3-77	6.92	130
07290005	Clear Creek near Bovina, Miss.	Lat 32°21'42", long 90°43'32", in SW¼ sec.17 T.6 N., R.5 W., Choctaw Meridian, Warren County, on county road, 1.0 mi (1.6 km) northeast of Bovina.	g36	1953-77	3- 3-77	24.88	6,000

Annual maximum discharge at crest-stage partial-record stations during water year 1977--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							
07290220	Dry Draw near Brookhaven, Miss. (discontinued)	Lat 31°38'35", long 90°25'50", in NW¼SW¼ sec.20, T.8 N., R.8 E., Washington Meridian, Lincoln County, on U.S. Highway 51, 4.5 mi (7.2 km) north of Brookhaven.	.20	1966-77	3- 3-77	5.68	133
07290525	Whiteoak Creek tributary near Utica, Miss.	Lat 32°04'00", long 90°31'35", in SE¼ sec.29, Choctaw Meridian, Hinds County, at 12 x 12 ft (3.7 x 3.7 m) box culvert on State Highway 27, 6.3 mi (10.1 km) southeast of Utica.	1.36	1965-77	3- 3-77	8.74	725
07290690	Clarks Creek near Pattison, Miss.	Lat 31°53'40", long 90°50'40", in lot 35, T.11 N., R.4 E., Washington Meridian, Claiborne County, at bridge on county highway, 1.3 mi (2.1 km) above mouth, and 2.5 mi (4.0 km) east of Pattison.	77.4	1961-62†, 1963-77	4-21-77	19.02	8,500
07290830	Little Creek near Fayette, Miss.	Lat 31°40'30", long 91°04'10", in SE corner of irregular section 24, T.8 N., R.1 E., Washington Meridian, Jefferson County, at culvert on State Highway 33, 2.0 mi (3.2 km) south of Fayette.	1.71	1967-77	4-21-77	10.99	983
07290870	Coles Creek near Fayette, Miss.	Lat 31°45'55", long 91°11'30", in lot 21, T.9 N., R.1 W., Washington Meridian, Jefferson County, at bridge on county highway, 0.7 mi (1.1 km) below confluence of North and South Forks of Coles Creek, and 10.0 mi (16.1 km) northwest of Fayette.	257	1961-62†, 1963-77	4-21-77	21.49	22,300
St. Catherine Creek basin							
07290910	Spanish Bayou at Natchez Miss. (discontinued)	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	1967-77	8-18-77	8.93	735
Homochitto River basin							
07291250	McCall Creek near Lucien, Miss.	Lat 31°30'24", long 90°38'45", in SW¼, sec.6 T.6 N., R.6 E., Washington Meridian, Franklin County, at U.S. Highway 84, 0.8 mi (1.3 km) east of Lucien.	g60	1953, 1955-77	3- 4-77	84.31	8,100
07291260	Beaver Run near McCall Creek, Miss. (discontinued)	Lat 31°30'30", long 90°43'10", in NW¼NE¼ sec.8, T.6 N., R.5 E., Washington Meridian, Franklin County, at culvert on U.S. Highway 84, 1.4 mi (2.3 km) west of McCall Creek. Prior to Oct. 1, 1964, at datum 0.56 ft (0.171 m) higher.	2.61	1955-77	5- 8-77	5.05	280
07294400	Observers Draw near Doloroso, Miss. (discontinued)	Lat 31°19'10", long 91°21'20", between secs.10 and 22, T.4 N., R.2 W., Washington Meridian, Wilkinson County, at culvert on U.S. Highway 61, 1.3 mi (2.1 km) north of Doloroso. Prior to Oct. 1, 1964, at datum 0.80 ft (0.244 m) higher.	.22	1954-77	4-20-77	6.30	158
Thompson Creek basin							
07373550	Moore's Branch near Woodville, Miss.	Lat 31°05'20", long 91°14'30", in SE¼SW¼ sec.32, T.2 N., R.1 W., Washington Meridian, Wilkinson County, at State Highway 24, 3.3 mi (5.3 km) east of Woodville. Prior to Oct. 1, 1964, at datum 0.88 ft (0.268 m) lower.	0.21	1955-77	3- 3-77	5.34	224

Annual maximum discharge at crest-stage partial-record stations during water year 1977--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis- charge (cfs)
Mississippi River Delta							
07375235	Tangipahoa River tributary near McComb, Miss.	Lat 31°12'30", long 90°31'40", in NE¼SE¼ sec. 19, T.3 N., R.7 E., Washington Meridian, Pike County, on State Highway 24, 4.8 mi (7.7 km) southwest of McComb.	2.71	1966-77	4-21-77	6.27	600
07376665	Stock Pond Draw near Liberty, Miss. (discontinued)	Lat 31°10'15", long 90°45'20", in NW¼SE¼NE¼ sec.1, T.2 N., R.4 E., Washington Meridian, Amite County, on State Highway 24, 3.4 mi (5.5 km) east of Liberty.	.38	1966-77	4-21-77	5.52	175
07376760	CRS Draw near Liberty, Miss.	Lat 31°06'50", long 90°54'10", in SW¼NW¼NW¼ sec.32, T.2 N., R.3 E., Washington Meridian, Amite County, on State Highway 48, 6.6 mi (10.6 km) west of intersection with Highway 24 in Liberty.	.80	1966-77	4-21-77	8.80	574

† Discharge not determined

‡ Operated as a continuous-record gaging station

a Revised.

b High-water mark was not determined.

c Gage heights and discharge measurements in files of Corps of Engineers.

d Corrected.

e By fall relation to crest-stage at Old Canton Road 600 ft downstream.

f Published at site near Howard, 3 mi (5 km) downstream.

g Approximately.

Discharge measurements at miscellaneous sites

Measurements of streamflow at points other than gaging stations are given in the following table. Those that are measurements of base flow are designated by an asterisk (*); measurements of peak flow by a dagger (†).

Discharge measurements made at miscellaneous sites during water year 1977

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Mobile River basin						
Nichols Creek	Tombigbee River	Lat 33°48'53", long 88°29'20", in SW¼ sec.25, T.14S., R.19W., Huntsville Meridian, Monroe County, at U.S. Highway 45, 3.2 mi (5.1 km) southeast of Aberdeen, Miss.	24.1	--	10-19-76 11-18-76 2-16-77 8- 9-77 9-13-77	*14.6 *12.3 *19.0 *4.58 *3.73
Pascagoula River basin						
Tallahala Creek	Leaf River	Lat 31°47'07", long 89°04'33", in SW¼ sec.35, T.10N., R.11 W., St. Stephens Meridian, Jones County, at county highway, 2.3 mi (3.7 km) west of Sandersville, Miss.	^a 200	1965 ^b , 1975-76	10-19-76 6-28-77 8-16-77	*6.11 *8.82 *18.3
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.	--	1975	8-16-77	*24.1
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 mi (1.6 km) south of Laurel, Miss.	--	1975	8-16-77	*30.3
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 1975	8-17-77	*31.6
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 mi (1.3 km) northeast of Ellisville, Miss.	--	1973, 1975	8-17-77	*54.2
Leaf River	Pascagoula River	Lat 31°10'56", long 88°55'08", in NW¼ sec.32, T.3 N., R.9 W., St. Stephens Meridian, Perry County, at bridge on State Highway 15, 1.0 mi (1.6 km) north of Beaumont, Miss. (Station No. 02474740).	3,120	1944-45, 1946, 1965	10- 6-76	*734
Black Creek	Big Black River	Lat 31°12'48", long 89°24'44", in NW¼ sec.21, T.3 N., R.14 W., St. Stephens Meridian, Lamar County, at county road, 1.8 mi (2.9 km) west of Okahola, Miss.	--	--	9-27-77	45.2
Mixon Creek	Black Creek	Lat 31°12'32", long 89°24'46", in NW¼ sec. 21, T.3 N., R.14 W., St. Stephens Meridian, Lamar County, at county road, 1.7 (2.7 km) west of Okahola, Miss.	--	--	9-28-77	5.81
Sandy Run	Black Creek	Lat 31°12'26", long 89°23'16", in NW¼SE¼ sec.22, T.3 N., R.14 W., St. Stephens Meridian, Lamar County, at county road at Okahola, Miss.	--	--	9-28-77	6.67
Black Creek tributary	Black Creek	Lat 31°11'15", long 89°23'02", in SE¼ sec.27, T.3 N., R.14 W., St. Stephens Meridian, Lamar County, at county highway 1.4 mi (2.3 km) south of Okahola, Miss.	--	--	9-28-77	2.97
Escatawpa River ^c	Pascagoula River	Lat 30°37'45", long 88°26'00", in NE¼ sec.12, T.5 S., R.5 W., St. Stephens Meridian, Jackson County at bridge on county road, 4.2 mi (6.8 km) southeast of Hurley, Miss.	639	1952, 1958-60 [†] , 1961-70 ^a , 1972	5-17-77 5-19-77	518 431

Discharge measurements made at miscellaneous sites during water year 1977--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Tchoutacabouffa River basin						
Bayou Costapia	Tchoutacabouffa River	Lat 30°30'19", long 88°51'44", in SW¼ sec.23, T.6 S., R.9 W., St. Stephens Meridian, Jackson County, 6.9 mi (11.1 km) north of Ocean Springs, Miss.	--	--	7-14-77	0
Howard Creek	Tchoutacabouffa River	Lat 30°28'06", long 88°56'20", in NE¼ sec.1, T.7 S., R.10 W., St. Stephens Meridian, Harrison County, at bridge on State Highway 67, at Cedar Lake, Miss.	--	--	6-14-77	0
Bayou Bernard basin						
Bayou Bernard	Big Lake	Lat 30°26'24", long 89°05'59", in NW¼ sec.16, T.7 S., R.11 W., St. Stephens Meridian, Harrison County, 0.6 mi (1.0 km) upstream from bridge at U.S. Highway 49, at Landon, Miss.	--	1974	6-14-77	*0.542
Flat Branch	Bayou Bernard	Lat 30°26'25", long 89°05'46", in NW¼ sec.16, T.7 S., R.11 W., St. Stephens Meridian, Harrison County, 0.4 mi (0.6 km) downstream from bridge on Dedeaux Rd., at Landon, Miss.	--	1974	6-14-77	*1.33
Jourdan River basin						
Catahoula Creek	Jourdan River	Lat 30°24'20", long 89°30'08", in SE¼ sec.28, T.7 S., R.15 W., St. Stephens Meridian, Hancock County, 0.1 mi (0.16 km) upstream from Bayou Bacon, and 4.0 mi (6.4 km) west of Kiln, Miss.	--	--	7-14-77	*48.3
Pearl River basin						
Pearl River	Gulf of Mexico	Lat 32°10'40", long 90°14'35", in NW¼ sec.19, T.4 N., R.1 E., Choctaw Meridian, Hinds County, at bridge on county road 0.2 mi (0.3 km) southeast of Byram, Miss.	a ₃ ,430	1939, 1964, 1972, 1976	8-31-77	*274
Pearl River	Gulf of Mexico	Lat 32°05'39", long 90°13'37", in SW¼ sec.17, T.3 N., R.1 E., Choctaw Meridian, Hinds County, on county highway, 3.5 mi (5.6 km) east of Terry, Miss.	--	1964, 1966, 1972	8-31-77	284
Strong River	Pearl River	Lat 31°33'10", long 89°59'33", in NW¼ sec.33, T.1 N., R.3 E., Choctaw Meridian, Simpson County, at bridge on State Highway 28, 2.0 mi (3.2 km) west of Pinola, Miss.	--	1976	4-28-77	406
Pearl River	Gulf of Mexico	Lat 30°27'48", long 89°41'53", in SE¼ sec.38, T.7 S., R.15 E., St. Stephens Meridian, on line between Hancock County, Miss., and St. Tammany Parish, La., 0.9 mi (1.4 km) south of Nicholson, Miss.	--	1952	10-19-76 11-10-76 1-17-77	*153 *177 †5,080
Yazoo River basin						
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 mi (1.6 km) northeast of U.S. Highway 55, 4.0 mi (6.4 km) southeast of Oakland, Miss.	--	1973, 1975-76	5-25-77	*0.78
Tillatoba Creek	Tallahatchie River	Lat 34°01'04", long 89°55'00", in SE¼ sec.19, T.25 N., R.4 E., Choctaw Meridian, Yalobusha County, at bridge on county highway, 3.0 mi (4.8 km) northwest of Tillatoba, Miss.	00	1973 1975-76	5-25-77	2.32
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 mi (2.4 km) southwest of Scobey, Miss.	--	1973, 1975	5-25-77	*0.11

Discharge measurements made at miscellaneous sites during water year 1977--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Yazoo River basin--Continued						
Davis Creek	South Fork Tillatoba Creek	Lat 33°55'26", long 89°55'12", in NW¼ sec.30, T.24 N., R.3 E., Choctaw Meridian, Yalobusha County, at bridge on county road, 4.5 mi (7.2 km) southeast of Tillatoba, Miss.	--	1973, 1975-76	5-25-77	*.86
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 mi (6 km) west of Scobey, Miss.	--	1973 1975-76	5-25-77	*1.60
Simmons Creek	South Fork Tillatoba Creek	Lat 33°58'20", 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 mi (3.2 km) southeast of Tillatoba, Miss.	--	1973, 1975-76	5-25-77	*.25
Simmons Creek	South Fork Tillatoba Creek	Lat 33°58'05", long 89°54'09", in NW¼ sec.8, T.24 N., R.4 E., Choctaw Meridian, Yalobusha County, at U.S. Highway 51, 1.0 mi (1.6 km) south of Tillatoba, Miss.	--	1973, 1975-76	5-25-77	*0.39
South Fork Tillatoba Creek	Tillatoba Creek	Lat 33°57'36", long 89°56'57", on line between secs.10 and 11, T.24 N., R.4 E., Choctaw Meridian, Tallahatchie County, on county road 4.0 mi (6.4 km) southwest of Tillatoba, Miss.	--	1973-76	5-25-77	*3.68
Tillatoba Creek	Tallahatchie River	Lat 33°59'22", long 89°59'38", in SW¼ sec.33, T.25 N., R.3 E., Choctaw Meridian, Tallahatchie County, 4.0 mi (6.4 km) east of Charleston, Miss.	--	1975-76	5-25-77	*8.81
Big Black River basin						
Big Black River ^c	Mississippi River	Lat 33°22'58", long. 89°36'52", in NE¼ sec. 36, T.18 N., R.6 E., Choctaw Meridian, Montgomery County, 9 mi (14.5 km) southeast of Winona, Miss.	--	1964, 1970, 1972	3- 4-77	†23,300
Big Black River	Mississippi River	Lat 33°03'43", long 89°50'00", in SW¼ sec.18, T.14 N., R.5 E., Choctaw Meridian, Attala County, on State Highway 12, 1.5 mi (2.4 km) Southeast of Durant, Miss.	--	1964-65	3- 5-77	†28,500
Big Black River	Mississippi River	Lat 32°42'26", long 90°05'39", in sec.16, T.10 N., R.2 E., Choctaw Meridian, Madison County, on State Highway 16, 6.8 mi (10.9 km) northwest of Canton, Miss.	1,820	1959-60 1962, 1964, 1966, 1969-73	3- 6-77 3- 8-77	20,100 †30,400
Mississippi River Delta						
Little Tangipohoa River	Lake Ponchartrain	Lat 31°13'21" long 90°28'32", in SW¼ sec.14, T.3 N., R.7 E., Washington Meridian, Pike County, on U.S. Highway 98 at McComb, Miss.	--	--	7-26-77 7-28-77	*0.47 2.81
Little Tangipohoa River	Lake Ponchartrain	Lat 31°12'12", long 90°27'26", on line between secs.24 and 25, T.3 N., R.7 E., Washington Meridian, Pike County, 0.2 mi (0.3 km) west of U.S. Highway 51, 1.2 mi (1.9 km) north of Fernwood, Miss.	--	--	7-27-77	2.30
Town Creek	Tangipahoa River	Lat 31°13'53", long 90°26'50", in NE¼ sec.13, T.3 N., R.7 E., Washington Meridian, Pike County, on U.S. Highway 98 at McComb, Miss.	--	--	7-27-77	*0.46
Town Creek	Tangipahoa River	Lat 31°12'12", 90°27'05", on line between secs. 24 and 25, T.3 N., R.7 E., Washington Meridian, Pike County, 0.2 mi (0.3 km) east of U.S. Highway 51, 1.0 mi (1.6 km) north of Fernwood, Miss.	--	--	7-27-77	3.82
Little Tangipohoa River	Tangipahoa River	Lat 31°11'18", long 90°26'37", in NW¼ sec.31, T.3 N., R.8 E., Washington Meridian, Pike County, 0.5 mi (0.8 km) northeast of Fernwood, Miss.	21.8	1942 1954-56 1967	7-26-77	9.64

Discharge measurements made at miscellaneous sites during water year 1977--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Mississippi River Delta--Continued						
East Fork Amite River	Amite River	Lat 31°05'54", long 90°43'00", in NE¼ sec.32 (revised), T.2 N., R.5 E., Washington Meridian, Amite County, at bridge on State Highway 584 near Peoria, Miss.	183	1966, 1972	4-21-77 4-22-77	†27,900 †19,000

† Operated as a continuous-record gaging station.

a Approximately

b Operated as a crest-stage gage.

c At low-flow partial-record station.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements in Tennessee-Tombigbee Study Area, Mississippi

Measurements of streamflow made in the Tennessee-Tombigbee Study Area, Mississippi, are given in the following table. Data below furnished by and are in files of Corps of Engineers, Mobile District, except those designated by prefix "a" which were obtained by and are in files of USGS.

Discharge measurements made in Tennessee-Tombigbee Study Area, Mississippi, during water year 1977

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Mobile River basin						
02429710 Big Rock Hollow	Big Brown Creek	Lat 34°43'00", long 88°26'06", in SW¼ sec.23, T.4 S., R.8 E., Chickasaw meridian, Prentiss County, on county road, 3.4 miles (5.5 km) north of Altitude, Miss.	1.06	1972, 1975-76	5-10-77	0.24
02429713 Yarber Branch	Big Rock Hollow	Lat 34°42'58", long 88°26'11", in SW¼ sec.23, T.4 S., R.8 E., Chickasaw meridian, Prentiss County, on county road, 3.4 miles (5.5 km) north of Altitude, Miss.	.47	1972, 1974-76	5-19-77	.17
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, 1974-76	5-19-77	.56
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, 1974-76	5-19-77	1.40
02429735 Big Brown Creek	Mackeys Creek	Lat 34°40'11", long 88°25'48", in SW¼ sec.2, T.5 S., R.8 E., Chickasaw meridian, Prentiss County, on State Highway 364, 0.7 miles (1.1 km) east of Altitude, Miss.	11.3	1972, 1974-76	5-20-77	2.27
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, 1974-76	5-19-77	.26
02429743 Middle Channel of East Prong	East Prong	Lat 34°41'08", long 88°23'20", in SE¼ sec.31, T.4 S., R.9 E., Chickasaw meridian, Prentiss County, on county road, 3.3 miles (5.3 km) northeast of Altitude, Miss.	.12	1972, 1976	5-19-77	<.01
02429745 South Channel of East Prong	East Prong	Lat 34°41'04", long 88°23'19", in SE¼ sec.31, T.4 S., R.9 E., Chickasaw meridian, Prentiss County, on county road, 3.3 miles (5.3 km) northeast of Altitude, Miss.	.20	1972, 1976	5-19-77	.04
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, 1974-76	5-20-77	.56
02429933 Little Brown Creek	Big Brown Creek	Lat 34°38'40", long 88°21'24", in center of sec. 9, T.5 S., R.9 E., Chickasaw meridian, Prentiss County, on county road, 1.8 miles (2.9 km) northwest of Burton, Miss.	1.59	1972, 1974-76	5-17-77	.58
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, 1974-76	5-17-77	1.75
024299348 Little Brown Creek tributary No. 4	Little Brown Creek	Lat 34°39'27", long 88°20'44", in W¼ sec.10, T.5 S., R.9 E., Chickasaw meridian, Prentiss County, on State Highway 365, 1.4 miles (2.3 km) north of Burton, Miss.	.77	1972, 1976	5-17-77	.25
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, 1974-76	5-19-77	3.10
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, 1974-76	5-19-77	5.25

Discharge measurements made in Tennessee-Tombigbee Study Area, Mississippi during water year 1977

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Mobile River basin--Continued						
02429943 Little Brown Creek tributary	Little Brown Creek	Lat 34°57'30", long 88°21'40", in NW¼ sec.28, T.5 S., R.9 E., Chickasaw meridian, Prentiss County, on county road, 1.7 mi (2.7 km) east of New Hope, Miss.	0.15	1972, 1974-76	5-19-77	0.06
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 mi (2.3 km) east of New Hope, Miss.	2.82	1972, 1974-75	5-19-77	.34
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 mi (4.8 km) northwest of Paden, Miss.	1.05	1972, 1974-76	10-13-76 5-17-77	a.82 .04
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 mi (4.3 km) north northwest of Paden, Miss.	.39	1972, 1975-76	5-17-77	0
02429972 Hurricane Creek	Mackeys Creek	Lat 34°40'16", long 88°18'08", in SE¼ sec.1, T.5 S., R.9 E., Chickasaw Meridian, Tishomingo County, on county road, 2.3 mi (3.7 km) north- west of Paden, Miss.	.69	1972, 1975-76	5-17-77	.10
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 mi (2.7 km) north- west of Paden, Miss.	.90	1972, 1974-76	5-17-77	.11
02429975 Black Branch	Mackeys Creek	Lat 34°39'53", long 88°16'00", in N¼ sec.8, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on Illinois Central Rail- road bridge, 0.5 mi (0.8 km) north of Paden, Miss.	1.40	1972, 1974-76	10-13-76 5-17-77	a.55 .46
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 mi (0.5 km) east of Paden, Miss.	2.76	1972, 1974-76	5-17-77	2.85
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 mi (2.3 km) northwest of Tishomingo, Miss.	3.51	1972, 1974-76	5-18-77	.99
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 mi (0.3 km) west of Tishomingo, Miss.	3.51	1972, 1974-76	5-18-77	2.37
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 mi (1.4 km) northwest of Tishomingo, Miss.	.15	1972, 1974-76	5-18-77	.29
024299794 King Creek tributary No. 2	King Creek	Lat 34°38'28", long 88°15'03", in S¼ sec.16, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on Natchez Trace, 1.1 mi (1.8 km) northwest of Tishomingo, Miss.	.08	1972, 1976	5-18-77	.02

Discharge measurements made in Tennessee-Tombigbee Study Area, Mississippi, during water year 1977

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Mobile River basin--Continued						
024299814 Mackeys Creek tributary	Mackeys Creek	Lat 34°38'26", long 88°15'34", in SW¼ sec.16, T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, on Natchez Trace, 1.2 miles (1.9 km) south of Paden, Miss.	0.19	1972, 1974-76	5-18-77	0.13
02429985 Sandy Hook Creek	Mackeys Creek	Lat 34°38'16", long 88°17'06", in NE¼ sec.19, T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, on county road, 1.8 miles (2.9 km) southwest of Paden, Miss.	1.13	1972, 1974-76	5-18-77	.61
02429987 Reedy Branch	Sandy Hook Creek	Lat 34°38'04", long 88°17'02", in NW¼ sec.19, T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, on county road, 2.3 miles (3.7 km) southwest of Paden, Miss.	.82	1972, 1975-76	5-18-77	.25
02429988 Reedy Branch tributary	Reedy Branch	Lat 34°38'02", long 88°17'36", in NW¼ sec.19, T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, on county road, 2.3 miles (3.7 km) southwest of Paden, Miss.	.53	1972, 1976	5-18-77	.14
02429996 Riddle Creek	Mackeys Creek	Lat 34°37'26", long 88°19'31", in NW¼ sec.26, T.5 S., R.9 E., Chickasaw meridian, Tishomingo County, on county road, 1.3 miles (7.1 km) southeast of Burton, Miss.	3.72	1972, 1975-76	5-19-77	.71
02430030 Rock Creek	Mackeys Creek	Lat 34°31'09", long 88°15'26", in NW¼ sec.33, T.6 S., R.10 E., Chickasaw meridian, Tishomingo County, on county road, 2.9 miles (4.7 km) west of Belmont, Miss.	4.33	1972, 1976	5-20-77	1.43
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, 1974-76	5-20-77	1.18
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, 1974-76	5-20-77	2.01
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, 1974-76	5-20-77	1.00
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, 1974-76	5-21-77	3.31
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, 1974-76	5-21-77	.99
02430200 Wright Branch	Little Brown Creek	Lat 34°28'51", long 88°22'26", in SW¼ sec.8, T.7 S., R.9 E., Chickasaw meridian, Prentiss County, on county road, 5.1 miles (8.2 km) southeast of Marietta, Miss.	3.13	1972, 1976	5-20-77	1.32
02430300 Fret Branch	Wright Branch	Lat 34°28'53", long 88°23'53", in SW¼ sec.7, T.7 S., R.9 E., Chickasaw meridian, Prentiss County, on county road, 4.2 miles (6.8 km) southeast of Marietta, Miss.	1.75	1972, 1976	5-21-77	.19
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, 1974-76	5-21-77	3.53
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, 1974-76	5-21-77	12.9

Discharge measurements made in Tennessee-Tombigbee Study Area, Mississippi, during water year 1977

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Mobile River basin--Continued						
02431400 Mantachie Creek	Tombigbee River	Lat 33°15'55", long 88°26'42", in SE¼ sec.32, T.9 S., R.8 E., Chickasaw meridian, Itwamba 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, 1974-76	5-21-77	4.99
02431700 Reeds Creek	Tombigbee River	Lat 34°12'19", long 88°22'23", on line between sec.17 and 20, T.10 S., R.9 E., Chickasaw meridian, Itawamba County, at bridge on State Highway 25, 0.5 mile (0.8 km) southeast of Beans Ferry, Miss.	--	1975-76	5-22-77	7.01
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, 1974-76	5-21-77	8.83
02433400 Boguegaba Creek	Boguefala Creek	Lat 34°05'17", long 88°28'45", in NE¼ sec.32, T.11 S., R.8 E., Chickasaw meridian, Mornoe County, on county road, 2.1 miles (3.4 km) south of Carolina, Miss.	21.5	1972, 1975-76	5-21-77	3.69
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 mi (5.3 km) north of Amory, Miss.	--	1975	5-22-77	0.92
Tennessee River basin						
03592546 Rutledge Branch	Cripple Deer Creek	Lat 34°43'11", long 88°13'50", in NE¼ sec.22, T.4 S., R.10 E., Chickasaw meridian, Tishomingo County, on county road, 0.9 mile (1.4 km) south southwest of Midway, Miss.	1.05	1972, 1975-76	5-19-77	.26
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, 1950-60, 1972, 1974-76	5-18-77	0.87
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.	--	1974-76	5-18-77	1.05
03592559 Little Cripple Deer Creek	Cripple Deer	Lat 34°46'22", long 88°13'04", in SW¼ sec.11, T.3 S., R.10 E., Chickasaw meridian, Tishomingo County, on State Highway 25, 3.0 miles (4.8 km) southwest of Iuka, Miss.	.60	1972, 1974, 1976	5-18-77	<.01
03592560 Cripple Deer Creek tributary	Cripple Deer Creek	Lat 34°46'25", long 88°13'01", in center of sec.35, T.3 S., R.10 E., Chickasaw meridian, Tishomingo County, on State Highway 25, 2.9 miles (4.7 km) southwest of Iuka, Miss.	.82	1972, 1974, 1976	5-18-77	.10
03592561 Little Cripple Deer Creek tributary	Little Cripple Deer Creek	Lat 34°46'08", long 88°13'05", in S¼ sec.35, T.3 S., R.10 E., Chickasaw meridian, Tishomingo County, on State Highway 25, 3.3 miles (5.3 km) southwest of Iuka, Miss.	.89	1972, 1974-76	5-18-77	.08
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, 1974-76	5-18-77	.51
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, 1974-76	5-18-77	.73
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, 1975-76	5-17-77	.37
03592652 Clausel Creek	Yellow Creek	Lat 34°44'06", long 88°21'04", in NE¼ sec.16, T.4 S., R.9 E., Chickasaw meridian, Prentiss County, on State Highway 365, 0.6 mile (1.0 km) north northwest of Cairo, Miss.	2.59	1972, 1975-76	5-17-77	.20

Discharge measurements made in Tennessee-Tombigbee Study Area, Mississippi during water year 1977

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 mi (1.1 km) north northwest of Cairo, Miss.	2.54	1972, 1975	5-17-77	0.26
03592656 Clausel Creek tributary	Clausel Creek	Lat 34°44'22", long 88°21'12", in N¼ sec.16, T.4 S., R.9 E., Chickasaw meridian, Prentiss County, on State Highway 365, 0.9 mi (1.4 km) northwest of Cairo, Miss.	0.30	1972, 1974-76	5-17-77	.03
03592662 Tributary of Yellow Creek tributary No. 2	Yellow Creek tributary No. 2	Lat 34°44'07", long 88°18'16", in N¼ sec.13, T.4 S., R.9 E., Chickasaw meridian, Tishomingo County, on county road, 0.6 mi (1.0 km) north of Holcut, Miss.	.95	1972, 1975	5-17-77	.08
03592663 Yellow Creek tributary	Yellow Creek	Lat 34°44'16", long 88°18'16", in N¼ sec.13, T.4 S., R.9 E., Chickasaw meridian, Tishomingo County, on county road, 0.4 mi (0.6 km) north of Holcut, Miss.	.57	1972, 1974-76	5-17-77	0.26
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 mi (2.4 km) southwest of Holts Spur, Miss.	1.15	1972, 1975-76	5-17-77	.04
03592670 Berea Creek	Yellow Creek	Lat 34°47'15", long 88°19'50", in S¼ sec.26-27, T.3 S., R.9 E., Chickasaw meridian, Tishomingo County, on State Highway 365, 1.2 mi (1.9 km) north of Holts Spur, Miss.	8.60	1972, 1974-76	5-17-77	1.12
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 mi (2.7 km) southeast of Burnsville, Miss.	11.9	1972, 1974-75	5-18-77	3.62

Water-quality partial-record stations are particular sites where chemical-quality, biological and or sediment data are collected systematically over a period of years for use in hydrologic analyses. The data are collected usually less than quarterly.

02429969 - BURGESS CREEK NR PADEN, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT 13...	1430	.82	38	6.3	16.0	30	8.0	8.7	2	14	0

DATE	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
OCT 13...	4.0	1.0	2.1	22	.2	1.8	18	0	15	14	6.5

DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)
OCT 13...	1.6	55	.07	.12	.01	.01	.05	.06	.07	.30

DATE	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL IRON (FE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	SUS- PENDE SEDIM- ENT MENT (MG/L)	SUS- PENDE SEDIM- ENT CHARGE (T/DAY)
OCT 13...	.01	1100	150	3	0	90	.1	.0	15	.03

02429975 - BLACK BRANCH AT PADEN, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CF5)	SPECIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT 13...	1300	.55	28	6.2	15.5	25	6.0	8.8	8	8	0

DATE	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
OCT 13...	2.4	.6	1.2	21	.2	1.1	10	0	8	10	2.3

DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N03) (MG/L)
OCT 13...	1.4	43	.06	.06	.11	.01	.24	.25	.36	1.6

DATE	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL IRON (FE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	SUS- PENDE SEDIMENT (MG/L)	SUS- PENDE SEDIMENT DIS- CHARGE (T/DAY)
OCT 13...	.01	950	110	2	0	130	.1	.0	14	.02

TALLAHALA CREEK

An intensive study of the quality of water in Tallahala Creek was made in the Laurel, Mississippi area in August 1977. Water samples were collected at 6 sites on Tallahala Creek from Sanderville downstream to Ellisville. Water samples were collected at approximately 6-hour intervals and water quality field determination were made every 3 hours. Listed below are site locations and results of laboratory and field determinations made during the study.

02473490 - TALLAHALA CREEK NR SANDERSVILLE, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHMS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
AUG						
06...	1120	80	95	6.6	25.0	7.6
16...	0615	18	200	7.3	26.0	8.2
16...	0700	18	200	--	--	--
16...	0800	18	200	--	--	--
16...	0900	18	200	--	--	--
16...	1000	18	199	--	--	--
16...	1100	18	199	--	26.0	7.5
16...	1130	18	198	7.6	26.0	7.5
16...	1200	18	199	--	26.0	7.1
16...	1300	18	200	--	26.0	6.8
16...	1400	18	200	--	26.5	6.5
16...	1500	18	200	7.5	26.5	6.2
16...	1600	18	198	--	26.5	6.3
16...	1700	18	199	--	26.5	6.3
16...	1800	18	198	--	26.5	6.4
16...	1825	18	198	7.3	27.0	6.5
16...	1900	17	198	--	27.0	6.3
16...	2000	17	197	--	27.0	6.0
16...	2100	17	197	--	27.0	5.7
16...	2130	17	197	7.5	27.0	5.5
16...	2200	17	196	--	27.0	5.5
16...	2300	17	196	--	27.0	5.4
16...	2355	17	195	7.6	27.0	5.3
16...	2400	17	195	--	27.0	5.3
17...	0100	17	193	--	27.0	5.5
17...	0200	16	190	--	27.0	5.6
17...	0235	16	190	7.6	27.0	5.7
17...	0300	16	190	--	27.0	5.8
17...	0400	16	189	--	27.0	6.3
17...	0500	16	189	--	26.5	6.7
17...	0600	16	188	7.6	26.5	7.2
17...	0700	16	188	--	26.5	6.9
17...	0800	16	188	--	26.0	6.2
17...	0900	16	188	--	26.0	5.4
17...	0915	15	188	7.4	26.0	5.2
17...	1000	15	185	--	26.0	6.0
17...	1100	15	183	--	26.5	7.0
17...	1200	15	181	7.4	26.5	7.7
17...	1300	15	181	--	26.5	7.7
17...	1400	15	181	--	26.5	7.8
17...	1500	15	181	--	26.5	7.8
17...	1515	15	182	7.4	26.5	7.8
17...	1600	15	181	--	26.5	6.9
17...	1700	15	180	--	27.0	5.7
17...	1800	15	180	7.7	27.0	4.3
17...	1900	15	180	--	27.0	5.0
17...	2000	15	180	--	27.0	5.8
17...	2020	15	181	7.6	27.0	6.2
17...	2100	15	182	--	27.0	5.9
17...	2200	15	182	--	27.0	5.5
17...	2300	15	184	--	26.5	5.0
17...	2400	15	184	--	26.5	4.5

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

TALLAHALA CREEK--CONTINUED

02473490 - TALLAHALA CREEK NR SANDERSVILLE, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

				INSTAN- TANEOUS DIS- CHARGE (CFS)		SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)		PH		TEMPER- ATURE (DEG C)		DIS- SOLVED OXYGEN (MG/L)	
DATE		TIME						(UNITS)					
AUG													
18...		0010		15		185		7.6		26.5		4.4	
18...		0100		15		185		--		26.5		4.4	
18...		0200		15		186		--		26.5		4.3	
18...		0300		15		187		--		26.5		4.3	
18...		0305		15		187		7.6		26.5		4.3	
18...		0400		15		188		--		26.5		5.3	
18...		0500		14		188		--		26.5		6.7	
18...		0600		14		188		--		26.5		8.2	
18...		0630		14		188		7.2		26.5		8.6	
18...		0700		14		188		--		26.5		8.3	
18...		0800		14		190		--		26.5		7.7	
18...		0900		14		191		--		26.0		7.1	
18...		0930		13		192		7.3		26.0		6.8	
18...		1000		13		194		--		26.0		6.8	
18...		1100		13		194		--		26.0		6.9	
18...		1200		13		195		7.6		26.0		6.9	
18...		1300		13		195		--		26.0		6.9	
18...		1400		13		195		--		26.5		6.9	
18...		1500		14		195		7.6		26.5		6.9	
18...		1600		14		193		--		26.5		6.9	
18...		1700		14		190		--		26.0		6.8	
18...		1800		14		189		7.4		26.0		6.8	
18...		1900		14		189		--		26.0		--	
18...		2000		14		190		--		26.0		--	
18...		2045		14		190		7.5		26.0		6.8	
18...		2100		14		191		--		26.0		--	
18...		2200		14		193		--		26.0		--	
18...		2300		14		194		--		26.0		--	
18...		2400		14		196		--		26.0		--	
19...		0015		14		198		7.5		26.0		5.4	
19...		0100		14		197		--		26.0		--	
19...		0200		14		196		--		26.0		--	
19...		0215		14		195		7.4		26.0		5.0	
19...		0300		26		195		--		--		--	
19...		0400		26		195		--		--		--	
19...		0500		26		195		--		--		--	
19...		0600		26		195		--		--		--	
DATE		TIME	COLOR (PLAT- INUM- COBALT UNITS)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM 7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
AUG													
16...		0615	110	1.1	820	250	.21	.04	.40	.44	.65	2.9	.04
16...		1130	110	1.8	190	814000	.21	.13	1.1	1.2	1.4	6.2	.04
16...		1825	120	4.1	890	170	.22	.05	.69	.74	.96	4.3	.04
16...		2355	120	.5	350	460	.23	.03	.33	.36	.59	2.6	.04
17...		0600	110	.9	1200	960	.22	.08	.62	.70	.92	4.1	.03
17...		1200	110	.7	740	330	.23	.06	.71	.77	1.0	4.4	.04
17...		1800	110	1.9	>6000	320	.22	.09	1.0	1.1	1.3	5.8	.04
18...		0010	110	1.4	82300	340	.21	.04	.59	.63	.84	3.7	.04
18...		0630	110	1.4	8870	390	.21	.04	.56	.60	.81	3.6	.03
18...		1200	110	2.8	83800	210	.21	.06	.74	.80	1.0	4.5	.04
18...		1800	110	1.7	81900	1400	.21	.06	.61	.67	.88	3.9	.03
19...		0015	110	1.1	82500	1700	.21	.03	.50	.53	.74	3.3	.07

TALLAHALA CREEK--CONTINUED

02473495 - TALLAHALA CREEK AT HWY 11 AT LAUREL, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHUS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)					
AUG											
16...	0645	25	166	7.6	25.5	7.4					
16...	1200	24	163	7.4	26.5	5.4					
16...	1530	23	164	7.6	27.5	3.7					
16...	1845	21	164	7.4	27.5	4.8					
16...	2150	20	165	7.3	27.5	4.8					
17...	0015	19	164	7.3	27.0	4.3					
17...	0250	19	164	7.5	26.5	4.8					
17...	0645	18	165	7.5	25.5	6.0					
17...	0930	17	161	7.2	26.0	5.3					
17...	1230	17	168	7.2	26.5	6.3					
17...	1540	17	170	7.2	27.5	5.0					
17...	1820	17	173	7.4	27.5	4.2					
17...	2035	17	175	7.3	27.5	4.6					
18...	0030	17	177	7.2	26.5	5.5					
18...	0325	16	179	7.4	26.5	4.0					
18...	0645	15	182	7.2	26.0	4.3					
DATE	TIME	COLOR (PLAT-INUM-CORALTY UNITS)	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLIFORMS (COL./100 ML)	FECAL STREPTOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NITRITE PLUS NITRATE (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
AUG											
16...	0645	120	1.0	R100	250	.21	.09	.64	.73	.94	.08
16...	1200	120	2.5	460	B170	.21	.10	.69	.79	1.0	.08
16...	1845	110	2.3	R7600	R60	.21	.08	.79	.87	1.1	.08
17...	0015	100	2.4	480	1600	.22	.08	.66	.74	.96	.11
17...	0645	110	2.0	R3400	710	.23	.13	.82	.95	1.2	.15
17...	1230	120	3.1	4200	700	.22	.08	.88	.96	1.2	.12
17...	1820	100	3.4	>6000	120	.21	.09	1.0	1.1	1.3	.10
18...	0030	110	2.6	R6000	600	.22	.11	.73	.84	1.1	.11
18...	0645	110	1.9	R1400	330	.22	.11	.63	.74	.96	.11

02473500 - TALLAHALA CREEK AT LAUREL, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHUS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
AUG						
16...	0715	28	171	7.4	26.5	5.9
16...	1230	27	169	7.3	28.0	5.6
16...	1545	26	173	7.2	29.0	7.0
16...	1940	26	178	7.0	28.5	4.4
16...	2205	25	176	7.1	28.0	2.8
17...	0035	25	179	7.2	27.5	3.4
17...	0305	25	180	7.0	27.0	3.1
17...	0700	24	180	6.8	26.5	2.8
17...	0945	24	182	7.1	26.5	6.6
17...	1245	23	181	6.7	28.0	4.4
17...	1600	23	182	6.9	28.0	4.4
17...	1840	22	181	7.4	28.5	3.6
17...	2050	22	179	7.2	28.0	3.4
18...	0050	22	184	7.0	27.5	3.2
18...	0335	22	188	7.4	27.0	2.5
18...	0715	22	189	6.7	26.5	2.8

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

TALLAHALA CREEK--CONTINUED

02473500 - TALLAHALA CREEK AT LAUREL, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCEI KF AGAR (COL. PER 100 ML)	TOTAL NITRITE PLUS NITRATE (MG/L)	TOTAL AMMONIA NITRO- GEN (MG/L)	TOTAL ORGANIC NITRO- GEN (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (MG/L)	TOTAL NITRO- GEN (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
AUG												
16...	0715	120	3.7	720	1000	.27	.38	1.1	1.5	1.8	7.8	.38
16...	1230	120	3.3	1400	320	.28	.43	.87	1.3	1.6	7.0	.38
16...	1940	110	5.5	1300	8710	.28	.35	1.5	1.8	2.1	9.2	.40
17...	0035	110	5.0	85400	590	.30	.44	1.3	1.7	2.0	8.9	.43
17...	0700	110	4.7	83100	1700	.28	.40	1.0	1.4	1.7	7.4	.41
17...	1245	120	3.9	81400	830	.28	.38	1.1	1.5	1.8	7.9	.46
17...	1840	110	4.0	>6000	560	.29	.09	1.7	1.8	2.1	9.3	.45
18...	0050	110	3.5	85500	810	.28	.31	1.4	1.7	2.0	8.8	.49
18...	0715	110	2.3	>6000	780	.28	.41	1.4	1.8	2.1	9.2	.49

02473540 - TALLAHALA CREEK NR LAUREL, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
AUG						
16...	0740	35	192	6.8	26.5	4.7
16...	1300	32	192	6.9	28.0	4.0
16...	1600	30	191	6.7	29.0	3.8
16...	2025	30	189	6.8	28.5	2.7
16...	2245	29	189	6.8	28.5	2.5
17...	0115	29	190	6.8	28.0	2.4
17...	0335	28	193	7.0	27.5	2.1
17...	0730	26	200	6.8	26.5	2.1
17...	1000	26	205	7.1	27.0	2.8
17...	1300	26	205	6.9	28.0	2.4
17...	1615	25	202	6.7	28.5	3.8
17...	1900	25	202	6.8	28.5	2.6
17...	2100	25	202	7.2	28.5	2.2
18...	0115	24	202	6.9	27.5	2.6
18...	0350	24	200	6.8	27.5	2.4
18...	0730	24	208	6.5	26.5	2.0

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCEI KF AGAR (COL. PER 100 ML)	TOTAL NITRITE PLUS NITRATE (MG/L)	TOTAL AMMONIA NITRO- GEN (MG/L)	TOTAL ORGANIC NITRO- GEN (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (MG/L)	TOTAL NITRO- GEN (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
AUG												
16...	0740	120	9.8	420	4100	.30	1.8	1.9	3.7	4.0	18	.59
16...	1300	120	11	6700	2000	.31	1.5	2.3	3.8	4.1	18	.54
16...	2025	120	9.5	780	1900	.31	.62	1.8	2.4	2.7	12	.46
17...	0115	110	10	817000	2600	.34	.93	1.6	2.5	2.8	13	.52
17...	0730	120	9.1	>10000	9200	.34	1.3	2.2	3.5	3.8	17	.56
17...	1300	120	13	>10000	5800	.32	1.1	3.8	4.9	5.2	23	.61
17...	1900	110	>7.3	>6000	84200	.34	.91	2.2	3.1	3.4	15	.61
18...	0115	100	8.9	86500	84100	.29	.85	2.5	3.3	3.6	16	.62
18...	0730	110	8.6	>6000	82900	.29	1.1	2.3	3.4	3.7	16	.72

TALLAHALA CREEK--CONTINUED

02473600 - TALLAHALA CREEK AT BROWN ST. EXT. AT LAUREL, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

				INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)					
AUG													
		16...	0815	41	352	7.1	27.0	1.9					
		16...	1315	38	355	7.1	28.5	1.7					
		16...	1630	37	368	7.1	30.5	.8					
		16...	1955	36	380	7.3	30.0	.7					
		16...	2225	35	378	6.5	29.0	.8					
		17...	0055	35	386	7.3	28.5	.8					
		17...	0320	34	386	7.3	28.0	.9					
		17...	0745	31	385	7.1	27.0	.9					
		17...	1030	31	398	7.0	27.5	.8					
		17...	1330	30	399	7.0	28.5	.5					
		17...	1630	30	399	7.1	29.5	.4					
		17...	1920	29	408	7.3	29.5	.5					
		17...	2120	29	410	7.1	29.5	.5					
		18...	0140	28	416	7.2	28.0	1.1					
		18...	0405	28	475	6.5	28.0	1.0					
		18...	0900	28	421	7.0	27.0	.6					
DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	
AUG													
16...	0815	320	20	390	6000	.07	.97	7.5	8.5	8.6	38	1.2	
16...	1315	320	24	470	2100	.08	4.8	4.0	8.8	8.9	39	1.2	
16...	1955	320	22	1300	2100	.15	5.0	4.1	9.1	9.3	41	1.2	
17...	0055	320	22	810000	6600	.08	5.1	3.9	9.0	9.1	40	1.3	
17...	0745	320	29	>10000	82000	.03	4.9	4.2	9.1	9.1	40	1.3	
17...	1330	320	27	>10000	1300	.03	5.1	4.9	10	10	44	1.3	
17...	1920	320	24	>6000	82700	.03	5.3	4.3	9.6	9.6	43	1.2	
18...	0140	320	26	>6000	8900	.03	5.7	4.2	9.9	9.9	44	1.3	
18...	0800	320	24	>6000	6200	.03	6.0	5.0	11	11	49	1.4	

02474200 - TALLAHALA CREEK AT ELLISVILLE, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPE-CIFIC CONDUCTANCE (MICRO-MHUS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
AUG						
15...	1900	--	255	--	30.5	--
15...	2000	--	253	--	30.0	--
15...	2100	--	250	--	30.0	--
15...	2200	--	249	--	29.5	--
15...	2300	--	249	--	29.0	--
15...	2400	--	249	--	29.0	--

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

TALLAHALA CREEK--CONTINUED

02474200 - TALLAHALA CREEK AT ELLISVILLE, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
AUG						
16...	0100	--	248	--	29.0	--
16...	0200	--	250	--	28.5	--
16...	0300	--	252	--	28.5	--
16...	0400	--	254	--	28.5	--
16...	0500	--	256	--	28.0	--
16...	0600	--	257	--	27.5	--
16...	0700	--	258	--	27.5	--
16...	0800	--	259	--	27.0	--
16...	0845	61	263	7.2	27.0	4.0
16...	0900	61	263	--	27.0	--
16...	1000	61	265	--	27.5	--
16...	1100	61	267	--	28.0	--
16...	1200	61	270	--	28.5	--
16...	1300	61	272	--	29.0	--
16...	1400	61	276	7.2	29.5	3.7
16...	1500	61	275	--	30.0	3.6
16...	1600	59	276	--	30.5	3.5
16...	1645	59	275	7.1	30.5	3.5
16...	1700	59	276	--	30.5	3.4
16...	1800	59	277	--	30.0	3.4
16...	1900	59	278	--	30.0	3.4
16...	2000	59	278	--	30.0	3.4
16...	2050	59	281	7.3	29.5	3.4
16...	2100	58	280	--	29.5	3.4
16...	2200	58	280	--	29.5	3.3
16...	2300	58	281	--	29.5	3.2
16...	2325	58	283	7.2	29.0	3.2
16...	2400	58	282	--	29.0	3.1
17...	0100	58	281	--	29.0	3.0
17...	0145	58	278	7.2	28.5	2.9
17...	0200	58	282	--	28.5	2.8
17...	0300	58	282	--	28.5	2.6
17...	0400	56	282	--	28.0	2.4
17...	0405	56	283	7.3	28.0	2.4
17...	0500	55	282	--	28.0	2.8
17...	0600	55	280	--	27.5	3.0
17...	0700	55	278	--	27.5	3.2
17...	0800	53	275	--	27.0	3.3
17...	0830	53	275	7.2	27.0	3.4
17...	0900	53	274	--	27.0	3.4
17...	1000	53	276	--	27.5	3.6
17...	1100	55	276	7.2	28.0	3.6
17...	1200	55	276	--	29.0	3.3
17...	1300	53	274	--	29.5	3.0
17...	1400	53	274	7.2	29.5	2.6
17...	1500	53	275	--	29.5	2.6
17...	1600	52	277	--	29.5	2.5
17...	1645	52	280	7.3	29.5	2.5
17...	1700	52	281	--	29.5	2.5
17...	1800	50	281	--	29.5	2.6
17...	1900	49	281	--	29.5	2.6
17...	1945	49	280	7.3	29.5	2.6
17...	2000	49	279	--	29.5	2.7
17...	2100	50	278	--	29.0	2.8
17...	2145	52	277	7.1	28.5	2.8
17...	2200	52	278	--	28.5	2.8
17...	2300	52	278	--	28.5	3.0
17...	2400	52	279	--	28.5	3.1

TALLAHALA CREEK--CONTINUED

02474200 - TALLAHALA CREEK AT ELLISVILLE, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHUS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
AUG						
18...	0100	52	280	--	28.0	3.3
18...	0200	52	281	--	28.0	3.4
18...	0210	52	285	7.2	28.0	3.4
18...	0300	52	285	--	28.0	3.3
18...	0400	50	286	--	27.5	3.2
18...	0430	50	287	7.3	27.5	3.1
18...	0500	50	288	--	27.5	3.1
18...	0600	50	289	--	27.0	3.0
18...	0700	50	290	--	27.0	2.9
18...	0800	50	291	--	27.0	2.8
18...	0930	50	292	7.2	27.0	2.8
18...	0900	50	292	--	27.0	3.0
18...	1000	50	292	--	27.5	3.6
18...	1030	50	292	7.1	27.5	3.8
18...	1100	50	292	--	27.5	3.7
18...	1200	50	293	--	27.5	3.5
18...	1230	50	293	7.3	27.5	3.4
18...	1300	58	292	--	27.5	3.5
18...	1400	66	290	--	28.0	3.7
18...	1500	71	286	--	28.5	3.9
18...	1600	78	271	7.3	28.0	4.2
18...	1700	75	258	--	28.0	4.3
18...	1800	69	228	--	28.0	4.4
18...	1830	65	259	7.1	27.5	4.4
18...	1900	65	263	--	27.5	4.4
18...	2000	66	269	--	27.5	4.5
18...	2100	66	268	--	27.5	4.7
18...	2120	66	268	7.2	27.0	4.7
18...	2200	99	261	--	27.0	4.8
18...	2300	140	242	--	27.0	4.9
18...	2400	181	211	--	27.0	5.0
19...	0055	224	185	7.0	27.0	5.1
19...	0100	235	182	--	27.0	5.1
19...	0200	283	176	--	27.0	5.2
19...	0250	327	172	6.9	27.0	5.3
19...	0300	--	171	--	27.0	5.3
19...	0400	--	158	--	27.0	5.3
19...	0500	--	151	--	27.0	5.2
19...	0600	--	143	--	27.5	5.1

DATE	TIME	COLOR (PLATINUM-COBALT UNITS)	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLIFORMS (COL./100 ML)	FECAL STREPTOCOCCI (COL./100 ML)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
AUG												
16...	0845	300	9.2	810	320	.18	3.8	3.0	6.8	7.0	31	1.2
16...	1400	150	13	800	320	.19	4.0	1.9	5.9	6.1	27	1.3
16...	2050	300	12	87600	790	.19	4.1	1.6	5.7	5.9	26	1.3
17...	0145	200	9.6	82800	660	.16	4.2	1.8	6.0	6.2	27	1.2
17...	0830	300	11	84200	1100	.16	4.0	4.1	8.1	8.3	37	1.1
17...	1400	300	12	85000	3700	.20	3.7	2.8	6.5	6.7	30	1.2
17...	1945	300	8.4	87000	83100	.23	4.1	2.5	6.6	6.8	30	1.2
18...	0210	300	8.8	84700	860	.14	4.0	1.3	5.3	5.4	24	1.2
18...	0830	300	9.2	86000	81400	.15	4.0	3.7	7.7	7.9	35	1.2
18...	1230	300	8.8	86000	600	.15	3.8	3.5	7.3	7.5	33	1.2
18...	1830	200	8.2	84000	4100	.25	.50	5.5	6.0	6.3	28	1.1
19...	0055	120	6.7	82200	3000	.17	2.0	1.8	3.8	4.0	18	.69

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

TALLAHALA CREEK--CONTINUED

02474200 - TALLAHALA CREEK AT ELLISVILLE, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	TUR- RID- ITY (NTU)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CAC03 (MG/L)
AUG 18...	1600	20	95	41	0	13	2.1	2.1	88	0	72

DATE	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	
AUG 18...	14	17	14	174	.24	36.6	1	0	0	<10	60

DATE	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL COBALT (CO) (UG/L)	TOTAL COBALT IN BOTTOM MA- TERIAL (UG/G)	TOTAL COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)
AUG 18...	<10	4	<10	3	<10	3700	180	14	<10	350

DATE	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
AUG 18...	80	.0	.0	0	0	10	100	8.2	0	2

TALLAHALA CREEK--CONTINUED

02474200 - TALLAHALA CREEK AT ELLISVILLE, MS.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)
AUG 18...	.0	3	.00	.00	.2	.0	0	.00	.4	.00	.0	.00
DATE	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	
AUG 18...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	
DATE	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL PARA- THION (UG/L)	
AUG 18...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	
DATE	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	2,4-D IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4,5-T (UG/L)	2,4,5-T IN BOTTOM MA- TERIAL (UG/KG)	TOTAL SILVEX (UG/L)	SILVEX IN BOTTOM MA- TERIAL (UG/KG)	
AUG 18...	.0	0	0	.00	.0	.00	0	.10	0	.00	0	

BLACK CREEK

An intensive study of the quality of water in Black Creek was made in the Purvis, Mississippi area in September 1977. Water samples were collected at approximately 6-hour intervals and water quality field determination were made every 3 hours at 4 sites on Black Creek and its tributaries near Purvis. Field sampling was terminated prior to completion of the study because of heavy rains. Listed below are site locations and results of laboratory and field determinations made during the study.

02479098 - BLACK CREEK NR OKAHOLA, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
SEP						
26...	1645	49	28	6.8	24.0	6.3
26...	1700	49	27	--	24.0	6.3
26...	1800	49	27	--	24.0	6.3
26...	1900	49	27	--	24.0	6.3
26...	2000	48	26	--	24.0	6.3
26...	2100	48	26	--	24.0	6.4
26...	2200	48	26	--	24.0	6.4
26...	2300	47	25	--	23.5	6.4
26...	2400	47	25	--	23.5	6.4
27...	0100	47	25	--	23.5	6.4
27...	0200	46	24	--	23.5	6.4
27...	0300	46	24	--	23.5	6.4
27...	0400	46	24	--	23.5	6.4
27...	0500	45	23	--	23.5	6.4
27...	0600	45	22	--	23.5	6.5
27...	0700	44	21	7.0	23.0	6.5
27...	0800	44	21	--	23.0	6.3
27...	0900	44	21	--	23.0	6.1
27...	0930	44	21	6.8	23.0	5.9
27...	1000	44	21	--	23.5	6.0
27...	1100	44	21	--	23.5	6.1
27...	1200	44	22	--	23.5	6.2
27...	1245	44	22	7.3	23.5	6.3
27...	1300	44	22	--	24.0	6.3
27...	1400	44	22	--	24.0	6.2
27...	1500	44	22	--	24.0	6.1
27...	1545	44	22	7.2	24.5	6.1
27...	1600	44	22	--	24.0	6.2
27...	1700	44	22	--	24.0	6.3
27...	1800	44	22	7.0	23.5	6.5
27...	1900	44	22	--	23.5	6.4
27...	2000	44	22	--	23.5	6.3
27...	2100	44	22	6.3	23.5	6.2
27...	2200	44	23	--	23.5	6.1
27...	2300	44	24	--	23.5	6.0
27...	2400	43	25	--	23.5	6.0
28...	0015	43	26	6.0	23.5	5.5
28...	0100	43	25	--	23.5	6.0
28...	0200	43	24	--	23.5	6.1
28...	0300	43	22	6.2	23.5	6.2
28...	0400	43	22	--	23.5	6.3
28...	0500	43	22	--	23.5	6.5
28...	0600	42	23	--	23.0	6.7
28...	0700	42	24	6.1	23.0	6.8
28...	0800	42	24	--	23.0	6.9
28...	0900	42	24	--	23.0	7.0
28...	1000	41	24	--	23.0	7.1
28...	1045	41	24	6.1	23.0	7.3
28...	1100	41	24	--	23.5	7.3
28...	1200	41	24	--	23.5	7.4
28...	1300	41	24	--	23.5	7.4
28...	1400	41	23	--	23.5	7.5
28...	1415	41	23	6.5	23.5	7.5
28...	1500	41	23	--	24.0	7.4
28...	1600	41	23	6.6	23.5	7.1

BLACK CREEK--CONTINUED

02479098 - BLACK CREEK NR OKAHOLA, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NITRITE PLUS NITRATE (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
SEP												
27...	0700	30	.1	130	1600	.07	.01	.27	.28	.35	1.6	.01
27...	1245	20	.5	896	480	.08	.02	.47	.49	.57	2.5	.01
27...	1800	20	2.7	160	370	.07	.03	.37	.40	.47	2.1	.02
28...	0015	20	2.0	8120	440	.08	.06	.76	.82	.90	4.0	.02
28...	0700	20	.4	120	320	.07	.01	.23	.24	.31	1.4	.03
28...	1415	20	1.1	>6000	580	.08	.02	.46	.48	.56	2.5	.01
28...	1900	25	3.1	>6000	>10000	.11	.07	.63	.70	.81	3.6	.04
29...	0050	40	4.5	811000	820000	.18	.10	.89	.99	1.2	5.2	.08

311232089244900 - MIXON CREEK NR OKAHOLA, MS.

024790987

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
SEP												
28...	0745	15	.4	410	450	.05	.00	.29	.29	.34	1.5	.02
28...	1345	15	.5	>6000	530	.05	.00	.32	.32	.37	1.6	.08
28...	1915	50	3.3	>6000	>10000	.21	.11	1.2	1.3	1.5	6.7	.17
29...	0100	35	4.1	811000	824000	.17	.02	.68	.70	.87	3.9	.10

02479099 - SANDY RUN AT OKAHOLA, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
SEP												
28...	0645	20	.3	350	760	.07	.01	.34	.35	.42	1.9	.02
28...	1300	20	.8	>6000	280	.07	.01	.32	.33	.40	1.8	.02
28...	1845	30	3.3	88000	818000	.12	.12	.63	.75	.87	3.9	.08
29...	0045	50	3.7	811000	816000	.21	.04	.77	.81	1.0	4.5	.04

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

BLACK CREEK--CONTINUED

311114089230200 - BLACK CREEK IRIB NO. 1 NR OKAHOLA, MS. 024790995

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

				INSTAN- TANEOUS DIS- CHARGE (CFS)		SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)		PH (UNITS)		TEMPER- ATURE (DEG C)		DIS- SOLVED OXYGEN (MG/L)				
		DATE	TIME													
SEP																
		28...	0615	2.9	679	6.5	27.0	5.7								
		28...	0900	3.0	662	6.5	27.0	5.4								
		28...	1215	2.9	601	6.5	29.0	5.9								
		28...	1500	2.9	625	6.6	30.0	7.3								
		CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (5 DAY 5 COL./ 100 ML)	FECAL COLI- FORM 7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCI KF AGAR (COL. PER 100 ML)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N03) (MG/L)	TOTAL NITRO- GEN (P) (MG/L)				
DATE	TIME															
SEP																
28...	0615	25	3.7	1200	2900	.53	5.5	5.5	11	12	51	.08				
28...	1215	35	4.2	>6000	4000	.60	5.4	1.0	6.4	7.0	31	.03				
28...	1800	35	3.9	3300	815000	.35	4.4	3.3	7.7	8.1	36	.13				
29...	0015	30	5.4	960	4400	.18	7.3	2.6	9.9	10	45	.06				

02479100 - BLACK CREEK NR PURVIS, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
SEP						
26...	1540	66	60	7.3	24.0	7.1
26...	1600	66	60	--	--	7.1
26...	1700	66	61	--	--	7.1
26...	1800	66	61	--	--	7.0
26...	1900	65	61	--	--	7.0
26...	2000	65	60	--	--	6.9
26...	2100	65	60	--	--	6.9
26...	2200	65	59	--	--	6.8
26...	2300	64	58	--	--	6.8
26...	2400	64	60	--	--	6.8
27...	0100	64	60	--	--	6.7
27...	0200	64	61	--	--	6.7
27...	0300	63	62	--	--	6.6
27...	0400	63	62	--	--	6.6
27...	0500	63	62	--	--	6.6
27...	0600	63	62	--	--	6.7
27...	0615	63	65	7.3	23.5	6.7
27...	0700	62	64	--	23.5	6.7
27...	0800	62	64	--	23.5	6.6
27...	0900	62	64	7.3	23.5	6.5
27...	1000	61	64	--	23.5	6.5
27...	1100	61	63	--	24.0	6.6
27...	1200	61	63	6.8	24.5	6.6
27...	1300	61	63	--	24.5	6.5
27...	1400	61	64	--	24.5	6.4
27...	1500	61	64	6.9	25.0	6.2
27...	1600	61	64	--	25.0	6.2
27...	1700	61	64	--	25.0	6.4
27...	1800	61	65	--	25.0	6.5
27...	1830	61	65	6.6	24.5	6.5
27...	1900	61	65	--	24.5	6.5
27...	2000	61	65	--	24.5	6.4
27...	2100	61	65	--	24.0	6.3
27...	2130	61	65	6.2	24.0	6.3
27...	2200	61	65	--	24.0	6.3
27...	2300	61	65	--	24.0	6.4
27...	2400	61	65	--	24.0	6.4

BLACK CREEK--CONTINUED

02479100 - BLACK CREEK NR PURVIS, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

				INSTAN- TANEOUS DIS- CHARGE (CFS)		SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)		PH (UNITS)		TEMPER- ATURE (DEG C)		DIS- SOLVED OXYGEN (MG/L)	
		DATE		TIME									
SEP													
28...		0030		61		65		6.2		24.0		6.5	
28...		0100		61		65		--		24.0		6.5	
28...		0200		60		63		--		23.5		6.4	
28...		0300		60		63		--		23.5		6.3	
28...		0325		60		63		6.4		23.5		6.3	
28...		0400		59		63		--		23.5		6.3	
28...		0500		59		63		--		23.5		6.3	
28...		0600		58		65		--		23.5		6.2	
28...		0630		58		65		6.5		23.5		6.2	
28...		0700		58		65		--		23.5		6.2	
28...		0800		58		65		--		23.5		6.3	
28...		0900		58		64		--		23.5		6.4	
28...		0930		58		64		6.6		23.5		6.5	
28...		1000		58		64		--		23.5		6.5	
28...		1100		58		64		--		23.5		6.5	
28...		1200		58		64		--		24.0		6.6	
28...		1245		58		64		6.7		24.0		6.6	
28...		1300		58		64		--		24.0		6.8	
28...		1400		58		64		--		24.5		7.0	
28...		1500		58		64		--		25.0		7.4	
28...		1515		58		64		6.8		25.0		7.6	
		CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM 7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	
SEP													
27...	0615	20	.3	130	440	.12	.19	.34	.53	.65	2.9	.03	
27...	1200	20	.8	100	300	.12	.23	.31	.54	.66	2.9	.03	
27...	1830	20	1.2	220	420	.13	.26	.45	.71	.84	3.7	.04	
28...	0030	20	1.1	130	410	.13	.26	.53	.79	.92	4.1	.03	
28...	0630	20	.4	200	380	.12	.26	.10	.36	.48	2.1	.02	
28...	1245	20	.7	810000	1000	.13	.22	.35	.57	.70	3.1	.02	
28...	1815	20	1.8	1200	6000	.16	.38	.27	.65	.81	3.6	.04	
29...	0025	30	2.6	3700	814000	.12	.73	.67	1.4	1.5	6.7	.04	

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

PASCAGOULA AND ESCATAWPA RIVERS

An intensive study of the quality of water in the Pascagoula and Escatawpa Rivers was made in May 1977. Water samples were collected at approximately 1-mile intervals on the Pascagoula and Escatawpa Rivers at low and high tides. Samples were collected in the tidal zone beginning at the mouth of the Pascagoula River and extending 11 miles up the Pascagoula River and 7 miles up the Escatawpa River. Listed below are site locations and results of laboratory and field determinations made during the study.

30282208332500 - PASCAGOULA RIVER AT MI 11

024793422

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAY						
17...	1131	1.0	60	6.6	24.5	7.3
17...	1132	5.0	58	6.6	24.5	6.9
17...	1133	10	58	6.6	24.5	6.8
17...	1134	15	58	6.7	24.5	6.8
17...	1135	20	58	6.7	24.5	6.6
17...	1916	1.0	60	6.8	24.5	7.1
17...	1917	5.0	60	6.8	24.5	7.0
17...	1918	10	60	6.7	24.5	6.9
17...	1919	15	60	6.7	24.5	6.8
17...	1920	20	60	6.7	24.5	6.8
18...	1001	1.0	60	6.9	25.0	7.3
18...	1002	5.0	60	6.9	24.5	6.7
18...	1003	10	60	7.0	24.5	6.9
18...	1004	15	60	7.0	24.5	6.9
18...	1005	20	60	7.0	24.5	6.8
18...	1831	1.0	72	7.2	25.0	7.1
18...	1832	5.0	68	7.2	25.0	6.9
18...	1833	10	68	7.3	25.0	7.0
18...	1834	15	69	7.3	25.0	6.8
18...	1835	20	68	7.3	25.0	6.8

DATE	TIME	TUR- BIO- IDY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY							
17...	1130	10	.7	27	130	22	.16
17...	1915	10	.6	813	360	22	.14
18...	1000	--	.4	--	--	--	--
18...	1830	--	.5	--	--	--	--

DATE	TIME	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N03) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY								
17...		.01	.26	.27	.43	1.9	.05	4.7
17...		.01	.37	.38	.52	2.3	.04	7.0
18...		.01	.39	.40	--	--	--	--
18...		.00	.51	.51	--	--	--	--

PASCAGOULA AND ESCATAWPA RIVERS--CONTINUED

302725088333700 - PASCAGOULA RIVER AT MI 10

024793427

WATER QUALITY DATA: WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAY						
17...	1116	1.0	60	6.6	24.5	7.1
17...	1117	5.0	60	6.7	24.0	6.7
17...	1118	10	140	6.7	24.0	6.5
17...	1119	15	1000	6.7	24.0	5.5
17...	1120	20	10000	6.7	24.0	5.0
17...	1901	1.0	150	7.3	24.5	7.2
17...	1902	5.0	150	7.2	25.0	6.9
17...	1903	10	190	7.0	25.0	6.8
17...	1904	15	220	6.9	25.0	6.8
17...	1905	20	12000	6.6	24.0	3.8
18...	0956	1.0	70	6.8	25.0	7.3
18...	0957	5.0	70	6.9	24.5	7.0
18...	0958	10	80	6.8	24.5	6.7
18...	0959	15	8000	6.6	24.5	5.5
18...	1821	1.0	120	7.4	25.0	7.6
18...	1822	5.0	120	7.3	25.0	7.5
18...	1823	10	280	7.2	25.0	7.3
18...	1824	15	400	7.0	25.0	7.1
18...	1825	20	5000	6.9	24.5	5.2

DATE	TIME	TUR- BID- ITY (NTU)	DIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY							
17...	1115	10	.5	96	160	31	.16
17...	1900	9.0	.3	82100	570	40	.14
18...	0955	--	.3	--	--	--	--
18...	1820	--	1.0	--	--	--	--

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY							
17...	.02	.48	.50	.66	2.9	.05	5.7
17...	.02	.74	.76	.90	4.0	.04	6.6
18...	.02	.53	.55	--	--	--	--
18...	.02	.64	.66	--	--	--	--

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

PASCAGOULA AND ESCATAWPA RIVERS--CONTINUED

30264808A340600 - PASCAGOULA RIVER AT MI 9

024793428

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	
MAY							
17...	1101	1.0	62	6.6	24.5	7.2	
17...	1102	5.0	64	6.6	24.5	7.1	
17...	1103	10	7500	7.4	24.5	5.7	
17...	1104	15	16500	7.3	24.0	4.5	
17...	1105	20	18500	7.3	24.0	3.4	
17...	1846	1.0	800	7.3	25.0	7.4	
17...	1847	5.0	800	7.2	25.0	7.2	
17...	1848	10	800	7.1	25.0	7.1	
17...	1849	15	1000	7.1	25.0	7.2	
17...	1850	20	15500	6.7	24.0	3.8	
17...	1851	25	20000	6.8	24.0	3.2	
17...	1852	30	20000	6.9	24.0	3.0	
18...	0946	1.0	155	6.9	24.5	7.1	
18...	0947	5.0	150	6.9	24.5	6.9	
18...	0948	10	1000	7.0	25.0	5.8	
18...	0949	15	12000	6.9	25.0	5.0	
18...	0950	20	17000	6.9	24.5	4.1	
18...	0951	25	20000	6.8	24.0	3.0	
18...	0952	30	20000	6.8	23.5	2.7	
18...	1811	1.0	900	7.2	25.5	7.6	
18...	1812	5.0	1500	7.2	25.5	7.1	
18...	1813	10	1800	7.1	25.5	6.9	
18...	1814	15	2300	7.1	25.0	6.4	
18...	1815	20	13000	7.0	24.5	4.1	
18...	1816	25	18000	6.9	24.5	3.5	
DATE	TIME	TUR- BID- ITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY							
17...	1100	4.0	.5	600	150	26	.15
17...	1845	5.0	.2	82200	500	26	.14
18...	0945	--	.7	--	--	--	--
18...	1810	--	1.0	--	--	--	--
DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY							
17...	.04	.49	.53	.68	3.0	.04	6.1
17...	.07	.45	.52	.66	2.9	.04	7.1
18...	.14	.47	.61	--	--	--	--
18...	.04	.80	.84	--	--	--	--

PASCAGOULA AND ESCATAWPA RIVERS--CONTINUED

02479343 - PASCAGOULA RIVER AT MI 8 NR ESCATAWPA, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAY						
17...	1046	1.0	1000	7.3	24.5	6.7
17...	1047	5.0	9500	7.2	24.5	6.4
17...	1048	10	12000	7.3	24.5	5.4
17...	1049	15	17500	7.2	24.5	4.4
17...	1050	20	22000	7.1	24.0	3.8
17...	1051	25	22000	7.1	23.5	2.6
17...	1831	1.0	1400	7.7	25.5	7.3
17...	1832	5.0	1400	7.5	25.5	7.2
17...	1833	10	4000	7.1	25.0	6.3
17...	1834	15	15000	7.0	24.5	5.1
17...	1835	20	20000	7.0	24.5	4.6
17...	1836	25	25000	7.1	24.0	3.6
18...	0936	1.0	800	6.9	24.5	7.0
18...	0937	5.0	1000	6.8	24.5	6.6
18...	0938	10	6000	6.6	25.0	5.8
18...	0939	15	13500	6.6	25.0	4.9
18...	0940	20	17500	6.7	25.0	4.6
18...	0941	25	25000	6.9	24.0	2.9
18...	0942	30	26000	6.9	24.0	2.7
18...	1801	1.0	1300	7.2	26.0	7.3
18...	1802	5.0	1600	7.2	25.5	7.1
18...	1803	10	2500	7.2	25.5	6.8
18...	1804	15	11500	7.1	24.5	4.7
18...	1805	20	17000	7.1	24.5	4.4
18...	1806	25	24000	7.1	24.5	3.3

DATE	TIME	TUR- BID- ITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY							
17...	1045	9.0	.6	820	540	58	.12
17...	1830	10	.3	230	500	25	.13
18...	0935	--	.4	--	--	--	--
18...	1800	--	1.1	--	--	--	--

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY							
17...	.11	.36	.47	.59	2.6	.06	5.6
17...	.08	1.0	1.1	1.2	5.4	.04	7.0
18...	.13	.69	.82	--	--	--	--
18...	.12	1.2	1.3	--	--	--	--

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

PASCAGOULA AND ESCATAWPA RIVERS--CONTINUED

302526098333600 - PASCAGOULA RIVER AT MI 7

024793431

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

		SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)		
DATE	TIME							
MAY								
17...	1031	1.0	2400	7.7	24.5	7.1		
17...	1032	5.0	6000	7.7	24.5	6.6		
17...	1033	10	15000	7.8	24.5	5.6		
17...	1034	15	29000	7.8	24.0	3.8		
17...	1816	1.0	2000	7.7	25.0	7.2		
17...	1817	5.0	3000	7.5	25.0	7.1		
17...	1818	10	5000	7.4	25.0	7.0		
17...	1819	15	20000	7.1	25.0	6.5		
18...	0931	1.0	1400	6.9	25.5	7.2		
18...	0932	5.0	3000	6.7	24.5	6.7		
18...	0933	10	10000	6.6	25.0	5.7		
18...	0934	15	19000	6.9	25.0	4.6		
18...	1751	1.0	2300	7.4	25.5	7.3		
18...	1752	5.0	4000	7.3	25.5	6.9		
18...	1753	10	5500	7.3	25.5	6.5		
18...	1754	15	9000	7.2	25.0	5.1		
		TUR- BID- ITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	
DATE	TIME							
MAY								
17...	1030	4.0	1.1	390	340	34	.12	
17...	1815	7.0	.5	300	710	19	.14	
18...	0930	--	.8	--	--	--	--	
18...	1750	--	.8	--	--	--	--	
		TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
DATE	TIME							
MAY								
17...	.09	.51	.60	.72	3.2	.05	--	
17...	.04	.80	.84	.98	4.3	.03	6.3	
18...	.09	.51	.60	--	--	--	--	
18...	.07	.64	.71	--	--	--	--	

PASCAGOULA AND ESCATAWPA RIVERS--CONTINUED

02480184 - ESCATAWPA RIVER AT MI 8 NR MOSS POINT, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAY						
17...	1501	1.0	48	6.4	25.0	6.6
17...	1502	5.0	75	6.2	24.0	6.1
17...	1503	10	170	6.0	23.5	6.4
17...	1504	15	190	5.9	23.5	6.1
17...	2216	1.0	48	6.2	23.5	6.7
17...	2217	5.0	48	6.2	23.5	6.7
17...	2218	10	45	6.3	23.5	6.6
17...	2219	15	45	6.3	23.5	6.6
18...	1151	1.0	150	6.8	25.0	6.1
18...	1152	5.0	240	6.7	24.5	6.2
18...	1153	10	800	6.6	24.0	5.9
18...	1154	15	2100	6.5	24.0	5.4
18...	2031	1.0	48	6.8	24.0	6.8
18...	2032	5.0	45	6.8	24.0	6.8
18...	2033	10	45	6.9	24.0	6.8
18...	2034	15	45	7.0	24.0	6.7

DATE	TIME	TUR- BID- ITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY							
17...	1500	6.0	.1	400	300	13	.11
17...	2215	6.0	.1	120	140	4	.14
18...	1150	--	.3	--	--	--	--
18...	2030	--	.9	--	--	--	--

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY							
17...	.03	.60	.63	.74	3.3	.01	7.0
17...	.03	.25	.28	.42	1.9	.01	6.4
18...	.05	.46	.51	--	--	--	--
18...	.01	.53	.54	--	--	--	--

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

PASCAGOULA AND ESCATAWPA RIVERS--CONTINUED

302541088290100 - ESCATAWPA RIVER AT MI 7

024802053

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAY						
17...	1446	1.0	1100	6.8	24.5	6.5
17...	1447	5.0	1200	6.5	24.5	6.2
17...	1448	10	1400	6.2	24.5	6.0
17...	1449	15	5000	6.1	24.0	5.1
17...	1450	20	13000	6.2	23.5	2.8
17...	1451	25	14000	6.3	23.5	2.6
17...	1452	30	14500	6.4	23.5	2.5
17...	2201	1.0	50	6.5	24.0	6.6
17...	2202	5.0	60	6.2	24.0	6.6
17...	2203	10	60	6.1	24.0	6.5
17...	2204	15	50	6.0	24.0	6.5
17...	2205	20	50	5.9	24.0	6.4
17...	2206	25	65	5.9	24.0	6.4
17...	2207	30	70	5.8	24.0	6.2
17...	2208	35	1000	5.5	24.0	6.2
17...	2209	40	15000	6.0	23.5	2.1
18...	1141	1.0	1300	6.7	24.5	6.5
18...	1142	5.0	2500	6.7	24.0	5.8
18...	1143	10	3500	6.8	24.0	5.5
18...	1144	15	10000	6.6	24.0	3.4
18...	1145	20	13500	6.6	24.0	3.0
18...	1146	25	14000	6.6	23.5	2.9
18...	1147	30	14500	6.6	23.5	2.8
18...	1148	35	14500	6.6	23.5	2.6
18...	2016	1.0	1000	6.5	24.5	6.4
18...	2017	5.0	1000	6.5	24.5	6.3
18...	2018	10	1100	6.4	24.5	6.2
18...	2019	15	1400	6.7	24.5	6.2
18...	2020	20	1400	6.8	24.5	6.2
18...	2021	25	1400	6.7	24.5	6.1
18...	2022	30	1400	6.7	24.5	5.9
18...	2023	35	15000	6.6	24.0	2.3

DATE	TIME	TUR- BID- ITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY							
17...	1445	5.0	.7	86300	>2000	21	.12
17...	2200	3.0	.3	818000	82200	27	.11
18...	1140	--	.7	--	--	--	--
18...	2015	--	.7	--	--	--	--

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY							
17...	.19	.46	.65	.77	3.4	.04	6.2
17...	.13	.50	.63	.74	3.3	.02	6.0
18...	.20	.70	.90	--	--	--	--
18...	.03	.68	.71	--	--	--	--

PASCAGOULA AND ESCATAWPA RIVERS--CONTINUED

30251208R292200 - ESCATAWPA RIVER AT MI 6

024902054

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAY						
17...	1431	1.0	900	6.8	25.5	6.2
17...	1432	5.0	1900	6.6	24.5	5.8
17...	1433	10	4800	6.4	24.0	5.0
17...	1434	15	17000	6.5	24.0	3.4
17...	2146	1.0	1200	6.7	24.0	6.5
17...	2147	5.0	1200	6.5	24.0	6.2
17...	2148	10	1500	6.4	24.0	6.1
17...	2149	15	3600	6.3	24.0	5.7
18...	1131	1.0	350	6.9	25.0	6.5
18...	1132	5.0	700	6.9	24.5	6.2
18...	1133	10	6000	6.8	24.5	4.1
18...	1134	15	19000	6.6	24.0	2.1
18...	2011	1.0	2800	6.9	24.5	5.8
18...	2012	5.0	3000	6.9	24.5	5.6
18...	2013	10	4000	7.0	24.5	5.4
18...	2014	15	7000	7.0	24.5	4.6

DATE	TIME	TUR- BID- ITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM 7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY							
17...	1430	3.0	.6	84100	89300	31	.09
17...	2145	4.0	.2	83300	680	13	.11
18...	1130	--	.8	--	--	--	--
18...	2010	--	.5	--	--	--	--

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY							
17...	.16	.58	.74	.83	3.7	.05	7.0
17...	.07	.55	.62	.73	3.2	.02	6.1
18...	.14	.50	.64	--	--	--	--
18...	.08	.63	.71	--	--	--	--

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

PASCAGOULA AND ESCATAWPA RIVERS--CONTINUED

30251508A301300 - ESCATAWPA RIVER AT MI 5

024802055

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

		SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)		
DATE	TIME							
MAY								
17...	1416	1.0	3000	7.2	25.0	6.0		
17...	1417	5.0	3100	7.2	25.0	5.6		
17...	1418	10	11000	7.0	24.5	5.4		
17...	1419	15	20000	6.8	24.5	4.4		
17...	1420	20	23000	6.8	24.0	3.5		
17...	1421	23	23000	6.8	23.5	2.5		
17...	2131	1.0	3000	6.7	24.0	5.8		
17...	2132	5.0	3000	6.6	24.0	5.7		
17...	2133	10	3600	6.5	24.0	5.5		
17...	2134	15	5000	6.5	24.0	5.3		
17...	2135	20	24000	6.5	23.5	2.3		
18...	1121	1.0	2000	7.0	24.5	6.6		
18...	1122	5.0	2800	7.0	24.5	5.5		
18...	1123	10	6000	7.0	24.5	4.1		
18...	1124	15	15000	6.9	24.0	3.6		
18...	1125	20	20000	6.8	24.0	2.4		
18...	1126	25	22000	6.8	23.5	1.3		
18...	1127	30	24000	6.7	23.0	1.1		
18...	2001	1.0	4500	7.1	24.5	5.3		
18...	2002	5.0	4500	7.1	24.5	5.2		
18...	2003	10	6000	7.1	24.5	4.6		
18...	2004	15	7000	7.1	24.5	4.4		
		TUR- BID- ITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	
DATE	TIME							
MAY								
17...	1415	5.0	1.1	89400	85200	16	.09	
17...	2130	6.0	.7	85800	660	15	.10	
18...	1120	--	1.4	--	--	--	--	
18...	2000	--	1.0	--	--	--	--	
		TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
DATE	TIME							
MAY								
17...	.19	.60	.79	.88	3.9	.04	5.7	
17...	.13	.57	.70	.80	3.5	.02	7.0	
18...	.28	.56	.84	--	--	--	--	
18...	.13	.38	.51	--	--	--	--	

PASCAGOULA AND ESCATAWPA RIVERS--CONTINUED

30252808304400 - ESCATAWPA RIVER AT MI 4

024802057

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAY						
17...	1401	1.0	3100	7.4	25.5	6.0
17...	1402	5.0	4500	7.2	25.5	5.6
17...	1403	10	17000	7.0	24.5	3.8
17...	1404	15	24000	7.0	24.0	2.8
17...	2116	1.0	4500	6.8	24.5	5.8
17...	2117	5.0	4500	6.7	24.5	5.2
17...	2118	10	5500	6.6	24.0	5.1
17...	2119	15	18000	6.6	24.0	2.7
18...	1111	1.0	4500	6.8	27.0	3.5
18...	1112	5.0	5500	6.9	25.0	4.5
18...	1113	10	11000	7.0	25.0	4.4
18...	1114	15	17000	7.0	24.5	3.8
18...	1115	20	24000	6.9	24.0	2.1
18...	1116	25	25000	6.9	23.5	1.7
18...	1951	1.0	5000	7.0	25.0	5.4
18...	1952	5.0	5800	6.9	24.5	4.8
18...	1953	10	8000	6.9	24.5	4.8
18...	1954	15	9000	6.9	24.5	3.6
18...	1955	20	18000	7.0	23.5	1.6
18...	1956	25	24000	7.0	23.5	1.2

DATE	TIME	TUR- BID- ITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY							
17...	1400	5.0	2.6	89800	82500	13	.09
17...	2115	4.0	.7	85300	1100	31	.09
18...	1110	--	2.2	--	--	--	--
18...	1950	--	3.7	--	--	--	--

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY							
17...	.24	.59	.83	.92	4.1	.05	7.1
17...	.20	.49	.69	.78	3.5	.04	6.3
18...	.30	.80	1.1	--	--	--	--
18...	.17	1.0	1.2	--	--	--	--

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

PASCAGOULA AND ESCATAWPA RIVERS--CONTINUED

3024550R8313100 - ESCATAWPA RIVER AT MI 3

024802061

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAY						
17...	1346	1.0	3000	7.2	26.5	6.4
17...	1347	5.0	5500	7.1	25.0	5.4
17...	1348	10	7800	6.9	24.0	3.9
17...	1349	15	8300	7.1	24.0	3.2
17...	2101	1.0	6000	6.9	24.5	5.3
17...	2102	5.0	6000	6.8	24.5	4.7
17...	2103	10	7500	6.7	24.5	4.3
17...	2104	15	14500	6.7	24.0	2.9
18...	1106	1.0	4500	6.9	25.0	5.7
18...	1107	5.0	6500	6.9	24.5	5.0
18...	1108	10	10000	6.9	24.5	4.1
18...	1109	15	19000	6.8	24.0	3.4
18...	1941	1.0	7500	6.9	25.5	4.8
18...	1942	5.0	7500	7.0	25.5	4.6
18...	1943	10	9500	6.9	25.0	4.0
18...	1944	15	16000	6.8	24.5	3.2
18...	1945	20	22000	6.7	24.0	2.4

DATE	TIME	TUR- BID- ITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL CULI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY							
17...	1345	5.0	.8	980	470	12	.12
17...	2100	30	1.3	82700	82000	80	.09
18...	1105	--	.8	--	--	--	--
18...	1940	--	1.5	--	--	--	--

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY							
17...	.12	.56	.68	.80	3.5	.04	7.4
17...	.20	1.2	1.4	1.5	6.6	.13	7.5
18...	.24	.64	.88	--	--	--	--
18...	.22	.75	.97	--	--	--	--

PASCAGOULA AND ESCATAWPA RIVERS--CONTINUED

302459088320800 - ESCATAWPA RIVER AT MI 2

024802064

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAY						
17...	1331	1.0	2200	7.3	26.0	7.0
17...	1332	5.0	3000	7.0	25.5	6.1
17...	1333	10	18000	6.9	24.5	5.0
17...	1334	15	26000	7.1	24.0	3.4
17...	2046	1.0	5500	6.9	25.5	5.7
17...	2047	5.0	6000	6.8	25.5	5.1
17...	2048	10	8000	6.7	25.0	4.3
17...	2049	15	20000	6.8	24.5	3.7
17...	2050	20	26000	6.8	23.5	2.1
18...	1056	1.0	4000	6.9	25.0	6.4
18...	1057	5.0	5000	6.9	25.0	5.2
18...	1058	10	9000	7.1	25.0	4.4
18...	1059	15	19000	7.0	24.5	4.1
18...	1100	20	25000	6.9	23.5	2.2
18...	1931	1.0	5500	7.0	26.5	5.4
18...	1932	5.0	6000	7.0	26.0	4.6
18...	1933	10	9000	7.0	25.0	4.4
18...	1934	15	16000	6.8	24.5	3.9
18...	1935	20	24000	6.8	24.0	2.3

DATE	TIME	TUR- BID- ITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM 7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY							
17...	1330	9.0	1.2	460	200	23	.09
17...	2045	30	1.0	85300	1200	122	.10
18...	1055	--	.9	--	--	--	--
18...	1930	--	1.3	--	--	--	--

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY							
17...	.11	.73	.84	.93	4.1	.05	7.5
17...	.21	.99	1.2	1.3	5.8	.16	6.7
18...	.17	1.1	1.3	--	--	--	--
18...	.20	.48	.68	--	--	--	--

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

PASCAGOULA AND ESCATAWPA RIVERS--CONTINUED

02480207 - ESCATAWPA RIVER AT MOSS POINT, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAY						
17...	1316	1.0	3000	7.4	26.0	6.6
17...	1317	5.0	3000	7.2	26.0	6.5
17...	1318	10	16000	7.0	25.0	5.4
17...	1319	15	21000	7.5	24.5	4.4
17...	1320	20	22000	7.5	24.0	4.0
17...	2031	1.0	3600	6.9	26.0	6.6
17...	2032	5.0	4000	6.7	26.5	6.0
17...	2033	10	8000	6.7	25.0	4.7
17...	2034	15	20000	6.8	24.5	3.7
17...	2035	20	26000	6.9	24.0	2.5
17...	2036	25	26000	7.1	23.5	2.5
17...	2037	30	26000	7.0	23.5	2.1
18...	1046	1.0	4800	7.1	25.0	6.4
18...	1047	5.0	6000	7.2	25.0	6.2
18...	1048	10	10000	7.1	25.0	5.7
18...	1049	15	18000	7.1	25.0	5.2
18...	1911	1.0	5000	7.1	27.5	6.1
18...	1912	5.0	5000	7.2	27.0	5.9
18...	1913	10	6000	7.2	25.5	4.6
18...	1914	15	15000	7.2	25.0	4.2
18...	1915	20	23000	7.1	24.0	2.7

DATE	TIME	TUR- BID- ITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY							
17...	1315	10	1.1	780	430	63	.08
17...	2030	10	.8	89100	1800	86	.10
18...	1045	--	.6	--	--	--	--
18...	1910	--	1.2	--	--	--	--
19...	1800	7.0	--	--	--	--	.10

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY							
17...	.08	.80	.88	.96	4.3	.09	7.8
17...	.18	.67	.85	.95	4.2	.09	7.7
18...	.08	.76	.84	--	--	--	--
18...	.16	.72	.88	--	--	--	--
19...	.14	1.1	1.2	1.3	5.8	.05	8.2

PASCAGOULA AND ESCATAWPA RIVERS--CONTINUED

02480207 - ESCATAWPA RIVER AT MOSS POINT, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LILITY AS CACO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)
MAY 19...	1800	70	840	820	56	170	24	0	20	1.5

DATE	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED SILICA (SIO2) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 140 C) (MG/L)	DIS- SOLVED SOLIDS (TONS AC-FT) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CAUDIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)
MAY 19...	340	2500	6.3	4600	6.26	1	5	0	<10	<10

DATE	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL COBALT (CO) (UG/L)	TOTAL COBALT IN BOTTOM MA- TERIAL (UG/G)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)
MAY 19...	<10	0	<10	9	<10	500	6300	12	20	120

DATE	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
MAY 19...	40	.0	3.0	0	0	40	50	23	2

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

PASCAGOULA AND ESCATAWPA RIVERS--CONTINUED

02480207 - ESCATAWPA RIVER AT MOSS POINT, MS.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)
MAY 19...	1800	.0	65	.00	.00	.0	.0	39	.00	8.0	.00	7.0

DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)
MAY 19...	.01	3.2	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL PARA- THION (UG/L)
MAY 19...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	2,4-D IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4,5-T (UG/L)	2,4,5-T IN BOTTOM MA- TERIAL (UG/KG)	TOTAL SILVEX (UG/L)	SILVEX IN BOTTOM MA- TERIAL (UG/KG)
MAY 19...	.0	0	0	.00	.0	.00	0	.00	0	.00	0

PASCAGOULA AND ESCATAWPA RIVERS--CONTINUED

02480208 - ESCATAWPA RIVER AT MI 0 NR ESCATAWPA, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

		SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)		
DATE	TIME							
MAY								
17...	1246	1.0	3000	7.5	26.0	7.0		
17...	1247	5.0	6000	7.3	26.0	6.9		
17...	1248	10	20000	7.3	25.0	5.5		
17...	1249	15	28000	7.7	24.0	4.2		
17...	1250	20	30000	7.7	24.0	4.0		
17...	1251	25	30000	7.6	24.0	3.5		
17...	2016	1.0	4500	7.2	26.5	7.0		
17...	2017	5.0	5000	7.0	26.5	6.9		
17...	2018	10	8000	6.9	26.0	6.1		
17...	2019	15	20000	6.9	25.0	4.0		
17...	2020	20	24000	7.2	24.0	3.3		
18...	1031	1.0	6000	7.1	24.5	7.1		
18...	1032	5.0	9000	7.2	25.0	6.5		
18...	1033	10	12500	7.2	25.0	5.9		
18...	1034	15	19000	7.3	25.0	5.1		
18...	1035	20	20000	7.3	25.0	4.7		
18...	1036	25	26000	7.2	24.0	2.8		
18...	1851	1.0	5000	7.2	27.5	6.8		
18...	1852	5.0	5000	7.2	27.5	6.7		
18...	1853	10	8000	7.3	26.0	5.2		
18...	1854	15	11500	7.3	25.0	4.5		
18...	1855	20	16000	7.2	24.5	4.0		
18...	1856	25	17000	7.1	24.5	3.9		
18...	1857	30	20000	7.1	24.5	3.8		
		TUR- BID- ITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	
DATE	TIME							
MAY								
17...	1245	15	1.4	82200	160	53	.09	
17...	2015	4.0	1.2	82900	780	30	.08	
18...	1030	--	.9	--	--	--	--	
18...	1850	--	1.5	--	--	--	--	
		TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
DATE	TIME							
MAY								
17...		.06	.59	.65	.74	3.3	.08	7.4
17...		.12	.57	.69	.77	3.4	.05	6.1
18...		.11	1.3	1.4	--	--	--	--
18...		.20	2.2	2.4	--	--	--	--

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

PASCAGOULA AND ESCATAWPA RIVERS--CONTINUED

302507088342800 - PASCAGOULA RIVER AT MI 6

024802082

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

		SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
DATE	TIME					
MAY						
17...	1016	1.0	5200	7.7	24.5	6.9
17...	1017	5.0	22000	7.8	24.5	5.3
17...	1018	10	24000	7.9	24.5	4.3
17...	1801	1.0	5000	7.7	26.0	6.8
17...	1802	5.0	7000	7.4	26.0	6.6
17...	1803	10	11000	7.3	25.5	5.9
18...	0926	1.0	4500	7.2	24.5	7.2
18...	0927	5.0	11500	7.0	25.0	6.4
18...	0928	10	20000	7.2	25.0	5.1
18...	1741	1.0	4500	7.3	26.5	7.4
18...	1742	5.0	6500	7.3	26.0	6.4
18...	1743	10	14000	7.2	25.5	5.5

DATE	TIME	TUR- BID- ITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCHI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY							
17...	1015	6.0	1.0	81400	300	31	.12
17...	1800	3.0	.8	1100	880	41	.11
18...	0925	--	.8	--	--	--	--
18...	1740	--	1.7	--	--	--	--

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY							
17...	.07	.44	.51	.63	2.8	.04	6.5
17...	.08	.89	.97	1.1	4.8	.04	6.8
18...	.06	.42	.48	--	--	--	--
18...	.04	.55	.59	--	--	--	--

PASCAGOULA AND ESCATAWPA RIVERS--CONTINUED

302430088350400 - PASCAGOULA RIVER AT MI 5

024802083

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

		SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)		
DATE	TIME							
MAY								
17...	1001	1.0	7500	7.2	24.5	6.6		
17...	1002	5.0	22000	7.2	24.5	5.8		
17...	1003	10	32000	7.7	24.0	3.4		
17...	1004	15	33000	7.7	23.5	3.1		
17...	1005	20	33000	7.7	23.5	3.2		
17...	1746	1.0	8500	7.8	26.0	6.9		
17...	1747	5.0	9000	7.6	26.0	6.7		
17...	1748	10	19000	7.4	25.5	5.5		
17...	1749	15	25000	7.5	24.5	4.4		
18...	0916	1.0	4500	7.2	24.5	7.5		
18...	0917	5.0	7500	7.1	25.0	6.7		
18...	0918	10	21000	7.3	25.5	5.6		
18...	0919	15	23000	7.4	25.0	4.8		
18...	1731	1.0	11000	7.3	26.0	6.6		
18...	1732	5.0	11000	7.4	26.0	6.6		
18...	1733	10	16000	7.3	25.5	5.7		
18...	1734	15	20000	7.4	25.0	5.1		
		TUR- BID- ITY (NTU)	HIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	
DATE	TIME							
MAY								
17...	1000	8.0	1.7	780	480	47	.09	
17...	1745	10	.8	1000	700	10	.09	
18...	0915	--	1.1	--	--	--	--	
18...	1730	--	1.0	--	--	--	--	
		TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL- NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
DATE	TIME							
MAY								
17...	.08	.53	.61	.70	3.1	.06	5.2	
17...	.09	.83	.92	1.0	4.5	.06	6.4	
18...	.08	.76	.84	--	--	--	--	
18...	.07	.53	.60	--	--	--	--	

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

PASCAGOULA AND ESCATAWPA RIVERS--CONTINUED

302345088343800 - PASCAGOULA RIVER AT MI 4

024802087

WATER QUALITY DATA: WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAY						
17...	0946	1.0	13000	7.9	24.5	7.2
17...	0947	5.0	17500	7.9	24.5	6.2
17...	0948	10	28000	8.1	24.5	5.1
17...	0949	15	34000	8.2	24.0	3.7
17...	0950	20	34000	8.2	23.5	3.6
17...	0951	25	34000	8.3	23.5	3.5
17...	1731	1.0	9500	7.8	26.5	7.3
17...	1732	5.0	9500	7.5	26.5	7.0
17...	1733	10	22000	7.5	25.0	5.2
17...	1734	15	24000	7.5	24.5	4.7
17...	1735	20	24000	7.5	24.5	4.3
18...	0901	1.0	11500	7.2	25.0	7.1
18...	0902	5.0	11500	7.1	25.0	6.6
18...	0903	10	18000	7.4	25.5	6.4
18...	0904	15	22000	7.6	25.5	6.3
18...	0905	20	24000	7.6	25.5	5.3
18...	1721	1.0	9500	7.5	26.5	7.3
18...	1722	5.0	10000	7.5	26.5	7.2
18...	1723	10	18000	7.4	25.5	5.7
18...	1724	15	19000	7.4	25.5	5.7

DATE	TIME	TUR- BID- ITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY							
17...	0945	8.0	1.4	580	880	66	.07
17...	1730	2.0	1.1	500	980	35	.09
18...	0900	--	1.2	--	--	--	--
18...	1720	--	1.6	--	--	--	--

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY							
17...	.13	.60	.73	.80	3.5	.08	5.5
17...	.10	.61	.71	.80	3.5	.05	6.7
18...	.07	.68	.75	--	--	--	--
18...	.05	.64	.69	--	--	--	--

PASCAGOULA AND ESCATAWPA RIVERS--CONTINUED

302319089335400 - PASCAGOULA RIVER AT MI 3

024902091

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)		
MAY								
17...	0931	1.0	20000	7.8	24.5	6.1		
17...	0932	5.0	23000	7.8	25.0	5.9		
17...	0933	10	25000	7.9	24.0	3.7		
17...	0934	15	33000	7.9	23.5	3.4		
17...	0935	20	34000	7.9	23.5	3.4		
17...	0936	25	34000	7.8	23.5	3.4		
17...	1716	1.0	9000	7.6	26.5	7.5		
17...	1717	5.0	9000	7.5	26.0	7.0		
17...	1718	10	10000	7.3	26.0	6.8		
17...	1719	15	15000	7.3	26.0	6.7		
17...	1720	20	20000	7.5	25.0	5.2		
17...	1721	25	25000	7.5	24.5	4.5		
17...	1722	30	26000	7.7	24.0	4.0		
17...	1723	35	30000	7.7	24.0	3.8		
18...	0846	1.0	14000	7.1	25.5	6.8		
18...	0847	5.0	17000	7.2	25.5	6.7		
18...	0848	10	21000	7.5	25.5	6.4		
18...	0849	15	23000	7.5	25.5	6.3		
18...	0850	20	24000	7.5	25.0	5.2		
18...	0851	25	26000	7.5	25.0	4.8		
18...	0852	30	27000	7.4	24.5	4.4		
18...	0853	35	27000	7.2	24.5	2.8		
18...	1706	1.0	9000	7.4	27.0	7.5		
18...	1707	5.0	9000	7.5	27.0	7.7		
18...	1708	10	10000	7.6	27.0	7.7		
18...	1709	15	14000	7.5	26.5	6.8		
18...	1710	20	15000	7.5	26.0	6.6		
18...	1711	25	16500	7.6	26.0	6.2		
18...	1712	30	18000	7.6	26.0	5.9		
18...	1713	35	19000	7.5	25.5	5.5		
18...	1714	40	20000	7.5	25.5	5.5		
DATE	TIME	TUR- BID- ITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	
MAY								
17...	0930	10	2.1	81400	1300	60	.07	
17...	1715	25	.7	680	440	123	.08	
18...	0845	--	1.4	--	--	--	--	
18...	1705	--	1.6	--	--	--	--	
DATE	TIME	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY								
17...	.13	.25	.38	.45	2.0	.09	6.1	
17...	.10	1.0	1.1	1.2	5.2	.11	7.1	
18...	.11	.81	.92	--	--	--	--	
18...	.06	.83	.89	--	--	--	--	

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

PASCAGOULA AND ESCATAWPA RIVERS--CONTINUED

02480210 - PASCAGOULA RIVER AT HWY 90 AT PASCAGOULA, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAY						
17...	0916	1.0	23000	8.2	24.5	5.1
17...	0917	5.0	28000	8.1	24.5	4.5
17...	0918	10	32000	8.0	24.0	3.9
17...	0919	15	34000	8.0	23.5	3.4
17...	0920	20	35000	7.9	23.5	3.1
17...	0921	25	28000	7.9	23.5	3.0
17...	1701	1.0	12500	7.6	26.0	7.1
17...	1702	5.0	13000	7.5	26.0	6.8
17...	1703	10	16000	7.5	26.0	6.9
17...	1704	15	24000	7.6	24.5	4.2
17...	1705	20	29000	7.7	24.5	4.2
18...	0831	1.0	25000	7.2	25.0	6.5
18...	0832	5.0	25000	7.2	25.5	6.2
18...	0833	10	26000	7.3	25.5	6.0
18...	0834	15	27000	7.3	25.5	5.5
18...	0835	20	28000	7.3	24.5	4.3
18...	0836	25	28000	7.3	24.5	3.9
18...	1656	1.0	11000	7.7	27.0	7.9
18...	1657	5.0	11000	7.7	27.0	7.8
18...	1658	10	16000	7.7	26.5	7.0
18...	1659	15	24000	7.7	25.5	5.2
18...	1700	20	26000	7.6	25.0	5.2

DATE	TIME	TUR- BID- ITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY							
17...	0915	5.0	1.9	360	1400	29	.07
17...	1700	8.0	2.1	250	250	22	.08
18...	0830	--	1.9	--	--	--	--
18...	1655	--	1.5	--	--	--	--
19...	1700	6.0	--	--	--	--	.07

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY							
17...	.16	.45	.61	.68	3.0	.08	4.7
17...	.08	.43	.51	.59	2.6	.05	5.2
18...	.11	1.1	1.2	--	--	--	--
18...	.05	.83	.88	--	--	--	--
19...	.04	.56	.60	.67	3.0	.07	7.8

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

275

PASCAGOULA AND ESCATAWPA RIVERS--CONTINUED

02480210 - PASCAGOULA RIVER AT HWY 90 AT PASCAGOULA, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	HARD- NESS (CA.MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINIT AS CACO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)
MAY 19...	1700	20	2600	2500	160	530	67	0	55	1.3

DATE	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED SILICA (SIO2) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (TUNS PER AC-FT)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	
MAY 19...	990	8100	4.3	14500	19.7	2	1	0	<10	10

DATE	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL COBALT (CO) (UG/L)	TOTAL COBALT IN BOTTOM MA- TERIAL (UG/G)	TOTAL COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)
MAY 19...	<10	0	<10	24	<10	460	1800	10	10	120

DATE	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
MAY 19...	10	.0	.8	0	0	50	20	11	2

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

PASCAGOULA AND ESCATAWPA RIVERS--CONTINUED

02480210 - PASCAGOULA RIVER AT HWY 90 AT PASCAGOULA, MISS.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)
MAY 19...	1700	.0	16	.00	.00	.0	.0	0	.00	.0	.00	.0

DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DIAL- AZINON (UG/L)	DIAL- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DIELDRIN (UG/L)	DIELDRIN 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)
MAY 19...	.24	.0	.01	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)
MAY 19...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	2,4-D IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4,5-T (UG/L)	2,4,5-T IN BOTTOM MA- TERIAL (UG/KG)	TOTAL SILVEX (UG/L)	SILVEX IN BOTTOM MA- TERIAL (UG/KG)
MAY 19...	.0	0	0	.00	.0	.00	0	.00	0	.00	0

PASCAGOULA AND ESCATAWPA RIVERS--CONTINUED

02480212 - PASCAGOULA RIVER AT MI 1 AT PASCAGOULA, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAY						
17...	0901	1.0	17000	7.6	25.0	6.7
17...	0902	5.0	22000	7.6	25.0	5.8
17...	0903	10	30000	7.7	24.5	3.8
17...	0904	15	30000	7.8	24.0	3.7
17...	0905	20	35000	7.8	23.5	3.5
17...	0906	25	30000	7.8	23.5	3.5
17...	0907	30	30000	7.9	23.5	3.5
17...	0908	35	37000	7.9	23.5	3.3
17...	0909	40	38000	7.8	23.0	3.3
17...	0910	45	38000	7.8	23.0	3.0
17...	0911	50	30000	7.8	22.0	1.0
17...	1646	1.0	14000	7.6	26.0	7.5
17...	1647	5.0	16000	7.6	25.5	6.9
17...	1648	10	19000	7.6	26.0	6.9
17...	1649	15	22000	7.6	25.5	6.1
17...	1650	20	28000	7.7	24.0	4.2
17...	1651	25	34000	7.8	23.5	3.5
17...	1652	30	35000	7.8	23.5	3.5
17...	1653	35	38000	7.8	23.5	3.4
17...	1654	40	38000	7.8	23.5	3.2
18...	0816	1.0	26000	7.7	25.0	7.1
18...	0817	5.0	26000	7.8	25.5	6.8
18...	0818	10	27000	7.9	25.5	6.5
18...	0819	15	28000	7.8	25.5	5.4
18...	0820	20	28000	7.7	25.0	4.7
18...	0821	25	28000	7.7	24.0	3.1
18...	0822	30	29000	7.8	23.5	2.8
18...	0823	35	29000	7.7	23.0	2.0
18...	0824	40	30000	7.6	23.0	1.5
18...	1641	1.0	17000	8.0	27.0	8.3
18...	1642	5.0	18000	7.9	26.5	7.6
18...	1643	10	19500	7.9	26.5	7.0
18...	1644	15	22000	7.9	26.0	6.5
18...	1645	20	24000	7.8	25.5	5.8
18...	1646	25	34000	7.8	24.0	3.0
18...	1647	30	37000	7.8	23.5	2.6
18...	1648	35	37000	7.8	23.5	2.5
18...	1649	40	38000	7.7	23.5	2.3

DATE	TIME	TUR- BID- ITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY							
17...	0900	2.0	1.3	190	1900	72	.07
17...	1645	2.0	1.3	180	860	50	.08
18...	0815	--	1.6	--	--	--	--
18...	1640	--	2.1	--	--	--	--

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY							
17...	.29	.05	.34	.41	1.8	.09	3.9
17...	.16	.42	.58	.66	2.9	.07	6.5
18...	.13	.57	.70	--	--	--	--
18...	.11	.52	.63	--	--	--	--

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

PASCAGOULA AND ESCATAWPA RIVERS--CONTINUED

02480215 - PASCAGOULA RIVER AT MI 0 AT PASCAGOULA, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

		SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)		
DATE	TIME							
MAY								
17...	0831	1.0	15000	7.7	25.5	7.0		
17...	0832	5.0	17000	7.8	25.5	7.0		
17...	0833	10	28000	7.6	25.5	5.7		
17...	0834	15	32000	7.7	24.5	3.6		
17...	0835	20	34000	7.8	24.0	3.3		
17...	0836	25	34000	7.8	24.0	3.3		
17...	0837	30	35000	7.8	23.5	3.6		
17...	0838	35	36000	7.8	23.5	3.8		
17...	0839	40	36000	7.8	23.5	3.6		
17...	0840	45	32000	7.8	23.0	3.6		
17...	1631	1.0	19000	8.0	26.5	8.2		
17...	1632	5.0	20000	7.9	26.0	7.5		
17...	1633	10	25000	7.8	25.5	7.1		
17...	1634	15	28000	7.8	25.0	5.7		
17...	1635	20	32000	7.9	25.0	6.3		
17...	1636	25	35000	7.8	24.0	3.8		
17...	1637	30	36000	7.8	23.5	3.7		
17...	1638	35	38000	7.8	23.5	3.6		
17...	1639	40	39000	7.8	23.5	3.2		
17...	1640	45	40000	7.8	23.0	3.1		
18...	0801	1.0	18000	7.8	24.5	6.9		
18...	0802	5.0	20000	7.9	25.0	7.3		
18...	0803	10	22000	8.0	25.0	6.8		
18...	0804	15	25000	8.0	25.0	6.8		
18...	0805	20	27000	7.8	25.0	5.3		
18...	0806	25	33000	7.8	24.5	4.5		
18...	0807	30	35000	7.8	23.5	3.1		
18...	0808	35	38000	7.8	23.5	2.8		
18...	0809	40	39000	7.8	23.0	2.9		
18...	1621	1.0	16000	8.0	27.0	8.2		
18...	1622	5.0	18000	7.9	26.5	7.8		
18...	1623	10	20000	7.8	26.5	7.3		
18...	1624	15	24000	7.8	25.5	6.1		
18...	1625	20	25000	7.8	25.0	5.3		
18...	1626	25	37000	7.8	24.5	4.4		
18...	1627	30	38000	7.8	24.0	3.3		
18...	1628	35	39000	7.7	23.5	2.7		
18...	1629	40	39000	7.7	23.5	2.5		
		TUR- BID- ITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM 7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCHI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	
DATE	TIME							
MAY								
17...	0830	7.0	2.2	180	8610	66	.07	
17...	1630	2.0	1.5	200	350	35	.06	
18...	0800	--	1.8	--	--	--	--	
18...	1620	--	3.5	--	--	--	--	
		TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
DATE	TIME							
MAY								
17...	.23	.24	.47	.54	2.4	.09	4.8	
17...	.16	.39	.55	.61	2.7	.07	5.9	
18...	.16	.47	.63	--	--	--	--	
18...	.17	.53	.70	--	--	--	--	

BACK BAY OF BILOXI

An intensive study of the quality of water in Biloxi Bay was made in June 1977. Water samples were collected at low and high tides at selected sites in the Bay from the U.S. Highway 90 crossing to the confluence of the Tchoutacabouffa and Biloxi Rivers near Big Lake. Listed below are site locations and results of laboratory and field determination made during the study.

3026030RR593200 - BIG LAKE BL TCHOUTACABOUFFA & BILOXI R 024811701

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JUN						
14...	0916	1.0	12500	7.1	29.5	7.8
14...	0917	5.0	13500	7.0	29.5	7.1
14...	0918	10	17500	6.9	29.5	5.3
14...	0919	15	17500	6.9	29.5	5.0
14...	0920	20	18000	6.9	29.5	4.9
14...	0921	25	18000	6.9	29.0	4.3
14...	0922	30	20000	6.9	28.5	3.4
14...	0923	35	20000	6.9	28.0	3.3
14...	0924	40	20000	6.9	28.0	3.1
14...	0925	45	20000	6.9	28.0	3.0
14...	1731	1.0	7500	7.7	31.5	10.2
14...	1732	5.0	11000	7.7	31.5	10.3
14...	1733	10	13000	7.6	31.5	9.9
14...	1734	15	14500	7.1	30.0	7.3
14...	1735	20	15000	7.1	30.0	6.0
14...	1736	25	16000	7.1	29.5	5.8
14...	1737	30	20000	7.1	29.0	4.2
14...	1738	35	22000	7.0	28.5	4.2
14...	1739	40	22000	7.0	28.0	4.3
14...	1740	45	22000	7.0	28.0	4.4
15...	0846	1.0	12500	7.4	29.5	9.7
15...	0847	5.0	12500	7.3	30.0	8.5
15...	0848	10	14000	7.2	30.0	7.2
15...	0849	15	14500	7.1	30.0	6.8
15...	0850	20	14500	7.1	30.0	6.6
15...	0851	25	14500	7.1	30.0	6.3
15...	0852	30	17000	7.0	30.0	5.1
15...	0853	35	20000	6.9	28.0	3.4
15...	0854	40	20000	6.9	28.0	3.2
15...	0855	45	20000	7.0	28.0	2.8
15...	1751	1.0	10000	7.8	32.0	10.5
15...	1752	5.0	12000	7.7	31.5	9.8
15...	1753	10	12500	7.7	32.0	10.2
15...	1754	15	13000	7.4	31.0	9.4
15...	1755	20	13000	7.1	30.5	7.1
15...	1756	25	13000	7.1	30.5	6.9
15...	1757	30	13000	7.1	30.5	6.8
15...	1758	35	14500	7.0	30.5	5.8
15...	1759	40	21000	7.0	28.0	3.2
15...	1800	45	22000	7.0	28.0	3.2

DATE	TIME	TUR- BIO- IDITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE PLUS NITRITE (N) (MG/L)
JUN							
14...	0915	3.0	1.9	<5	8960	2	.01
14...	1730	2.0	2.6	<5	1100	6	.01
15...	0845	--	2.4	--	--	--	--
15...	1750	--	3.5	--	--	--	--

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
JUN							
14...	.22	.42	.64	.65	2.9	.13	5.3
14...	.12	.71	.83	.84	3.7	.11	4.6
15...	.17	.59	.76	--	--	--	--
15...	.13	.68	.81	--	--	--	--

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

BACK BAY OF BILOXI--CONTINUED

302534089584600 - BIG LAKE NR BURNT BRIDGE

024812699

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JUN						
14...	0931	1.0	13500	7.1	29.5	7.0
14...	0932	5.0	15000	7.1	29.5	6.2
14...	0933	10	17000	7.1	29.5	5.5
14...	0934	15	19000	7.0	29.5	4.0
14...	0935	20	19000	7.0	29.5	3.7
14...	0936	25	19000	7.0	29.0	3.4
14...	1746	1.0	10000	7.6	31.0	9.8
14...	1747	5.0	10000	7.6	31.0	9.8
14...	1748	10	11000	7.6	31.0	9.8
14...	1749	15	13000	7.4	30.5	9.4
14...	1750	20	14000	7.2	30.5	7.8
15...	0901	1.0	13000	7.3	29.5	7.3
15...	0902	5.0	14000	7.2	30.0	6.9
15...	0903	10	15000	7.2	30.0	6.5
15...	0904	15	16000	7.2	30.0	6.3
15...	0905	20	16000	7.1	30.0	5.9
15...	0906	25	16000	7.1	30.0	5.7
15...	1816	1.0	11000	7.8	32.0	10.0
15...	1817	5.0	11000	7.9	32.0	10.0
15...	1818	10	12500	7.6	31.5	9.0
15...	1819	15	13000	7.4	31.0	7.9
15...	1820	20	13000	7.3	31.0	7.7
15...	1821	25	13000	7.2	31.0	7.5

DATE	TIME	TUR- BID- ITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
JUN							
14...	0930	25	1.7	84	84100	109	.01
14...	1745	2.0	2.4	<5	870	28	.01
15...	0900	--	2.2	--	--	--	--
15...	1815	--	3.4	--	--	--	--

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
JUN							
14...	.14	.96	1.1	1.1	4.9	.24	5.3
14...	.06	.83	.89	.90	4.0	.08	5.8
15...	.11	.67	.78	--	--	--	--
15...	.10	.55	.65	--	--	--	--

BACK BAY OF BILOXI--CONTINUED

02481270 - BACK BAY OF BILOXI NEAR BILOXI, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JUN						
14...	1001	1.0	13500	7.4	29.5	7.5
14...	1002	5.0	13500	7.3	29.5	6.7
14...	1003	10	16000	7.2	29.5	5.0
14...	1004	15	19000	7.1	29.5	3.9
14...	1005	20	19000	7.0	29.5	3.5
14...	1801	1.0	13500	7.4	30.5	8.1
14...	1802	5.0	13500	7.3	30.5	7.9
14...	1803	10	14000	7.3	30.5	7.2
14...	1804	15	14000	7.3	30.5	7.5
15...	0916	1.0	14000	7.4	29.5	6.8
15...	0917	5.0	14000	7.3	29.5	6.6
15...	0918	10	15000	7.3	30.0	6.1
15...	0919	15	16000	7.2	30.0	5.6
15...	0920	20	16000	7.2	30.0	5.2
15...	1831	1.0	12500	7.8	32.5	8.6
15...	1832	5.0	12500	7.9	32.0	8.8
15...	1833	10	13000	7.8	32.0	8.9
15...	1834	15	13000	7.4	31.0	7.5

DATE	TIME	TUR- BID- ITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
JUN							
14...	1000	15	2.1	85	360	43	.00
14...	1800	6.0	3.2	<5	440	16	.00
15...	0915	--	3.8	--	--	--	--
15...	1830	--	3.7	--	--	--	--

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
JUN							
14...	.14	.81	.95	.95	4.2	.18	6.0
14...	.15	.95	1.1	1.1	4.9	.12	5.3
15...	.13	.73	.86	--	--	--	--
15...	.07	.74	.81	--	--	--	--

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

BACK BAY OF BILOXI--CONTINUED

302508099573200 - BACK BAY OF BILOXI AT MILE 7.3

024812715

WATER QUALITY DATA: WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JUN						
14...	1031	1.0	15000	7.5	29.5	7.4
14...	1032	5.0	15500	7.3	29.5	6.7
14...	1033	10	17000	7.3	29.5	5.8
14...	1034	15	17500	7.1	29.5	5.4
14...	1816	1.0	13500	7.6	30.5	8.7
14...	1817	5.0	13500	7.6	30.5	8.7
14...	1818	10	13500	7.4	30.0	7.4
15...	0931	1.0	15000	7.4	30.0	6.8
15...	0932	5.0	15000	7.4	29.5	6.1
15...	0933	10	16000	7.3	29.5	5.1
15...	0934	15	17000	7.3	30.0	5.0
15...	0935	20	17000	7.2	30.0	5.0
15...	0936	25	17000	7.2	30.0	4.8
15...	1841	1.0	11000	7.8	32.0	8.0
15...	1842	5.0	11000	7.8	32.0	7.9
15...	1843	10	11000	7.5	31.0	6.9
15...	1844	15	11000	7.5	31.0	6.8
15...	1845	20	11000	7.5	31.0	6.8
15...	1846	25	11000	7.4	31.0	6.5

DATE	TIME	TUR- BID- ITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRIE PLUS NITRATE (N) (MG/L)
JUN							
14...	1030	3.0	3.4	8840	823	19	.01
14...	1815	1.0	3.8	<5	460	22	.01
15...	0930	--	2.2	--	--	--	--
15...	1840	--	3.4	--	--	--	--

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
JUN							
14...	.13	.87	1.0	1.0	4.5	.12	6.0
14...	.10	.43	.53	.54	2.4	.11	4.3
15...	.12	.79	.91	--	--	--	--
15...	.11	.52	.63	--	--	--	--

BACK BAY OF BILOXI--CONTINUED

3025130RR564400 - BACK BAY OF BILOXI AT MILE 6.5

024812725

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JUN						
14...	1046	1.0	15000	7.7	29.5	7.5
14...	1047	5.0	15000	7.7	29.5	7.6
14...	1048	10	16000	7.5	29.5	6.4
14...	1049	15	16000	7.3	29.5	5.4
14...	1050	20	19000	7.2	29.5	4.9
14...	1051	25	19000	7.1	29.5	3.8
14...	1831	1.0	12000	7.7	30.5	8.7
14...	1832	5.0	12000	7.5	30.5	8.2
14...	1833	10	12500	7.4	30.5	7.7
14...	1834	15	13000	7.3	30.0	7.1
14...	1835	20	13000	7.3	30.0	6.9
15...	0941	1.0	15000	7.5	29.5	6.6
15...	0942	5.0	15500	7.6	29.5	7.2
15...	0943	10	16000	7.4	29.5	6.4
15...	0944	15	16000	7.3	29.5	5.9
15...	0945	20	17000	7.2	29.5	6.3
15...	0946	25	17000	7.2	29.5	6.3
15...	1851	1.0	14000	7.6	31.5	7.1
15...	1852	5.0	14000	7.6	31.5	7.1
15...	1853	10	14500	7.6	31.5	7.0
15...	1854	15	15000	7.5	31.0	6.0
15...	1855	20	15500	7.4	31.0	5.7
15...	1856	25	16000	7.4	31.0	5.7

DATE	TIME	TUR- BID- ITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
JUN							
14...	1045	1.0	2.9	300	B4	9	.01
14...	1830	1.0	3.0	<5	B450	28	.00
15...	0940	--	3.1	--	--	--	--
15...	1850	--	3.0	--	--	--	--

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
JUN							
14...	.15	.69	.84	.85	3.8	.13	4.8
14...	.10	.69	.79	.79	3.5	.14	4.1
15...	.13	.97	1.1	--	--	--	--
15...	.09	.63	.72	--	--	--	--

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

BACK BAY OF BILOXI--CONTINUED

302500088560000 - BACK BAY OF BILOXI AT MILE 5.7

024812735

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

		SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)		
DATE	TIME							
JUN								
14...	1101	1.0	16000	7.6	29.5	7.7		
14...	1102	5.0	16500	7.6	29.5	7.6		
14...	1103	10	18000	7.4	29.5	5.7		
14...	1104	15	18000	6.9	29.5	5.2		
14...	1846	1.0	15000	7.5	30.5	7.9		
14...	1847	5.0	16000	7.4	30.0	7.7		
14...	1848	10	16000	7.4	30.0	7.6		
14...	1849	15	16000	7.3	30.0	6.8		
15...	0951	1.0	16000	7.6	29.5	7.2		
15...	0952	5.0	16500	7.5	29.5	6.2		
15...	0953	10	16500	7.4	29.5	5.9		
15...	0954	15	17000	7.4	29.5	5.5		
15...	1901	1.0	15000	7.6	31.0	6.8		
15...	1902	5.0	15000	7.7	31.0	7.0		
15...	1903	10	15000	7.8	31.0	7.1		
15...	1904	15	15000	7.5	31.0	5.9		
		TUR- BID- ITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	
DATE	TIME							
JUN								
14...	1100	1.0	3.3	<5	869	14	.01	
14...	1845	6.0	2.9	<5	100	12	.00	
15...	0950	--	2.5	--	--	--	--	
15...	1900	--	3.2	--	--	--	--	
		TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
DATE	TIME							
JUN								
14...	.14	.76	.90	.91	4.0	.13	5.2	
14...	.11	.69	.80	.80	3.5	.13	5.4	
15...	.11	.99	1.1	--	--	--	--	
15...	.09	.72	.81	--	--	--	--	

BACK BAY OF BILOXI--CONTINUED

302519088551100 - BACK BAY OF BILOXI AT MILE 4.8

024812745

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JUN						
14...	1116	1.0	17000	7.7	29.5	8.1
14...	1117	5.0	17000	7.7	29.5	7.8
14...	1118	10	18000	7.4	29.5	6.2
14...	1119	15	19000	7.3	29.5	5.4
14...	1120	20	19000	7.3	29.5	5.1
14...	1851	1.0	16000	7.5	30.5	7.5
14...	1852	5.0	16000	7.4	30.5	7.3
14...	1853	10	16000	7.3	30.0	6.9
14...	1854	15	17000	7.2	29.5	5.5
14...	1855	20	19000	7.2	29.5	4.5
15...	1001	1.0	17000	7.5	29.5	6.9
15...	1002	5.0	17000	7.6	29.5	6.8
15...	1003	10	17000	7.5	29.5	5.7
15...	1004	15	18000	7.4	29.5	5.3
15...	1005	20	18500	7.4	29.5	5.3
15...	1906	1.0	15000	7.6	31.0	6.6
15...	1907	5.0	15000	7.7	31.0	6.8
15...	1908	10	15000	7.9	31.0	7.2
15...	1909	15	15000	8.0	31.5	7.8

DATE	TIME	TUR- BID- ITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
JUN							
14...	1115	2.0	2.5	98	270	50	.01
14...	1850	1.0	3.4	<5	130	30	.00
15...	1000	--	4.1	--	--	--	--
15...	1905	--	5.1	--	--	--	--

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL- NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
JUN							
14...	.12	.88	1.0	1.0	4.5	.15	5.4
14...	.11	.71	.82	.82	3.6	.14	5.1
15...	.14	.78	.92	--	--	--	--
15...	.07	.67	.74	--	--	--	--

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

BACK BAY OF BILOXI--CONTINUED

302528088540000 - BACK BAY OF BILOXI AT MILE 3.6

024812755

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JUN						
14...	1146	1.0	16000	7.7	30.0	8.4
14...	1147	5.0	16000	7.6	30.0	8.4
14...	1148	10	16000	7.4	29.5	7.8
14...	1149	15	16000	7.4	29.5	7.3
14...	1901	1.0	16000	7.9	30.5	8.5
14...	1902	5.0	16000	7.8	30.5	8.5
14...	1903	10	16500	7.4	30.0	6.8
14...	1904	15	19000	7.2	29.5	5.2
15...	1011	1.0	18000	7.6	29.5	6.9
15...	1012	5.0	18000	7.5	29.5	6.0
15...	1013	10	19000	7.4	29.5	5.6
15...	1014	15	19000	7.4	29.0	5.5
15...	1015	20	19500	7.3	29.0	5.5
15...	1911	1.0	15500	7.7	31.0	6.5
15...	1912	5.0	15500	7.8	31.0	6.9
15...	1913	10	16000	7.8	31.0	6.8
15...	1914	15	16500	7.6	30.5	5.8
15...	1915	20	16500	7.4	30.0	4.8

DATE	TIME	TUR- BID- ITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCEI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
JUN							
14...	1145	10	2.8	<5	811000	46	.01
14...	1900	15	2.9	<5	270	64	.00
15...	1010	--	2.7	--	--	--	--
15...	1910	--	4.2	--	--	--	--

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
JUN							
14...	.13	.97	1.1	1.1	4.9	.13	4.7
14...	.11	.78	.89	.89	3.9	.13	6.0
15...	.12	.86	.98	--	--	--	--
15...	.09	.76	.85	--	--	--	--

BACK BAY OF BILOXI--CONTINUED

02481279 - BACK BAY OF BILOXI AT D'IBERVILLE, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JUN						
14...	1201	1.0	19000	8.0	30.0	7.6
14...	1202	5.0	19000	7.9	29.5	7.0
14...	1203	10	20000	7.7	29.0	6.5
14...	1204	15	21000	7.6	29.0	6.5
14...	1205	20	22000	7.6	29.0	6.4
14...	1911	1.0	16000	7.6	30.0	7.7
14...	1912	5.0	16000	7.6	30.0	7.8
14...	1913	10	17000	7.4	30.0	6.6
14...	1914	15	17500	7.3	30.0	5.9
14...	1915	20	18000	7.3	30.0	5.3
15...	1021	1.0	18500	7.5	29.5	6.4
15...	1022	5.0	19000	7.4	29.0	5.8
15...	1023	10	20000	7.4	29.0	5.8
15...	1024	15	20000	7.4	29.0	5.8
15...	1025	20	20000	7.4	29.0	5.8
15...	1921	1.0	16500	7.5	30.5	5.9
15...	1922	5.0	16500	7.6	30.5	6.1
15...	1923	10	16500	7.6	30.5	6.1
15...	1924	15	16500	7.6	30.5	5.8
15...	1925	20	16500	7.5	30.5	5.8

DATE	TIME	TUR- BID- ITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCEI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
JUN							
14...	1200	5.0	2.8	831	84300	38	.01
14...	1910	3.0	3.5	<5	530	16	.01
15...	1020	--	3.4	--	--	--	--
15...	1920	--	3.4	--	--	--	--

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
JUN							
14...	.13	.69	.82	.83	3.7	.11	5.4
14...	.16	.81	.97	.98	4.3	.12	6.1
15...	.13	.81	.94	--	--	--	--
15...	.09	.73	.82	--	--	--	--

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

BACK BAY OF BILOXI--CONTINUED

3024500R8524900 - BACK BAY OF BILOXI AT MILE 2.2

024812795

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

		SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	
DATE	TIME						
JUN							
14...	1216	1.0	20000	7.7	29.5	7.0	
14...	1217	5.0	20000	7.6	29.0	6.7	
14...	1218	10	21000	7.6	29.0	6.7	
14...	1219	15	22000	7.6	29.0	6.7	
14...	1220	20	22000	7.4	29.0	6.5	
14...	1221	25	23000	7.4	29.0	6.5	
14...	1921	1.0	17000	7.7	30.0	7.6	
14...	1922	5.0	17000	7.7	30.0	7.6	
14...	1923	10	17500	7.6	30.0	7.2	
14...	1924	15	17500	7.7	30.5	8.1	
14...	1925	20	18000	7.7	30.5	8.4	
14...	1926	25	18000	7.5	30.0	7.6	
15...	1046	1.0	20000	7.8	30.0	7.1	
15...	1047	5.0	20000	7.8	30.0	7.1	
15...	1048	10	22000	7.6	29.5	6.3	
15...	1049	15	22000	7.6	29.5	6.0	
15...	1050	20	22000	7.5	29.5	5.6	
15...	1051	25	22000	7.3	29.5	5.6	
15...	1931	1.0	17000	7.6	30.5	6.3	
15...	1932	5.0	17000	7.6	30.5	6.3	
15...	1933	10	17000	7.7	30.5	6.2	
15...	1934	15	17000	7.8	30.5	6.9	
15...	1935	20	17500	8.0	31.0	7.4	
DATE	TIME	TUR- BID- ITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
JUN							
14...	1215	--	3.3	865	3700	--	.01
14...	1920	1.0	3.1	<5	4800	14	.01
15...	1045	--	5.2	--	--	--	--
15...	1930	--	4.2	--	--	--	--
DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
JUN							
14...	.15	.82	.97	.98	4.3	.13	--
14...	.14	.75	.89	.90	4.0	.13	4.9
15...	.10	.70	.80	--	--	--	--
15...	.10	.73	.83	--	--	--	--

BACK BAY OF BILOXI--CONTINUED

302439088520900 - BACK BAY OF BILOXI AT MILE 1.5

024812805

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

		SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)					PH	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
DATE	TIME	SAMP- LING DEPTH (FT)						(UNITS)	
JUN									
14...	1231	1.0	22000	8.0	29.5	8.5			
14...	1232	5.0	22000	8.0	29.5	8.8			
14...	1233	10	22000	7.9	30.0	8.5			
14...	1234	15	24000	7.4	29.0	5.4			
14...	1931	1.0	18000	7.7	30.0	8.2			
14...	1932	5.0	18000	7.7	30.0	8.2			
14...	1933	10	19000	7.7	30.0	8.2			
15...	1101	1.0	22000	7.7	30.0	6.6			
15...	1102	5.0	23000	7.6	29.5	5.5			
15...	1103	10	24000	7.6	29.5	4.9			
15...	1104	15	24000	7.6	29.5	4.3			
15...	1941	1.0	17000	7.6	30.5	5.7			
15...	1942	5.0	17000	7.6	30.5	5.9			
15...	1943	10	17500	7.6	30.5	5.9			
15...	1944	15	17500	7.6	30.5	5.8			
		TUR- BID- ITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCEI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)		
DATE	TIME								
JUN									
14...	1230	5.0	3.5	823	86300	43	.01		
14...	1930	1.0	2.6	<5	840	22	.01		
15...	1100	--	3.5	--	--	--	--		
15...	1940	--	3.3	--	--	--	--		
		TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL- NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	
DATE	TIME								
JUN									
14...	.09	.73	.82	.83	3.7	.11	5.8		
14...	.09	.47	.56	.57	2.5	.12	5.2		
15...	.14	.96	1.1	--	--	--	--		
15...	.11	.58	.69	--	--	--	--		

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

BACK BAY OF BILOXI--CONTINUED

02481300 - BACK BAY OF BILOXI AT OCEAN SPRINGS, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

		SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)		
DATE	TIME							
JUN								
14...	1246	1.0	25000	7.8	30.0	7.5		
14...	1247	5.0	25000	7.8	29.5	7.3		
14...	1248	10	25000	7.7	29.5	6.6		
14...	1249	15	25000	7.6	29.5	6.0		
14...	1946	1.0	19500	7.8	30.0	8.4		
14...	1947	5.0	19500	7.8	30.0	8.3		
14...	1948	10	19500	7.7	30.0	8.8		
14...	1949	15	19500	7.7	30.0	8.8		
15...	1116	1.0	20000	7.9	30.5	6.9		
15...	1117	5.0	20000	7.8	30.0	6.4		
15...	1118	10	20000	7.7	29.5	5.3		
15...	1119	15	20000	7.4	29.5	4.8		
15...	1951	1.0	20000	7.9	30.0	6.9		
15...	1952	5.0	20000	7.9	30.5	6.9		
15...	1953	10	20000	7.9	30.5	7.0		
15...	1954	15	20000	7.9	30.5	7.0		
		TUR- BIO- IDITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	
DATE	TIME							
JUN								
14...	1245	1.0	3.8	850	81500	41	.01	
14...	1945	6.0	3.5	<5	1900	21	.00	
15...	1115	--	4.1	--	--	--	--	
15...	1950	--	4.5	--	--	--	--	
16...	0945	15	--	--	--	30	.01	
		TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
DATE	TIME							
JUN								
14...		.13	.73	.86	.87	3.9	.10	5.1
14...		.10	.62	.72	.72	3.2	.11	5.4
15...		.10	.76	.86	--	--	--	--
15...		.05	.75	.80	--	--	--	--
16...		.16	.94	1.1	1.1	4.9	.12	4.7

BACK BAY OF BILOXI--CONTINUED

02481300 - BACK BAY OF BILOXI AT OCEAN SPRINGS, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	HARD- NESS (CA.MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LITY AS CACO3 (MG/L)
JUN 16...	0945	5	1900	1900	160	700	370	87	0	71
DATE	CARBON DIOXIDE (CO2) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RINE (CL) (MG/L)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
JUN 16...	2.2	1500	11000	1.6	1470	2.00	2	15	0	<10
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 IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)
JUN 16...	30	20	0	<10	20	<10	690	9000	17	<10
DATE	TOTAL MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
JUN 16...	120	200	.2	.8	0	0	40	20	0	0

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

BACK BAY OF BILOXI--CONTINUED

02481300 - BACK BAY OF BILOXI AT OCEAN SPRINGS, MISS.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)
JUN 16...	0945	.0	0	.00	.00	.0	.0	0	.00	.0	.00	.0
DATE		TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	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)
JUN 16...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
DATE		TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL PARA- THION (UG/L)
JUN 16...	.00	.0	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DATE		PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	2,4-D IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4,5-T (UG/L)	2,4,5-T IN BOTTOM MA- TERIAL (UG/KG)	TOTAL SILVEX (UG/L)	SILVEX IN BOTTOM MA- TERIAL (UG/KG)
JUN 16...	.0	0	0	.00	.0	.00	0	.01	0	.00	0	

OLD FORT BAYOU

An intensive study of the quality of water in Old Fort Bayou was made in the Ocean Springs, Mississippi area in March 1977. Water samples were collected at high tide at about 1-mile intervals starting at the mouth of Old Fort Bayou and continuing about 14 miles upstream. Field sampling was terminated prior to completion of the study because of heavy rains. Listed below are site locations and results of laboratory and field determination made during the study.

302846088434200 - OLD FORT BAYOU AT MI 14

024812935

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)		
MAR								
30...	1625	1.0	50	4.3	20.5	7.2		
30...	1626	5.0	50	4.3	20.5	7.0		
DATE	TIME	TUR- BID- ITY (NTU)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	
MAR								
30...	1630	4.0	30	.9	300	200	2	
DATE	TIME	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (P) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
MAR								
30...	.00	.00	.24	.24	.24	1.1	.00	

302732088432400 - OLD FORT BAYOU AT MI 12

024812965

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)		
MAR								
30...	1605	1.0	49	4.3	21.0	7.2		
30...	1606	5.0	49	4.3	21.0	7.2		
30...	1607	10	50	4.0	21.0	7.0		
30...	1608	15	49	4.0	20.5	7.1		
DATE	TIME	TUR- BID- ITY (NTU)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	
MAR								
30...	1615	3.0	30	2.2	290	120	2	
DATE	TIME	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (P) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
MAR								
30...	.00	.00	.32	.32	.32	1.4	.00	

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

OLD FORT BAYOU--CONTINUED

02481298 - OLD FORT BAYOU NR OCEAN SPRINGS, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

		SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)		
DATE	TIME							
MAR								
30...	1550	1.0	66	4.5	21.0	7.2		
30...	1551	5.0	68	4.3	21.0	7.0		
30...	1552	8.0	66	4.2	20.0	6.9		
		CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)		
DATE	TIME	TUR- BID- ITY (NTU)						
MAR								
30...	1600	4.0	30	1.5	640	140	0	
		TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N03) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
DATE	TIME							
MAR								
30...	.01	.00	.23	.23	.24	1.1		.01

30262108441000 - OLD FORT BAYOU AT MI 9

024812981

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAR						
30...	1540	1.0	71	4.8	21.5	7.1
30...	1541	5.0	72	4.7	20.0	6.2
30...	1542	10	72	4.5	19.5	6.1

DATE	TIME	TUR- BID- ITY (NTU)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)
MAR							
30...	1545	6.0	40	1.7	700	190	5

DATE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
MAR							
30...	.01	.00	.32	.32	.33	1.5	.01

OLD FORT BAYOU--CONTINUED

302558088444000 - OLD FORT BAYOU AT MI 8

024812982

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

		SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MMUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)		
DATE	TIME							
MAR								
30...	1525	1.0	128	5.4	22.0	7.0		
30...	1526	5.0	109	5.2	21.0	6.7		
30...	1527	10	89	5.0	20.0	6.4		
		TUR- BID- ITY (NTU)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILTY- RABLE RESIDUE (MG/L)	
DATE	TIME							
MAR								
30...	1530	6.0	30	1.1	410	340	1	
DATE	TIME	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
MAR								
30...	.01	.00	.30	.30	.31	1.4	.01	

302542088453000 - OLD FORT BAYOU AT MI 7

024812983

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

		SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)		
DATE	TIME							
MAR								
30...	1515	1.0	272	5.9	23.0	6.8		
30...	1516	5.0	240	5.7	22.0	6.4		
30...	1517	10	206	5.6	20.5	6.1		
30...	1518	13	223	5.4	20.5	6.0		
		CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILTY- RABLE RESIDUE (MG/L)		
DATE	TIME	TUR- BID- ITY (NTU)						
MAR								
30...	1520	7.0	30	1.9	880	580	5	
		TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
MAR								
30...	.01	.00	.39	.39	.40	1.8	.02	

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

OLD FORT BAYOU--CONTINUED

30252808R462200 - OLD FORT BAYOU AT MI 6

024812984

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

		SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)		
DATE	TIME							
MAR								
30...	1505	1.0	400	6.2	22.5	6.4		
30...	1506	5.0	360	5.9	22.0	6.0		
30...	1507	10	320	5.8	20.5	5.7		
30...	1508	15	320	5.8	20.5	5.7		
		CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)		
DATE	TIME	TUR- BID- ITY (NTU)						
MAR								
30...	1510	7.0	30	1.9	670	510		
						10		
		TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
DATE	TIME							
MAR								
30...	.01	.01	.43	.44	.45	2.0		.02

30252208R471500 - OLD FORT BAYOU AT MI 5

024812985

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

		SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)		
DATE	TIME							
MAR								
30...	1455	1.0	1000	6.5	22.5	6.3		
30...	1456	5.0	1000	6.4	22.5	6.0		
30...	1457	10	1050	6.3	21.0	5.4		
30...	1458	15	1050	6.2	21.0	5.2		
		TUR- BID- ITY (NTU)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	
DATE	TIME							
MAR								
30...	1500	6.0	30	1.9	310	570	5	
		TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
DATE	TIME							
MAR								
30...	.01	.03	.40	.43	.44	1.9	.02	

OLD FORT BAYOU--CONTINUED

302511089475700 - OLD FORT BAYOU AT MI 4

024812986

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

		SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)		
DATE	TIME							
MAR								
30...	1440	1.0	1800	6.7	22.0	6.0		
30...	1441	5.0	1800	6.6	22.0	5.9		
30...	1442	10	2200	6.5	21.5	5.5		
		TUR- BID- ITY (NTU)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIU- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	
DATE	TIME							
MAR								
30...	1445	4.0	60	1.6	260	2000	10	
		TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
DATE	TIME							
MAR								
30...	.01	.05	.41	.46	.47	2.1	.03	

302527089484500 - OLD FORT BAYOU AT MI 3

024812988

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

		SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)		
DATE	TIME							
MAR								
30...	1430	1.0	2600	7.0	22.5	6.6		
30...	1431	5.0	2800	6.7	21.5	5.8		
30...	1432	10	3500	6.7	21.0	5.5		
30...	1433	15	3900	6.6	21.0	5.4		
		TUR- BID- ITY (NTU)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIU- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	
DATE	TIME							
MAR								
30...	1435	5.0	100	2.2	140	790	11	
DATE	TIME	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
MAR								
30...	.01	.05	.49	.54	.55	2.4	.05	

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

OLD FORT BAYOU--CONTINUED

302516088492500 - OLD FORT BAYOU AT MI 2

024812989

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

		SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)		
DATE	TIME							
MAR								
30...	1420	1.0	3800	7.3	22.0	7.3		
30...	1421	5.0	3800	7.1	21.0	6.1		
30...	1422	10	4000	7.0	21.0	5.7		
30...	1423	14	4000	6.9	21.0	5.9		
		CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)		
DATE	TIME	TUR- BID- ITY (NTU)						
MAR								
30...	1425	5.0	85	3.2	92	22		
		TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
DATE	TIME							
MAR								
30...	.01	.08	.54	.62	.63	2.8		.07

302513088502100 - OLD FORT BAYOU AT MI 1

024812992

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)		
MAR								
30...	1410	1.0	4000	7.6	23.0	8.5		
30...	1411	5.0	4000	7.5	22.5	7.6		
DATE	TIME	TUR- BID- ITY (NTU)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	
MAR								
30...	1415	8.0	140	2.4	100	740	22	
DATE	TIME	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N03) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
MAR								
30...	.02	.05	.62	.67	.69	3.1	.08	

OLD FORT BAYOU--CONTINUED

302540088511000 - OLD FORT BAYOU AT MI 0

024812998

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAR 30...	1355	1.0	3800	7.9	23.0	8.5
MAR 30...	1356	5.0	3800	7.8	22.5	8.5

DATE	TIME	TUR- BID- ITY (NTU)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)
MAR 30...	1400	9.0	50	2.6	100	930	32

DATE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
MAR 30...	.06	.05	.65	.70	.76	3.4	.09

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

ST. LOUIS BAY AND JOURDAN RIVERS

An intensive study of the quality of water in St. Louis Bay and Jourdan River was made in July 1977. Water samples were collected at low and high tides at selected sites in St. Louis Bay from the U.S. Highway 90 bridge to the Interstate 10 crossing of Jourdan River. Listed below are site locations and results of laboratory and field determinations made during the study.

02481667 - JOURDAN RIVER AT I-10 NR KILN, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JUL						
12...	0901	1.0	14900	7.0	29.0	7.0
12...	0902	5.0	16600	7.0	29.0	7.0
12...	0903	10	18900	6.9	29.0	6.1
12...	0904	15	19800	6.8	29.5	5.0
12...	1731	1.0	13400	7.2	30.0	8.5
12...	1732	5.0	13700	7.2	30.0	8.4
12...	1733	10	15400	6.9	30.0	5.4
12...	1734	15	18400	6.8	30.0	3.4
12...	1735	20	18800	6.8	30.0	3.2
13...	1131	1.0	13000	7.1	29.5	7.8
13...	1132	5.0	14400	7.0	29.0	7.0
13...	1133	10	17700	6.9	29.0	4.8
13...	1134	15	19700	6.8	29.0	3.6
13...	1135	20	20000	6.8	29.0	3.4
13...	1801	1.0	10500	7.2	31.0	9.3
13...	1802	5.0	12500	7.2	31.0	9.2
13...	1803	10	16600	6.8	29.5	5.1
13...	1804	15	17800	6.8	29.5	3.3

DATE	TIME	TUR- BID- ITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCEI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
JUL							
12...	0900	2.0	3.6	829	848	67	.01
12...	1730	1.0	2.1	680	88	39	.01
13...	1130	--	2.6	--	--	--	--
13...	1800	--	2.5	--	--	--	--

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
JUL							
12...	.10	.45	.55	.56	2.5	.01	7.6
12...	.10	.36	.46	.47	2.1	.02	5.1
13...	.13	.61	.74	--	--	--	--
13...	.13	.26	.39	--	--	--	--

ST. LOUIS BAY AND JOURDAN RIVER--CONTINUED

302120089241000 - JOURDAN RIVER AT MI 3.70

024816684

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JUL						
12...	0916	1.0	16000	7.1	29.0	7.3
12...	0917	5.0	19400	7.0	29.0	5.7
12...	0918	10	21400	7.0	29.0	4.2
12...	0919	15	21500	7.0	29.0	3.9
12...	1746	1.0	13000	7.1	30.0	7.7
12...	1747	5.0	16000	6.9	30.0	5.6
12...	1748	10	19600	6.9	29.5	3.7
13...	1116	1.0	16600	7.2	29.5	7.4
13...	1117	5.0	18800	7.1	29.0	5.4
13...	1118	10	20700	6.9	28.5	3.7
13...	1816	1.0	12600	7.1	31.0	8.3
13...	1817	5.0	15200	6.9	30.0	6.0
13...	1818	10	19100	6.8	29.0	3.0
13...	1819	14	19800	6.8	29.0	2.7

DATE	TIME	TUR- BID- ITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
JUL							
12...	0915	1.0	3.3	B1000	1400	68	.01
12...	1745	1.0	2.9	B1000	200	40	.01
13...	1115	--	3.3	--	--	--	--
13...	1815	--	3.2	--	--	--	--

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
JUL							
12...	.13	.54	.67	.68	3.0	.02	7.4
12...	.10	.40	.50	.51	2.3	.03	6.2
13...	.11	.34	.45	--	--	--	--
13...	.13	.32	.45	--	--	--	--

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

ST. LOUIS BAY AND JOURDAN RIVER--CONTINUED

30203909241300 - BAYOU LA CROIX AT MOUTH

024816715

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JUL						
12...	0931	1.0	18100	7.2	29.0	7.0
12...	0932	5.0	19900	7.1	29.0	5.0
12...	0933	10	22000	7.0	28.5	4.2
12...	0934	15	22100	7.0	28.5	4.1
12...	0935	17	22100	7.0	28.5	4.1
12...	1801	1.0	17000	7.3	30.5	8.3
12...	1802	5.0	17000	7.3	30.5	8.2
12...	1803	10	17600	7.1	30.0	7.1
12...	1804	15	19000	6.9	29.5	4.7
12...	1805	17	22000	6.9	28.5	3.6
13...	1101	1.0	18100	7.4	29.5	7.8
13...	1102	5.0	18600	7.2	28.0	7.0
13...	1103	10	21300	7.0	28.5	4.1
13...	1104	15	21700	7.0	28.5	3.9
13...	1821	1.0	16800	7.5	31.5	8.9
13...	1822	5.0	17000	7.5	31.0	8.6
13...	1823	10	17600	7.1	30.0	6.2
13...	1824	15	19200	6.9	29.5	3.5
13...	1825	20	20700	6.8	29.0	3.2

DATE	TIME	TUR- BID- ITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
JUL							
12...	0930	1.0	3.3	920	380	64	.01
12...	1800	1.0	3.2	200	858	65	.00
13...	1100	--	3.3	--	--	--	--
13...	1820	--	3.6	--	--	--	--

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
JUL							
12...	.14	.55	.69	.70	3.1	.03	6.2
12...	.08	.47	.55	.55	2.4	.03	6.0
13...	.11	.30	.41	--	--	--	--
13...	.11	.41	.52	--	--	--	--

ST. LOUIS BAY AND JOURDAN RIVER--CONTINUED

302028089240000 - JOURDAN RIVER AT MI 2.66

024816710

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JUL						
12...	0946	1.0	17800	7.2	29.0	7.5
12...	0947	5.0	19400	7.1	28.5	5.9
12...	0948	10	21500	7.0	28.5	4.7
12...	0949	14	22700	7.0	28.5	4.4
12...	1811	1.0	14800	7.1	30.0	7.0
12...	1812	5.0	16500	7.2	30.0	7.5
12...	1813	10	20000	6.9	29.5	4.3
12...	1814	13	21100	6.9	29.0	3.7
13...	1051	1.0	18000	7.3	29.0	7.3
13...	1052	5.0	18500	7.2	29.0	6.6
13...	1053	10	20600	7.1	28.5	5.2
13...	1054	15	22400	7.0	28.5	4.5
13...	1831	1.0	14300	7.3	31.0	8.4
13...	1832	5.0	16800	7.5	31.5	8.6
13...	1833	10	19400	7.0	29.0	3.8
13...	1834	12	20300	6.9	29.0	3.4

DATE	TIME	TUR- BID- ITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
JUL							
12...	0945	1.0	3.3	120	200	55	.01
12...	1810	1.0	3.0	858	868	84	.00
13...	1050	--	3.7	--	--	--	--
13...	1830	--	4.0	--	--	--	--

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N03) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
JUL							
12...	.12	.52	.64	.65	2.9	.02	6.2
12...	.11	.41	.52	.52	2.3	.04	4.8
13...	.10	.50	.60	--	--	--	--
13...	.07	.65	.72	--	--	--	--

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

ST. LOUIS BAY AND JOURDAN RIVER--CONTINUED

302010089233600 - JOURDAN RIVER AT MI 2.14

024816717

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPC- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JUL						
12...	1001	1.0	18000	7.2	29.0	7.4
12...	1002	5.0	20000	7.1	28.5	5.5
12...	1003	10	22000	7.0	28.0	3.9
12...	1004	15	23000	7.0	28.0	4.2
12...	1005	20	23900	7.1	28.0	4.4
12...	1006	22	24300	7.1	28.0	4.2
12...	1816	1.0	16000	7.1	30.0	7.3
12...	1817	5.0	16500	7.1	30.0	7.2
12...	1818	10	17900	7.1	29.5	6.2
12...	1819	15	20800	7.0	29.0	3.9
12...	1820	20	22700	6.9	29.5	3.4
12...	1821	22	22700	6.9	29.5	3.4
13...	1041	1.0	18500	7.4	29.0	8.3
13...	1042	5.0	19400	7.2	28.0	6.6
13...	1043	10	22000	7.1	28.5	5.1
13...	1044	15	23100	7.1	28.5	4.7
13...	1045	20	23500	7.1	28.5	4.5
13...	1046	25	23600	7.1	28.5	4.5
13...	1841	1.0	15000	7.3	31.0	8.2
13...	1842	5.0	17500	7.2	30.5	7.5
13...	1843	10	19000	6.9	29.5	4.2
13...	1844	15	21000	6.9	29.0	3.6
13...	1845	20	21800	7.0	28.5	3.3

DATE	TIME	TUR- BID- ITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
JUL							
12...	1000	1.0	3.0	620	340	68	.01
12...	1815	1.0	3.0	100	426	50	.00
13...	1040	--	3.5	--	--	--	--
13...	1840	--	3.7	--	--	--	--

DATE	TIME	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
JUL								
12...	.15	.61	.76	.77	3.4	.01		6.1
12...	.10	.38	.48	.48	2.1	.04		5.2
13...	.15	.36	.51	--	--	--		--
13...	.10	.29	.39	--	--	--		--

ST. LOUIS BAY AND JOURDAN RIVER--CONTINUED

302007089225100 - JOURDAN RIVER AT MI 1.36

024816719

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JUL						
12...	1016	1.0	19800	7.3	28.5	7.1
12...	1017	5.0	20000	7.3	28.5	6.8
12...	1018	10	23400	7.1	28.0	4.5
12...	1019	15	24400	7.0	28.0	4.0
12...	1026	1.0	16200	7.1	30.0	7.4
12...	1027	5.0	19000	7.0	29.5	5.7
12...	1028	10	20700	6.9	29.0	4.4
12...	1029	15	21800	6.9	28.5	2.9
13...	1031	1.0	19200	7.5	29.0	8.1
13...	1032	5.0	19600	7.3	28.0	7.4
13...	1033	10	23400	7.3	28.0	6.2
13...	1034	15	24100	7.3	28.0	5.8
13...	1051	1.0	16000	7.4	31.0	8.3
13...	1052	5.0	18900	7.0	29.5	5.4
13...	1053	10	20800	6.9	29.0	3.1
13...	1054	13	21900	6.9	29.0	3.1

DATE	TIME	TUR- BID- ITY (NTU)	HIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- HABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
JUL							
12...	1015	2.0	3.3	84	88	75	.01
12...	1025	1.0	3.3	855	852	47	.01
13...	1030	--	3.9	--	--	--	--
13...	1050	--	4.2	--	--	--	--

DATE	TIME	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
JUL								
12...	.11	.58	.69	.70	3.1	.02	7.1	
12...	.12	.36	.48	.49	2.2	.04	11	
13...	.09	.30	.39	--	--	--	--	
13...	.11	.47	.58	--	--	--	--	

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

ST. LOUIS BAY AND JOURDAN RIVER--CONTINUED

02481673 - EDWARDS BAYOU AT MOUTH NR WAVELAND, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JUL						
12...	1021	1.0	17700	7.3	29.0	7.5
12...	1022	5.0	20700	7.1	28.5	5.4
12...	1023	10	22400	7.0	28.5	4.2
12...	1831	1.0	16600	8.2	30.0	12.1
12...	1832	5.0	19500	7.1	29.5	5.7
13...	1021	1.0	19000	7.3	29.0	7.8
13...	1022	5.0	19100	7.3	28.5	7.4
13...	1023	9.0	21200	7.0	28.5	4.7
13...	1901	1.0	16300	8.6	32.0	15.2
13...	1902	5.0	19500	7.3	29.5	5.8
13...	1903	7.0	20800	7.0	29.0	4.6

DATE	TIME	TUR- BID- ITY (NTU)	RIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
JUL							
12...	1020	1.0	3.2	170	100	67	.01
12...	1830	1.0	6.1	881	826	66	.01
13...	1020	--	4.2	--	--	--	--
13...	1900	--	9.2	--	--	--	--

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
JUL							
12...	.12	.58	.70	.71	3.1	.01	6.7
12...	.09	.62	.71	.72	3.2	.19	6.8
13...	.11	.42	.53	--	--	--	--
13...	.08	.63	.71	--	--	--	--

ST. LOUIS BAY AND JOURDAN RIVER--CONTINUED

02481674 - WATTS BAYOU AT MOUTH NR WAVELAND, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JUL						
12...	1031	1.0	18000	7.3	29.5	8.0
12...	1032	5.0	20000	7.1	28.5	6.3
12...	1836	1.0	17200	8.2	30.0	12.4
12...	1837	5.0	20300	7.0	29.0	4.3
13...	1016	1.0	18200	7.3	29.5	7.6
13...	1017	5.0	21200	7.1	28.5	5.7
13...	1018	8.0	22200	7.1	28.5	4.8
13...	1911	1.0	17600	8.5	31.5	14.4
13...	1912	5.0	20000	7.1	29.5	5.8

DATE	TIME	TUR- BID- ITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
JUL							
12...	1030	1.0	3.9	3900	660	74	.00
12...	1835	1.0	6.6	8450	140	108	.00
13...	1015	--	4.6	--	--	--	--
13...	1910	--	4.9	--	--	--	--

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
JUL							
12...	.09	.55	.64	.64	2.8	.02	7.9
12...	.12	.72	.84	.84	3.7	.16	6.2
13...	.08	.61	.69	--	--	--	--
13...	.02	.90	.92	--	--	--	--

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

ST. LOUIS BAY AND JOURDAN RIVER--CONTINUED

302015089220000 - JOURDAN RIVER AT MI 0.50

024816741

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

		SAMP- LING DEPTH		SPECIFIC CONDUCTANCE (MICRO- MHUS)		PH	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
DATE	TIME	(FT)				(UNITS)		
JUL								
12...	1046	1.0	21000	7.3	29.0	7.1		
12...	1047	5.0	22800	7.2	28.0	5.2		
12...	1048	10	24600	7.3	28.0	5.3		
12...	1049	15	25000	7.3	28.0	5.5		
12...	1050	20	25700	7.3	28.0	5.1		
12...	1846	1.0	16600	7.2	30.0	7.7		
12...	1847	5.0	17500	7.2	29.5	7.2		
12...	1848	10	21700	7.0	29.0	4.1		
12...	1849	15	23000	7.0	28.5	3.3		
12...	1850	20	24700	7.0	28.0	3.5		
13...	1001	1.0	20000	7.4	28.5	7.6		
13...	1002	5.0	22000	7.4	28.0	7.0		
13...	1003	10	23400	7.6	28.0	7.6		
13...	1004	15	25600	7.4	28.5	6.2		
13...	1005	20	30100	7.4	29.0	5.0		
13...	1916	1.0	17000	7.2	30.5	7.5		
13...	1917	5.0	18200	7.0	30.5	5.6		
13...	1918	10	23000	7.0	29.0	4.4		
13...	1919	15	25000	7.1	28.5	4.1		
13...	1920	20	31600	7.2	29.5	3.8		
13...	1921	24	31600	7.2	29.5	3.5		
		TUR- BID- ITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	
DATE	TIME							
JUL								
12...	1045	2.0	3.1	200	130	96	.01	
12...	1845	1.0	3.1	839	839	40	.00	
13...	1000	--	3.9	--	--	--	--	
13...	1915	--	3.6	--	--	--	--	
		TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
DATE	TIME							
JUL								
12...	.11	.48	.59	.60	2.7	.01	5.6	
12...	.15	.35	.50	.50	2.2	.04	5.1	
13...	.10	.52	.62	--	--	--	--	
13...	.08	.58	.66	--	--	--	--	

ST. LOUIS BAY AND JOURDAN RIVER--CONTINUED

302024089213200 - JOURDAN RIVER AT MOUTH

024816742

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

		SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)		
DATE	TIME							
JUL								
12...	1101	1.0	23000	7.5	28.5	7.6		
12...	1102	5.0	24500	7.6	28.0	7.4		
12...	1103	10	27000	7.3	28.0	4.9		
12...	1901	1.0	17600	7.3	30.0	7.6		
12...	1902	5.0	19800	7.1	29.0	5.1		
12...	1903	10	27000	7.2	28.5	4.1		
13...	0951	1.0	24200	7.6	29.0	8.1		
13...	0952	5.0	24600	7.7	28.5	7.8		
13...	0953	10	25000	7.6	28.5	7.4		
13...	0954	15	32000	7.4	29.5	4.5		
13...	1931	1.0	17600	7.4	30.5	7.8		
13...	1932	5.0	20700	7.1	29.5	5.4		
13...	1933	10	24500	7.1	29.0	4.9		
13...	1934	13	32500	7.3	29.5	4.3		
		TUR- BID- ITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	
DATE	TIME							
JUL								
12...	1100	2.0	3.6	839	839	68	.01	
12...	1900	1.0	4.2	920	350	65	.00	
13...	0950	--	2.9	--	--	--	--	
13...	1930	--	3.9	--	--	--	--	
		TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
DATE	TIME							
JUL								
12...	.10	.39	.49	.50	2.2	.01	6.1	
12...	.12	.44	.56	.56	2.5	.05	5.6	
13...	.07	.36	.43	--	--	--	--	
13...	.09	.40	.49	--	--	--	--	

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

ST. LOUIS BAY AND JOURDAN RIVER--CONTINUED

302057089195300 - ST. LOUIS BAY AT CEDAR POINT

024816745

WATER QUALITY DATA* WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

		SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	
JUL							
12...	1116	1.0	27600	7.8	29.0	8.4	
12...	1117	5.0	30600	7.8	28.5	7.6	
12...	1911	1.0	21700	7.8	29.0	8.5	
12...	1912	5.0	28900	7.7	29.0	7.8	
13...	0946	1.0	29100	7.9	28.5	8.4	
13...	0947	5.0	32000	7.7	28.5	8.0	
13...	0948	8.0	35600	7.7	29.5	6.1	
13...	1941	1.0	21000	7.7	30.0	7.5	
13...	1942	5.0	28000	7.7	30.5	6.9	
		TUR- BID- ITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCL KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
DATE	TIME						
JUL							
12...	1115	1.0	4.5	823	816	72	.01
12...	1910	1.0	4.1	858	855	119	.00
13...	0945	--	2.6	--	--	--	--
13...	1940	--	4.4	--	--	--	--
		TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N03) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
DATE							
JUL							
12...	.08	.32	.40	.41	1.8	.01	5.0
12...	.05	.53	.58	.58	2.6	.04	6.7
13...	.09	.27	.36	--	--	--	--
13...	.07	.47	.54	--	--	--	--

ST. LOUIS BAY AND JOURDAN RIVER--CONTINUED

302014089190000 - ST. LOUIS BAY AT COWAND POINT

024816747

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JUL						
12...	1131	1.0	30000	7.9	28.5	8.5
12...	1132	5.0	33400	7.9	28.5	8.6
12...	1133	7.0	36200	7.9	29.0	8.8
12...	1916	1.0	26000	8.0	29.5	9.3
12...	1917	5.0	33300	7.8	29.5	8.2
13...	0941	1.0	34100	7.9	29.0	8.0
13...	0942	5.0	36500	7.9	29.5	7.2
13...	0943	10	36500	7.8	29.5	7.1
13...	1951	1.0	23300	7.7	30.0	8.7
13...	1952	5.0	34000	7.7	30.0	7.7

DATE	TIME	TUR- BID- ITY (NTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL CULI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
JUL							
12...	1130	1.0	2.9	B23	250	83	.01
12...	1915	1.0	3.4	B16	B68	45	.00
13...	0940	--	2.5	--	--	--	--
13...	1950	--	4.2	--	--	--	--

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N03) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
JUL							
12...	.09	.35	.44	.45	2.0	.01	5.7
12...	.05	.35	.40	.40	1.8	.04	6.1
13...	.11	.16	.27	--	--	--	--
13...	.05	.28	.33	--	--	--	--

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

ST. LOUIS BAY AND JOURDAN RIVER--CONTINUED

02481675 - ST. LOUIS BAY AT HWY 90 AT BAY ST. LOUIS, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JUL						
12...	1146	1.0	34800	7.9	30.0	7.7
12...	1147	5.0	36000	7.9	29.0	7.8
12...	1148	10	39200	7.8	29.0	6.1
12...	1931	1.0	27000	8.0	29.5	8.8
12...	1932	5.0	32200	8.0	29.0	8.5
12...	1933	10	37200	7.8	29.0	7.1
13...	0931	1.0	37300	7.9	28.5	7.4
13...	0932	5.0	38600	7.8	29.0	6.8
13...	0933	10	38800	7.8	29.0	6.6
13...	2001	1.0	30000	8.0	31.0	8.6
13...	2002	5.0	34000	8.0	31.0	8.7
13...	2003	10	36200	7.9	30.5	8.3

DATE	TIME	TUR- BID- ITY (NTU)	HIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
JUL							
12...	1145	1.0	1.6	8240	100	106	.01
12...	1930	1.0	2.4	861	120	79	.01
13...	0930	--	2.6	--	--	--	--
13...	2000	--	3.2	--	--	--	--
14...	0945	3.0	--	--	--	74	.05

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NU3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
JUL							
12...	.13	.25	.38	.39	1.7	.04	5.5
12...	.06	.37	.43	.44	1.9	.04	4.4
13...	.12	.29	.41	--	--	--	--
13...	.07	.31	.38	--	--	--	--
14...	.14	.69	.83	.88	3.9	.00	6.0

ST. LOUIS BAY AND JOURDAN RIVER--CONTINUED

02481675 - ST. LOUIS BAY AT HWY 90 AT HAY ST. LOUIS, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	COLOR (PLAT- INUM- CORALIT UNITS)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CAC03 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
JUL 14...	0945	20	4400	4300	190	950	110	0	90	2.2	1700

DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 100 C) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)
JUL 14...	13000	1.0	27200	37.0	2	7	0	<10	30	<10

DATE	TOTAL COBALT IN BOTTOM MA- TERIAL (UG/L)	TOTAL COBALT (CO) (UG/G)	TOTAL COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)
JUL 14...	0	<10	24	<10	1000	2900	9	<10	90	540

DATE	TOTAL MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL TI- TANIUM (TI) (UG/L)	TOTAL TITA- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
JUL 14...	.2	.0	0	0	0	4400	50	<20	0	1

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

ST. LOUIS BAY AND JOURDAN RIVER--CONTINUED

02481675 - ST. LOUIS BAY AT HWY 90 AT BAY ST. LOUIS, MISS.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)
JUL 14...	0945	.0	0	.00	.00	.0	.0	0	.00	.0	.00	.0

DATE		TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT- AZINON (UG/L)	DDT- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT- ELDRIN (UG/L)	DDT- ELURIN 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)
JUL 14...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.00	.0

DATE		TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)
JUL 14...	.00	.0	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.00

DATE		PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	2,4-D IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4,5-T (UG/L)	2,4,5-T IN BOTTOM MA- TERIAL (UG/KG)	TOTAL SILVEX (UG/L)	SILVEX IN BOTTOM MA- TERIAL (UG/KG)
JUL 14...	.0	0	0	0	.00	.0	.00	0	.00	0	.00	0

PEARL RIVER

An intensive study of the quality of water in the Pearl River was made in the Byram, Mississippi area in August 1977. Water samples were collected at approximately 2-mile intervals and quality water field determinations were made every mile in an 11-mile reach of the Pearl River between Byram and Terry, Mississippi. Listed below are site locations and results of laboratory and field determinations made during the study.

02486590 - PEARL RIVER AT BYRAM, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
AUG						
30...	0100	296	155	--	27.5	3.5
30...	0200	295	160	--	27.5	3.4
30...	0300	295	160	--	27.0	3.2
30...	0400	293	160	--	26.5	3.0
30...	0500	293	160	--	26.5	2.9
30...	0600	291	175	--	27.0	3.0
30...	0700	291	145	--	27.0	3.1
30...	0800	291	150	--	27.0	3.2
30...	0900	290	175	--	27.5	3.5
30...	0915	290	185	6.9	27.5	3.6
30...	1000	290	150	--	27.5	3.7
30...	1100	290	145	--	27.5	4.1
30...	1200	288	140	--	28.0	4.6
30...	1300	288	140	--	28.0	5.2
30...	1400	288	140	--	28.5	5.8
30...	1500	287	140	--	29.0	6.2
30...	1600	287	160	6.8	29.0	6.4
30...	1700	287	140	--	29.0	6.2
30...	1800	285	140	--	29.0	5.5
30...	1900	285	140	--	29.0	5.2
30...	2000	285	140	--	29.0	4.9
30...	2100	282	140	--	29.0	4.6
30...	2200	282	140	--	29.0	4.3
30...	2300	282	140	--	29.0	4.0
30...	2400	282	140	--	28.5	3.9
31...	0100	280	140	--	28.0	3.8
31...	0200	280	138	--	28.0	3.8
31...	0300	280	138	--	28.0	3.8
31...	0400	280	135	--	27.5	3.9
31...	0500	280	135	--	27.5	4.0
31...	0600	277	130	--	27.5	4.1
31...	0700	277	130	--	27.5	4.2
31...	0800	277	125	--	27.5	4.2
31...	0830	277	145	6.8	27.5	4.2
31...	0900	277	125	--	27.5	4.2
31...	1000	275	125	--	27.5	4.2
31...	1100	275	125	--	27.5	4.2
31...	1200	275	125	--	28.0	4.2
31...	1300	274	125	--	28.5	4.3
31...	1400	272	128	--	29.0	4.3
31...	1500	272	155	6.8	29.5	4.3
31...	1600	271	130	--	29.5	4.3
31...	1700	271	130	--	29.5	4.2
31...	1800	270	132	--	29.0	4.2
31...	1900	270	132	--	29.0	4.1
31...	2000	268	135	--	29.0	4.0
31...	2100	268	135	--	29.0	4.0
31...	2200	266	138	--	28.5	3.9
31...	2300	266	138	--	28.5	3.8
31...	2400	266	138	--	28.5	3.8

DATE	TIME	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLIFORMS (COL./100 ML)	FECAL STREPTOCOCCI (CFU/100 ML)	TOTAL NITRITE PLUS NITRATE (MG/L)	TOTAL AMMONIA NITROGEN (MG/L)	TOTAL ORGANIC NITROGEN (MG/L)	TOTAL KJELDAHL NITROGEN (MG/L)	TOTAL NITROGEN (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
AUG											
30...	0915	.8	>6000	680	.40	.55	.65	1.2	1.6	7.1	.57
30...	1600	.1	>6000	370	.70	.56	.74	1.3	2.0	8.9	.59
31...	0830	.4	>6000	560	.66	.64	.46	1.1	1.8	7.8	1.0
31...	1500	1.2	>6000	480	.70	.63	.33	.96	1.7	7.3	.92

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

PEARL RIVER--CONTINUED

02486502 - PEARL RIVER AT MI 270 NR BYRAM, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
AUG					
30...	0930	184	6.9	28.0	3.1
30...	1615	160	6.8	29.0	4.9
31...	0840	146	6.9	28.0	3.6
31...	1515	156	6.8	29.0	4.2

02486505 - PEARL RIVER AT MI 269 NR BYRAM, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
AUG					
30...	0945	194	6.9	28.0	2.6
30...	1630	164	6.8	29.0	3.7
31...	0845	154	6.9	28.0	3.9
31...	1530	154	6.8	29.5	4.3

DATE	TIME	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
AUG											
30...	0945	.2	>6000	8260	.30	.51	.59	1.1	1.4	6.2	.56
30...	1630	.1	83000	820	.68	.49	.61	1.1	1.8	7.9	.54
31...	0845	.0	>6000	320	.71	.75	.55	1.3	2.0	8.9	1.1
31...	1530	1.8	>6000	620	.73	.62	.58	1.2	1.9	8.5	1.1

02486555 - PEARL RIVER AT MI 268 NR BYRAM, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
AUG					
30...	1000	198	6.8	28.0	2.7
30...	1640	172	6.8	29.5	3.4
31...	0900	165	6.9	28.5	3.2
31...	1550	153	6.9	29.5	4.4

PEARL RIVER--CONTINUED

02486558 - PEARL RIVER AT MI 267 NR BYRAM, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

				SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)				
		DATE	TIME		(UNITS)						
		AUG									
		30...	1015	180	6.8	28.0	3.3				
		30...	1645	185	6.8	29.5	3.0				
		31...	0915	161	6.9	28.5	3.8				
		31...	1600	155	6.9	29.5	4.1				
DATE	TIME	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
AUG											
30...	1015	.4	>6000	520	.47	.32	.64	.96	1.4	6.3	.49
30...	1645	.8	>6000	640	.45	.49	.51	1.0	1.5	6.4	.59
31...	0915	.1	>6000	920	.81	.82	.48	1.3	2.1	9.3	1.0
31...	1600	.5	>6000	8210	.78	.60	.70	1.3	2.1	9.2	1.0

02486563 - PEARL RIVER AT MI 266 NR BYRAM, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
AUG					
30...	1045	166	6.8	28.5	3.7
30...	1700	193	6.8	29.0	2.9
31...	0930	158	6.9	28.5	3.4
31...	1620	162	6.8	29.5	4.2

02486568 - PEARL RIVER AT MI 265 NR TERRY, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

		SPECIFIC CONDUCTANCE (MICROMHOS)					PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)			
DATE		TIME										
AUG												
30...		1050	160					6.8	28.5	3.9		
30...		1715	192					6.8	29.5	3.0		
31...		0945	160					7.0	28.0	3.4		
31...		1630	164					6.8	29.5	4.1		
DATE		TIME	RIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLIFORM (COL./100 ML)	FECAL STREPTOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
AUG												
30...	1050		.1	>6000	580	.73	.35	.63	.98	1.7	7.6	.50
30...	1715		.8	>6000	660	.40	.27	.52	.79	1.2	5.3	.45
31...	0945		.3	>6000	720	.88	.70	.60	1.3	2.2	9.7	.82
31...	1630		.1	>6000	560	.87	.73	.77	1.5	2.4	11	1.2

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

PEARL RIVER--CONTINUED

02486572 - PEARL RIVER AT MI 264 NR TERRY, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
AUG					
30...	1110	159	6.8	28.5	4.2
30...	1730	178	6.8	29.5	3.4
31...	1000	158	7.0	28.0	3.7
31...	1650	164	6.9	29.5	4.3

02486578 - PEARL RIVER AT MI 263 NR TERRY, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
AUG					
30...	1120	161	6.9	28.0	4.2
30...	1745	162	6.8	29.5	3.6
31...	1015	160	7.0	28.0	3.4
31...	1700	164	6.8	29.5	3.9

DATE	TIME	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
AUG											
30...	1120	.7	>6000	230	.92	.26	.50	.76	1.7	7.4	.46
30...	1745	.0	8820	880	.75	.25	.55	.80	1.6	6.9	.49
31...	1015	.0	>6000	390	.94	.31	.69	1.0	1.9	8.6	.56
31...	1700	1.0	>6000	760	.98	.57	.53	1.1	2.1	9.2	.84

02486664 - PEARL RIVER AT MI 262 NR TERRY, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
AUG					
30...	1135	160	6.9	28.0	4.3
30...	1800	155	6.8	29.0	3.7
31...	1045	165	6.9	28.0	3.9
31...	1720	162	6.9	29.0	3.9

PEARL RIVER--CONTINUED

02486668 - PEARL RIVER AT MI 261 NR TERRY, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

		SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)					PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)		
		DATE	TIME								
AUG											
		30...	1145	153	6.9	28.5	4.2				
		30...	1810	157	6.8	29.0	3.9				
		31...	1115	175	6.8	28.0	3.2				
		31...	1730	163	6.9	29.0	3.9				
DATE	TIME	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
AUG											
30...	1145	.4	>6000	600	.91	.13	.59	.72	1.6	7.2	.41
30...	1810	.0	>6000	310	.92	.23	.43	.66	1.6	7.0	.45
31...	1115	.4	>6000	390	.74	.25	.55	.80	1.5	6.8	.49
31...	1730	.9	>6000	894	.97	.28	.72	1.0	2.0	8.7	.52

02486698 - PEARL RIVER AT MI 260 NR TERRY, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
AUG					
30...	1200	150	7.0	28.5	4.2
30...	1815	157	6.9	28.5	3.3
31...	1130	180	6.8	28.5	3.2
31...	1745	167	6.9	29.0	3.6

PEARL RIVER--CONTINUED

02486700 - PEARL RIVER NH TERRY, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
AUG						
30...	0800	352	150	--	28.0	4.4
30...	0900	348	150	--	28.0	4.4
30...	1000	342	150	--	28.0	4.4
30...	1100	342	150	--	28.0	4.5
30...	1200	338	152	--	28.0	4.6
30...	1245	338	154	6.9	28.5	4.7
30...	1300	338	154	--	29.0	4.8
30...	1400	332	154	--	29.5	5.0
30...	1500	332	154	--	29.5	5.2
30...	1600	328	154	--	30.0	5.4
30...	1700	328	156	--	30.0	5.3
30...	1800	322	156	--	30.0	5.2
30...	1845	319	158	6.8	30.0	5.2
30...	1900	318	154	--	29.5	5.1
30...	2000	318	154	--	29.5	5.0
30...	2100	318	154	--	29.5	4.9
30...	2200	312	154	--	29.5	4.8
30...	2300	312	154	--	29.0	4.7
30...	2400	308	154	--	29.0	4.5
31...	0100	308	155	--	29.0	4.4
31...	0200	303	155	--	29.0	4.2
31...	0300	303	158	--	28.5	4.1
31...	0400	303	160	--	28.5	3.9
31...	0500	300	162	--	28.5	3.8
31...	0600	300	165	--	28.5	3.6
31...	0700	300	168	--	28.5	3.5
31...	0800	295	170	--	28.5	3.3
31...	0900	295	172	--	28.5	3.2
31...	1000	295	176	--	28.5	3.1
31...	1100	288	180	--	28.5	3.4
31...	1200	288	180	7.0	28.5	3.5
31...	1300	288	175	--	28.5	3.5
31...	1400	284	174	--	29.0	3.6
31...	1500	284	174	--	29.0	3.7
31...	1600	284	172	--	29.0	3.8
31...	1700	280	172	--	29.0	3.8
31...	1800	280	172	--	29.0	3.8
31...	1830	280	174	6.9	29.0	3.8
31...	1900	280	172	--	29.0	3.7
31...	2000	275	170	--	29.0	3.7
31...	2100	275	170	--	29.0	3.7
31...	2200	275	170	--	29.0	3.6
31...	2300	275	168	--	29.0	3.6
31...	2400	275	168	--	29.0	3.6

DATE	TIME	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N03) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
AUG											
30...	1245	1.3	>6000	1200	.92	.13	.64	.77	1.7	7.5	.46
30...	1845	.2	>6000	820	.92	.12	.54	.66	1.6	7.0	.40
31...	1200	.1	>6000	660	.59	.13	.42	.55	1.1	5.0	.42
31...	1830	2.4	>6000	1100	.82	.20	.64	.84	1.7	7.3	.45

PEARL RIVER--CONTINUED

02486700 - PEARL RIVER NW TERRY, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	TUR- BID- ITY (NTU)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	ALKA- LINITY AS CACO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)
AUG 31...	1830	15	37	5	11	1.9	2.2	39	0	32	13

DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED SILICA (SI0 ₂) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 100 C) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)
AUG 31...	11	5.9	98	.13	74.1	1	4	0	<10	<10

DATE	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL COBALT (CO) (UG/L)	TOTAL COBALT IN BOTTOM MA- TERIAL (UG/G)	TOTAL COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)
AUG 31...	30	0	<10	5	<10	1300	920	13	<10	190

DATE	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
AUG 31...	30	.2	.0	0	0	20	30	5.2	0	2

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

PEARL RIVER--CONTINUED

02486700 - PEARL RIVER NM TERRY, MS.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)
AUG 31...	.0	0	.00	.00	.0	.0	4	.00	.4	.00	.5	.00
DATE	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	
AUG 31...	.3	.05	.0	.00	.0	.00	.0	.00	.0	.00	.0	
DATE	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL PARA- THION (UG/L)	
AUG 31...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	
DATE	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	2,4-D IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4,5-T (UG/L)	2,4,5-T IN BOTTOM MA- TERIAL (UG/KG)	TOTAL SILVEX (UG/L)	SILVEX IN BOTTOM MA- TERIAL (UG/KG)	
AUG 31...	.0	0	0	.00	.0	.03	0	.03	0	.00	0	

TILLATOBA CREEK BASIN

An intensive study of the quality of water in the Tillatoba Creek Basin was made in the Charleston, Mississippi area on May 25, 1977. Water samples were collected and discharge measurements were made at 12 sites in the basin. Listed below are site locations and results of laboratory and field determinations made during the study.

07280250 - TILLATOBA CREEK SOUTHEAST OF OAKLAND, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAY 25...	0800	.79	130	6.7	22.5	7.8

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY 25...	0800	5	4.0	430	.01	.00	.01

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
MAY 25...	.13	.45	.58	.59	2.6	.05	.00

07280264 - TILLATOBA CREEK NEAR TILLATOBA, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAY 25...	0930	2.3	130	6.6	22.0	7.5

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY 25...	0930	5	5.0	2600	.08	.01	.09

DATE	TIME	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
MAY 25...	.13	.28	.41	.50	2.2	.04	.01	

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

TILLATOBA CREEK BASIN--CONTINUED

07280270 - TILLATOBA CREEK BELOW OAKLAND, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAY						
24...	1600	2.7	123	--	30.0	--
24...	1700	2.7	123	--	29.0	--
24...	1800	2.7	123	--	28.5	--
24...	1900	2.7	123	--	27.5	--
24...	2000	2.7	123	--	26.5	--
24...	2100	2.8	124	--	26.0	--
24...	2200	2.7	124	--	25.5	--
24...	2300	2.8	125	--	24.5	--
24...	2400	2.7	125	--	24.0	--
25...	0100	2.7	125	--	23.5	--
25...	0200	2.6	125	--	23.0	--
25...	0300	2.7	125	--	23.0	--
25...	0400	2.7	125	--	22.5	--
25...	0500	2.7	126	--	22.0	--
25...	0600	2.7	126	--	21.0	--
25...	0700	2.7	126	--	21.0	--
25...	0800	2.8	126	--	22.0	--
25...	0900	2.8	125	--	23.0	--
25...	1000	3.0	124	--	25.0	--
25...	1100	3.0	123	6.7	26.0	7.2
25...	1200	2.8	123	--	28.0	--
25...	1300	2.8	123	--	30.0	--
25...	1400	2.8	122	--	29.5	--
25...	1500	2.7	122	--	30.0	--
25...	1600	2.7	123	--	29.5	--
25...	1700	2.8	123	--	28.0	--
25...	1800	2.8	123	--	27.0	--
25...	1900	2.8	123	--	26.5	--
25...	2000	2.8	124	--	25.5	--
25...	2100	2.7	125	--	25.0	--
25...	2200	2.7	125	--	24.0	--
25...	2300	2.8	126	--	24.0	--
25...	2400	3.0	126	--	24.0	--
26...	0100	3.0	126	--	23.5	--
26...	0200	3.0	126	--	23.0	--
26...	0300	3.0	127	--	22.5	--
26...	0400	3.0	127	--	22.0	--
26...	0500	3.0	127	--	21.5	--
26...	0600	3.0	127	--	21.0	--
26...	0700	3.0	126	--	21.0	--
26...	0800	3.0	125	--	22.0	--

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY							
25...	1100	5	5.0	4600	.08	.01	.09

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
MAY							
25...	.16	.43	.59	.68	3.0	.06	.01

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

TILLATOBA CREEK BASIN--CONTINUED

07280275 - DAVIS CREEK NEAR SCOBEE, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAY 25...	1015	.10	88	6.6	21.0	5.4

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY 25...	1015	5	4.0	500	.20	.02	.22

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
MAY 25...	.10	.20	.30	.52	2.3	.06	.01

07280280 - DAVIS CREEK NEAR TILLATOBA, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAY 25...	1115	.86	71	7.2	21.5	6.9

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY 25...	1115	5	10	390	.12	.00	.12

DATE	TIME	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
MAY 25...	.02	.22	.24	.36	1.6	.05	.01

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

TILLATOBA CREEK BASIN--CONTINUED

07280285 - SOUTH FORK TILLATOBA CREEK SW OF TILLATOBA, MISS

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAY 25...	1200	1.6	82	6.8	25.5	6.6

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY 25...	1200	60	20	330	.06	.01	.07

DATE	TIME	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
MAY 25...	.07	.12	.19	.26	1.2	.08	.03	

07280290 - SIMMONS CREEK NEAR TILLATOBA, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAY 25...	0800	.25	106	6.7	20.5	6.2

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY 25...	0800	5	7.0	88500	.01	.00	.01

DATE	TIME	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
MAY 25...	.05	.27	.32	.33	1.5	.05	.01	

TILLATOBA CREEK BASIN--CONTINUED

07280295 - SIMMONS CREEK AT TILLATOBA, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAY 25...	0915	.39	123	7.0	22.0	5.7

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY 25...	0915	5	7.0	2400	.02	.01	.03

DATE	TIME	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
MAY 25...	.08	.22	.30	.33	1.5	.06	.01	

07280330 - SOUTH FORK TILLATOBA CREEK NEAR TILLATOBA, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAY 25...	1300	3.7	108	7.1	27.5	7.4

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY 25...	1300	5	9.0	8170	.05	.01	.06

DATE	TIME	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
MAY 25...	.07	.28	.35	.41	1.8	.09	.02	

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

TILLATOBA CREEK BASIN--CONTINUED

07280340 - SOUTH FORK TILLATOBA CREEK NR CHARLESTON, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHUS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
MAY 25...	1430	4.9	114	7.1	30.0	7.0

DATE	TIME	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	FECAL COLIFORMS (7UM-MF) (COL./100 ML)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY 25...	1430	5	10	410	.00	.00	.00

DATE	TIME	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
MAY 25...	.08	.24	.32	.32	1.4	.07	.01	

07280365 - TILLATOBA CREEK NR CHARLESTON, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHUS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
MAY 25...	1300	8.8	110	6.8	29.0	6.4

DATE	TIME	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	FECAL COLIFORMS (7UM-MF) (COL./100 ML)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY 25...	1300	5	4.0	84800	.01	.00	.01

DATE	TIME	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
MAY 25...	.22	.73	.95	.96	4.3	.07	.01	

TILLATOBA CREEK BASIN--CONTINUED

07280400 - TILLATOBA CREEK AT CHARLESTON, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAY 25...	1500	11	135	7.1	31.0	6.2

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY 25...	1500	5	4.0	3400	.00	.00	.00

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
MAY 25...	.13	.43	.56	.56	2.5	.07	.01

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

LITTLE TANGIPAHOA RIVER

An intensive study of the quality of water in the Little Tangipahoa River was made in the McComb, Mississippi area in July 1977. Water samples were collected and quality water field determinations were made at 6 sites on Little Tangipahoa River and its tributaries from McComb to Magnolia, Mississippi. Listed below are site locations and results of laboratory field determinations made during the study.

07375242 - LITTLE TANGIPAHOA RIVER AT MCCOMB, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JUL						
25...	1545	.40	175	6.2	26.5	6.7
26...	0600	.81	180	6.2	24.5	4.7
26...	0700	.75	178	--	24.5	4.6
26...	0800	.68	176	--	24.5	4.5
26...	0900	.61	175	6.1	24.5	4.5
26...	1000	.54	174	--	24.5	4.7
26...	1100	.47	172	--	25.0	4.9
26...	1200	.47	170	6.1	25.5	4.9
26...	1300	.47	167	--	26.0	5.0
26...	1400	.47	163	--	26.0	5.2
26...	1500	.47	160	6.1	26.5	5.4
26...	1600	.47	155	--	26.5	5.6
26...	1700	.40	150	--	26.5	5.8
26...	1710	.40	150	6.4	26.5	5.8
26...	1800	.40	143	--	26.5	5.4
26...	1900	.40	137	--	26.5	5.0
26...	2000	.34	126	--	26.0	4.6
26...	2040	.34	120	6.1	26.0	4.2
26...	2100	.34	120	--	26.0	4.1
26...	2200	.34	123	--	25.5	3.7
26...	2300	.34	126	--	25.0	3.4
26...	2400	.40	128	--	25.0	3.3
27...	0015	.40	130	6.1	25.0	3.3
27...	0100	.40	129	--	25.0	3.2
27...	0200	.47	123	--	24.5	3.2
27...	0300	.47	120	6.0	24.5	3.2
27...	0400	.47	120	--	24.5	3.2
27...	0500	.47	120	--	24.0	3.2
27...	0600	.47	120	6.2	24.0	3.2
27...	0700	.47	118	--	24.0	3.2
27...	0800	.47	116	--	24.0	3.3
27...	0900	.47	115	5.8	24.0	3.3
27...	1000	.47	114	--	24.5	3.6
27...	1100	.47	114	--	25.0	4.0
27...	1200	.40	112	--	25.5	4.5
27...	1215	.40	110	6.1	25.5	4.7
27...	1300	.40	110	--	26.0	5.0
27...	1400	.40	110	--	26.5	5.5
27...	1500	.34	112	6.1	27.0	5.9
27...	1600	.34	112	--	27.0	6.0
27...	1700	.27	110	--	27.0	5.9
27...	1745	.27	108	6.0	25.0	5.8
27...	1800	.27	108	--	26.5	5.7
27...	1900	.34	107	--	26.5	5.3
27...	2000	.34	106	--	26.0	4.9
27...	2100	.34	105	--	26.0	4.6
27...	2115	.34	105	6.0	26.0	4.5
27...	2200	.34	103	--	25.5	4.5
27...	2300	.34	103	--	25.5	4.3
27...	2400	.40	105	--	25.0	4.1

LITTLE TANGIPAHOA RIVER--CONTINUED

07375242 - LITTLE TANGIPAHOA RIVER AT MCCOMB, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

				INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)				
DATE		TIME										
JUL												
28...		0015	.40	95	6.0	25.0	4.0					
28...		0100	2.4	105	--	24.5	3.9					
28...		0200	5.0	110	--	24.5	3.9					
28...		0230	6.3	136	6.0	24.5	3.9					
28...		0300	6.0	185	--	24.5	4.0					
28...		0400	5.3	210	--	24.5	4.0					
28...		0500	4.7	240	--	24.5	4.0					
28...		0600	4.1	270	--	25.0	4.0					
28...		0700	3.6	300	--	25.0	4.1					
28...		0745	3.3	300	6.0	25.0	4.4					
28...		0800	3.2	300	--	25.0	4.4					
28...		0900	2.8	280	6.4	25.0	4.5					
28...		1000	2.5	275	--	25.5	4.7					
28...		1100	2.2	260	--	26.0	4.9					
28...		1200	2.0	245	--	26.0	5.0					
28...		1215	1.9	240	6.4	26.0	5.1					
28...		1300	1.8	235	--	26.0	5.1					
28...		1400	1.7	230	--	26.0	5.1					
28...		1500	1.6	210	6.4	26.0	5.1					
28...		1600	1.6	190	--	26.0	5.0					
28...		1700	1.5	185	--	25.5	5.0					
28...		1800	1.5	175	--	25.5	5.0					
28...		1810	1.5	165	6.4	25.5	5.0					
28...		1900	1.6	160	--	25.5	4.9					
28...		2000	1.6	155	--	25.0	4.8					
28...		2100	1.7	146	6.4	25.0	4.7					
28...		2200	1.6	140	--	25.0	4.6					
28...		2300	1.5	130	--	25.0	4.5					
28...		2400	1.5	125	--	25.0	4.4					
29...		0030	1.5	120	6.5	25.0	4.4					
29...		0100	1.4	120	--	25.0	4.3					
29...		0200	1.3	115	--	25.0	4.3					
29...		0250	1.2	112	6.3	25.0	4.2					
29...		0300	1.2	112	--	25.0	4.2					
29...		0400	1.1	108	--	24.5	4.2					
29...		0500	1.0	106	--	24.5	4.1					
29...		0600	.96	104	--	25.0	4.0					
29...		0700	.89	103	--	25.0	4.0					
29...		0800	.82	102	--	25.0	4.1					
29...		0900	.74	102	--	25.0	4.3					
DATE	TIME	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (5 DAY (MG/L)	FECAL COLI- FORM 7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
JUL												
26...	0600	15	.8	210	5500	.13	.07	.00	.06	.19	.84	.04
26...	1200	15	.2	120	1600	.16	.06	.41	.63	2.8	.04	.04
26...	1710	10	.3	817000	550	.17	.06	.21	.27	.44	1.9	.04
27...	0015	15	1.2	811000	400	.19	.06	.06	.12	.31	1.4	.04
27...	0600	15	.7	84300	320	.19	.06	.20	.26	.45	2.0	.04
27...	1215	15	.8	86900	260	.17	.04	.43	.64	.74	2.8	.04
27...	1745	20	3.4	>6000	140	.17	.07	.50	.57	.74	3.3	.04
28...	0015	20	2.5	877000	1500	.17	.08	.30	.38	.55	2.4	.04
28...	0745	15	2.1	846000	2300	.08	.18	.44	.62	.70	3.1	.03
28...	1215	15	1.7	8180000	1400	.11	.19	.43	.62	.73	3.2	.08
28...	1810	10	3.7	810000	1700	.13	.18	.29	.47	.60	2.7	.05
29...	0030	20	2.7	5200	1400	.15	.13	.57	.70	.85	3.8	.05

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

LITTLE TANGIPAHOA RIVER--CONTINUED

07375243 - LITTLE TANGIPAHOA RIVER NR FERNWOOD, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

				INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)					
		DATE	TIME										
JUL													
		27...	0630	2.2	155	6.6	24.0	1.8					
		27...	0930	2.2	160	6.4	24.0	2.1					
		27...	1245	2.2	150	6.7	26.0	4.2					
		27...	1530	2.2	155	6.7	26.0	3.8					
		27...	1825	2.2	151	6.7	26.0	2.9					
		27...	2020	2.1	159	6.7	25.5	1.7					
		28...	0045	2.2	161	6.7	25.0	1.6					
		28...	0255	1.6	165	6.7	24.5	1.6					
		28...	0700	6.5	190	6.7	25.0	3.4					
		CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	
DATE		TIME											
JUL													
27...		0630	30	1.7	316000	750	.24	1.6	1.2	2.8	3.0	13	1.4
27...		1245	40	5.2	340000	6800	.30	1.6	1.8	3.4	3.7	16	1.5
27...		1825	35	4.4	270000	480	.36	1.5	.80	2.3	2.7	12	1.6
28...		0045	40	6.0	>6000	2200	.28	1.7	1.6	3.3	3.6	16	1.7
28...		0700	55	6.8	>6000	3400	.13	2.1	2.0	4.1	4.2	19	.43

07375244 - TOWN CREEK AT MCCOMB, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

				INSTAN- TANEOUS DIS- CHARGE (CFS)		SPEC- IFIC CON- DUCT- ANCE (MICRO- MHOS)		PH (UNITS)		TEMPER- ATURE (DEG C)		DIS- SOLVED OXYGEN (MG/L)					
DATE		TIME															
JUL																	
27...		0615		.39		450		6.8		25.0		1.1					
27...		0915		.42		500		6.6		25.5		2.0					
27...		1230		.44		450		6.8		28.5		1.3					
27...		1515		.42		450		6.9		30.0		1.6					
27...		1805		.42		500		6.7		29.5		.7					
27...		2010		.42		500		6.8		28.0		1.1					
28...		0030		.74		140		6.9		27.5		2.6					
28...		0240		.58		190		6.9		26.0		1.9					
28...		0730		.44		250		6.9		25.5		1.7					
		CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM 7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHURUS (P) (MG/L)					
JUL																	
27...	0615	50	8.2	>6000	360000	.01	1.6	1.3	2.9	2.9	13	.98					
27...	1230	100	>14	>6000	360000	.02	2.1	4.2	6.3	6.3	28	1.1					
27...	1805	90	>16	>6000	379000	.03	2.1	2.5	4.6	4.6	21	2.6					
28...	0030	65	17	>6000	367000	.35	.39	1.2	1.6	2.0	8.6	.51					
28...	0730	45	8.4	>6000	362000	.09	.59	1.0	1.6	1.7	7.5	.83					

LITTLE TANGIPAHOA RIVER--CONTINUED

07375246 - TOWN CREEK NR FERNWOOD, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

				INSTAN- TANEOUS		SPE- CIFIC CON- DUCT-						DIS- SOLVED													
				DIS- CHARGE		ANCE- (MICRO-		PH		TEMPER-		OXYGEN													
		DATE		TIME		MHUS)		(UNITS)		ATURE		(MG/L)													
						(CFS)				(DEG C)															
JUL																									
		27...		0645		3.8		310		6.7		25.0													
		27...		0945		3.8		325		6.7		26.0													
		27...		1300		3.8		270		7.0		29.0													
		27...		1540		3.8		300		7.0		30.0													
		27...		1835		3.8		275		6.9		29.5													
		27...		2030		3.8		315		6.9		28.5													
		28...		0055		7.2		320		6.9		26.5													
		28...		0305		3.9		285		6.8		26.0													
		28...		0645		4.0		260		6.8		25.5													
		CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)		BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)		FECAL COLI- FORM .7UM-MF (COL./ 100 ML)		FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)		TOTAL NITRITE PLUS NITRATE (N) (MG/L)		TOTAL AMMONIA NITRO- GEN (N) (MG/L)		TOTAL ORGANIC NITRO- GEN (N) (MG/L)		TOTAL KJFL- DAHL NITRO- GEN (N) (MG/L)		TOTAL NITRO- GEN (N) (MG/L)		TOTAL NITRO- GEN (NO3) (MG/L)		TOTAL PHOS- PHURUS (P) (MG/L)			
DATE		TIME																							
JUL																									
27...		0645		65		6.8		2160000		3500		.57		3.8		3.2		7.0		7.6		34		3.8	
27...		1300		60		4.0		2140000		1200		.68		3.6		3.3		6.9		7.6		34		4.7	
27...		1835		75		15		2200000		3000		.61		3.5		4.5		8.0		8.6		38		4.6	
28...		0055		85		>17		>6000		8900		.66		3.4		3.9		7.3		8.0		35		4.8	
28...		0645		60		12		>6000		5600		.39		2.7		2.3		5.0		5.4		24		3.3	

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

LITTLE TANGIPAHOA RIVER--CONTINUED

07375247 - LITTLE TANGIPAHOA RIVER AT FERNWOOD, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JUL						
26...	0700	13	165	6.3	25.0	3.8
26...	0800	12	172	--	25.0	3.7
26...	0900	11	180	--	25.0	4.0
26...	0930	10	185	6.5	25.0	4.3
26...	1000	9.6	188	--	25.5	4.5
26...	1100	9.2	190	--	25.5	4.9
26...	1200	8.7	194	--	26.0	5.3
26...	1230	8.7	195	6.6	26.0	5.5
26...	1300	8.7	196	--	26.0	5.7
26...	1400	8.2	198	--	27.0	6.2
26...	1500	7.8	200	--	28.0	6.6
26...	1530	7.8	200	6.5	28.5	6.8
26...	1600	7.3	202	--	28.5	6.7
26...	1700	6.8	206	--	28.5	6.2
26...	1740	6.3	208	6.6	28.0	6.0
26...	1800	6.3	208	--	28.0	5.9
26...	1900	6.8	208	--	28.0	5.7
26...	2000	6.8	208	--	28.0	5.1
26...	2100	6.8	210	6.4	27.5	4.6
26...	2200	6.8	210	--	27.0	4.1
26...	2300	6.8	210	--	27.0	3.4
26...	2400	6.8	212	--	26.5	3.1
27...	0040	6.8	212	6.5	26.0	2.9
27...	0100	6.8	212	--	26.0	2.9
27...	0200	6.3	212	--	26.0	2.8
27...	0245	5.8	211	6.6	26.0	2.9
27...	0300	5.8	215	--	26.0	2.9
27...	0400	5.3	220	--	26.0	2.9
27...	0500	5.3	225	--	25.5	3.0
27...	0600	5.3	230	--	25.5	3.1
27...	0700	4.8	235	6.5	25.0	3.1
27...	0800	4.8	238	--	25.0	3.3
27...	0900	4.8	240	--	25.0	3.6
27...	1000	4.8	240	6.4	25.0	4.3
27...	1100	4.8	240	--	25.5	5.0
27...	1200	4.8	238	--	25.5	5.7
27...	1300	4.8	234	--	26.0	6.4
27...	1315	4.8	230	6.6	26.0	6.4
27...	1400	4.8	230	--	26.5	6.5
27...	1500	4.8	230	--	27.5	7.2
27...	1545	4.8	230	6.8	28.0	7.9
27...	1600	4.8	228	--	28.0	8.0
27...	1700	4.8	224	--	28.0	7.8
27...	1800	4.8	220	--	28.0	7.1
27...	1850	4.8	210	6.7	28.0	6.6
27...	1900	4.8	220	--	28.0	6.5
27...	2000	4.8	220	--	28.0	5.9
27...	2040	4.8	225	6.7	28.0	5.3
27...	2100	4.8	225	--	28.0	5.0
27...	2200	4.8	225	--	27.5	4.3
27...	2300	4.8	225	--	27.0	3.9
27...	2400	4.8	220	--	27.0	3.4

LITTLE TANGIPAHOA RIVER--CONTINUED

07375247 - LITTLE TANGIPAHOA RIVER AT FERNWOOD, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

				INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)				
DATE		TIME										
JUL												
28...		0100		5.3	220	--	26.5	3.1				
28...		0110		5.3	215	6.8	26.5	3.0				
28...		0200		9.6	220	--	26.5	3.0				
28...		0300		14	230	--	26.0	2.9				
28...		0320		16	235	6.7	26.0	2.9				
28...		0400		14	250	--	26.0	2.8				
28...		0500		11	275	--	25.5	2.7				
28...		0600		8.2	280	--	25.5	2.8				
28...		0630		6.8	280	6.7	25.0	2.8				
28...		0700		8.7	280	--	25.0	2.7				
28...		0800		12	280	--	25.0	2.5				
28...		0900		15	230	--	25.0	3.2				
28...		0930		18	200	6.7	25.0	3.8				
28...		1000		16	190	--	25.0	4.3				
28...		1100		15	190	--	25.5	5.3				
28...		1200		13	200	--	26.0	6.1				
28...		1230		12	200	6.8	26.0	6.3				
28...		1300		12	200	--	26.0	6.3				
28...		1400		11	195	--	26.5	7.0				
28...		1500		9.6	185	--	27.5	7.2				
28...		1515		9.6	180	6.8	27.5	7.0				
28...		1600		9.2	185	--	27.5	7.1				
28...		1700		8.2	185	--	27.5	6.9				
28...		1800		7.8	185	--	27.5	6.6				
28...		1825		7.8	185	6.8	27.5	6.2				
28...		1900		8.2	190	--	27.5	5.9				
28...		2000		9.2	192	--	27.0	5.5				
28...		2100		11	198	--	26.5	5.0				
28...		2125		12	198	6.8	26.5	4.7				
28...		2200		11	200	--	26.5	4.3				
28...		2300		9.6	210	--	26.0	3.7				
28...		2400		8.7	215	--	26.0	3.3				
29...		0045		8.2	215	6.8	26.0	3.2				
29...		0100		8.2	215	--	26.0	3.1				
29...		0200		7.8	215	--	26.0	3.0				
29...		0235		7.8	215	6.8	26.0	3.0				
29...		0300		7.8	220	--	26.0	3.0				
29...		0400		7.3	240	--	26.0	2.9				
29...		0500		6.8	245	--	25.5	2.8				
29...		0600		6.8	240	--	25.5	2.8				
29...		0700		6.3	235	--	25.0	2.8				
29...		0800		6.3	230	--	25.0	3.0				
29...		0900		5.8	230	--	25.0	3.4				
29...		0930		5.8	230	--	25.0	3.8				
DATE	TIME	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCEI KF AGAR (COL. PER 100 ML)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
JUL												
26...	0700	40	4.4	855000	820000	.58	2.4	1.3	3.7	4.3	19	2.7
26...	1230	40	6.5	520	4900	.68	1.6	1.7	3.3	4.0	18	1.7
26...	1740	45	6.4	814000	460	.75	1.8	1.7	3.5	4.3	19	2.1
27...	0040	65	8.0	889000	1100	.55	2.2	3.1	5.3	5.9	26	.52
27...	0700	30	1.6	892000	780	.64	1.1	1.0	2.1	2.7	12	1.1
27...	1315	50	8.2	854000	9900	.66	2.2	1.8	4.0	4.7	21	2.8
27...	1850	55	13	851000	840	.82	2.0	2.1	4.1	4.9	22	2.8
28...	0110	40	9.2	8260000	1700	.62	2.3	1.7	4.0	4.6	20	2.8
28...	0630	40	7.2	>6000	85700	.51	2.3	1.8	4.1	4.6	20	1.9
28...	1230	40	11	>6000	980	.49	1.6	1.6	3.2	3.7	16	2.2
28...	1515	40	--	--	--	.56	1.1	1.6	2.7	3.3	14	1.9
28...	1825	40	8.8	815000	560	.66	1.1	1.4	2.5	3.2	14	2.0
29...	0045	45	15	818000	720	.57	1.6	2.1	3.7	4.3	19	2.7

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

LITTLE TANGIPAHOA RIVER--CONTINUED

07375247 - LITTLE TANGIPAHOA RIVER AT FERNWOOD, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG)	DIS- SOLVED MAG- NE- SIUM (MG)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CAC03 (MG/L)
JUL 28...	1515	80	15	22	0	6.4	1.4	1.5	41	0	34
DATE	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (TUNS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	
JUL 28...	9.9	21	20	117	.16	3.03	1	1	0	<10	
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 IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	
JUL 28...	<10	<10	0	<10	4	<10	1400	970	6	<10	
DATE	TOTAL MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	OIL AND GREASE (MG/L)	
JUL 28...	430	240	.0	.0	0	0	20	10	8.2	0	

LITTLE TANGIPAHOA RIVER--CONTINUED

07375247 - LITTLE TANGIPAHOA RIVER AT FERNWOOD, MS.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)
JUL 28...	.0	0	.00	.00	.0	.0	2	.00	.0	.00	.2	.00

DATE	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)
JUL 28...	.0	.05	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL PARA- THION (UG/L)
JUL 28...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	2,4-D IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4,5-T (UG/L)	2,4,5-T IN BOTTOM MA- TERIAL (UG/KG)	TOTAL SILVEX (UG/L)	SILVEX IN BOTTOM MA- TERIAL (UG/KG)
JUL 28...	.0	0	0	.00	.0	.00	0	.00	0	.00	0

07375250 - LITTLE TANGIPAHOA RIVER AT MAGNOLIA, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JUL						
27...	0715	15	120	6.6	24.0	4.1
27...	1015	15	125	6.4	24.5	5.1
27...	1345	14	120	6.9	26.0	7.0
27...	1600	14	120	6.9	27.0	7.2
27...	1905	14	140	6.9	27.0	7.0
27...	2055	14	133	6.8	26.5	5.5
28...	0130	26	290	6.5	25.0	3.7
28...	0335	14	220	6.4	24.0	3.3
28...	0615	15	145	6.6	24.0	3.6

DATE	TIME	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLIFORM 7UM-MF (COL./ 100 ML)	FECAL STREPTOCOCCI KF AGAR (COL. PER 100 ML)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N03) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
JUL												
27...	0715	20	1.4	835000	1000	.93	.52	.78	1.3	2.2	9.9	.61
27...	1345	20	>8.3	946000	420	.78	.32	.78	1.1	1.9	8.3	.62
27...	1905	20	5.9	964000	7500	.79	.27	.83	1.1	1.9	8.4	.88
28...	0130	30	7.2	>6000	860000	6.7	9.6	2.4	12	19	83	2.0
28...	0615	30	4.1	8130000	1500	.79	.51	1.2	1.7	2.5	11	1.0

ADAMS COUNTY

313554091201201. Local number, D1.

LOCATION.--Lat 31°35'54", long 91°20'12", Hydrologic Unit 08060204, sec.14, T.7 N., R.2 W., 5 mi (8 km) north-east of center of Natchez at power plant.

Owner: Mississippi Power and Light Co.

AQUIFER.--Sands of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 456 ft (139 m).

DATUM.--Land-surface datum is 192 ft (59 m) above mean sea level. Measuring point: Top of concrete base, 1.50 ft (0.46 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 89.50 ft (27.28 m) below land-surface datum, Oct. 29, 1975; lowest measured, 102.97 ft (31.39 m) below land-surface datum, August 30, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	92.51	MAR 17	97.86	JUN 10	97.63	AUG 30	102.97
FEB 3	98.05	APR 5	98.33	JUL 21	95.42		

313256091214201. Local number, D10.

LOCATION.--Lat 31°32'56", long 91°21'42", Hydrologic Unit 08060204, NW¼NW¼ Lot 87, T.7 N., R.2 W., 2 mi (3.2 km) east of center of Natchez on Liberty Rd.

Owner: Johns Manville Co.

AQUIFER.--Sands of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 436 ft (133 m), cased to 392 ft (119 m).

DATUM.--Land-surface datum is 116.92 ft (35.64 m) above mean sea level. Measuring point: Top of casing, at land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 58.62 ft (17.87 m) below land-surface datum, Mar. 31, 1962; lowest measured, 80.18 ft (24.44 m) below land-surface datum, July 25, 1963.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	70.3	DEC 30	70.6	MAR 17	70.8	JUL 21	69.1
NOV 9	71.1	FEB 3	70.9	JUN 10	68.9	AUG 30	70.0

312936091294201. Local number, F50.

LOCATION.--Lat 31°29'36", long 91°29'42", Hydrologic Unit 08060204, SW¼SW¼ sec.2, T.6 N., R.4 W., 8 mi (13 km) southwest of center of Natchez on east bank of Mississippi River.

Owner: International Paper Co.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 4 in (10 cm), depth 152 ft (46 m).

DATUM.--Land-surface datum is 67.97 ft (20.72 m) above mean sea level. Measuring point: Top of casing, 2.00 ft (0.61 m) above land-surface datum.

PERIOD OF RECORD.--October 1962 to November 1974, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.04 ft (3.97 m) below land-surface datum, May 20, 1964; lowest measured, 38.58 ft (11.76 m) below land-surface datum, Jan. 28, 1964.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 7	33.87	APR 5	22.85

312730091200602. Local number, G7.

LOCATION.--Lat 31°27'30", long 91°20'06", Hydrologic Unit 08060205, NE¼NW¼ Lot 41, T.6 N., R.2 W., 8 mi (13 km) southeast of center of Natchez on Kingston Rd.

Owner: Adams County Water Association.

AQUIFER.--Sands of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 267 ft (81 m), cased to 217 ft (66 m).

DATUM.--Land-surface datum is about 220 ft (67 m) above mean sea level. Measuring point: Air vent in pump base, 3.00 ft (0.91 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 55.00 ft (16.76 m) below land-surface datum, Oct. 8, 1976; lowest measured, 58.20 ft (17.74 m) below land-surface datum, Oct. 29, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 8	55.00	APR 5	55.70

ADAMS COUNTY-Continued

312752091202201. Local number, G21.

LOCATION.--Lat 31°27'52", long 91°20'22", Hydrologic Unit 08060205, NE¼NW¼ Lot 41, T.6 N., R.2 W., 8 mi (13 km) southeast of center of Natchez on Kingston Rd.

Owner: Adams County Water Association.

AQUIFER.--Sands of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 880 ft (268 m), cased to 840 ft (256 m).

DATUM.--Land-surface datum is about 223 ft (68 m) above mean sea level. Measuring point: Top of casing, at land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 162.00 ft (49.38 m) below land-surface datum, June 5, 1975; lowest measured, 167.70 ft (51.11 m) below land-surface datum, Apr. 5, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 8	166.23	APR 5	167.70

312735091201301. Local number, G23.

LOCATION.--Lat 31°27'35", long 91°20'13", Hydrologic Unit 08060205, Lot 41, T.6 N., R.2 W., 8 mi (13 km) southeast of center of Natchez on Kingston Rd.

Owner: Adams County Water Association.

AQUIFER.--Sands of Miocene age.

WELL CHARACTERISTICS.--Drilled public supply artesian well, diameter 12 in (30 cm), depth 878 ft (268 m), cased to 838 ft (255 m).

DATUM.--Land-surface datum is about 226 ft (69 m) above mean sea level. Measuring point: Air vent east side of pump base, 3.00 ft (0.91 m) above land-surface datum.

PERIOD OF RECORD.--August 1974, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 156.80 ft (47.79 m) below land-surface datum, Oct. 8, 1976; lowest measured, 171.98 ft (52.42 m) below land-surface datum, Apr. 5, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 8	156.80	APR 5	171.98

ALCORN COUNTY

345545088311002. Local number, G3.

LOCATION.--Lat 34°55'45", long 88°31'10", Hydrologic Unit 08010207, NW¼NW¼ sec.12, T.2 S., R.7 E., 0.5 mi (0.8 km) south of center of Corinth.

Owner: City of Corinth.

AQUIFER.--Coffee Sand of Selma Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 245 ft (75 m).

DATUM.--Land-surface datum is 432 ft (132 m) above mean sea level. Measuring point: Air vent on railroad side of pump base, 2.00 ft (0.61 m) above land-surface datum.

PERIOD OF RECORD.--September 1961, September 1963, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.60 ft (1.71 m) below land-surface datum, Sept. 27, 1961; lowest measured, 9.29 ft (2.83 m) below land-surface datum, Apr. 13, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 13	9.29	OCT 15	6.46

345456088313001. Local number, G57.

LOCATION.--Lat 34°54'56", long 88°31'30", Hydrologic Unit 08010207, NW¼NW¼ sec.13, T.2 S., R.7 E., 1 mi (1.6 km) south of center of Corinth.

Owner: City of Corinth.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 453 ft (138 m), cased to 410 ft (125 m).

DATUM.--Land-surface datum is 463 ft (141 m) above mean sea level. Measuring point: Top of casing, 1.00 ft (0.30 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 100.9 ft (30.8 m) below land-surface datum, Oct. 17, 1962; lowest, 224.4 ft (68.4 m) below land-surface datum, Sept. 22, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	193.1	---	---	---	---	191.3	194.3	196.4	201.4	---	---	206.7
10	194.3	---	---	---	193.1	188.0	197.0	198.7	202.0	---	203.0	205.9
15	---	---	---	---	189.4	187.2	194.6	199.5	204.5	---	206.4	205.3
20	---	---	---	---	193.6	198.0	194.9	200.7	204.3	---	204.8	203.8
25	---	---	---	---	193.5	201.0	196.2	202.0	---	---	205.7	202.8
EOM	---	---	---	---	189.4	197.0	198.6	203.1	---	---	206.6	201.8

345604088321901. Local number, G101.

LOCATION.--Lat 34°56'04", long 88°32'19", Hydrologic Unit 08010207, SW¼SW¼ sec.2, T.2 S., R.7 E., 2 mi (3.2 km) west of center of Corinth, 0.2 mi (0.3 km) north of Ramada Inn.

Owner: City of Corinth.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 520 ft (158 m), cased to 460 ft (140 m).

DATUM.--Land-surface datum is about 480 ft (146 m) above mean sea level. Measuring point: Hole in well head, 1.00 ft (0.30 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 153.00 ft (46.63 m) below land-surface datum, Mar. 14, 1974; lowest measured, 199.00 ft (60.66 m) below land-surface datum, Feb. 11, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	182.40	APR 13	191.60	AUG 9	182.43

344642088340501. Local number, K11.

LOCATION.--Lat 34°46'42", long 88°34'05", Hydrologic Unit 08010207, NW¼NE¼ sec.33, T.3 S., R.7 E., 3 mi (4.8 km) northwest of center of Rienzi, 0.5 mi (0.8 km) west of U.S. Highway 45.

Owner: C. B. Curlee.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth reported 574 ft (175 m), cased to 478 ft (146 m).

DATUM.--Land-surface datum is about 460 ft (140 m) above mean sea level. Measuring point: Top of recorder house floor, 1.50 ft (0.46 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 89.00 ft (27.13 m) below land-surface datum, Dec. 17, 1961; lowest measured, 108.87 ft (33.18 m) below land-surface datum, Apr. 13, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	108.39	APR 13	108.87

344642088333001. Local number, K53.

LOCATION.--Lat 34°46'42", long 88°33'30", Hydrologic Unit 08010207, SW¼NW¼ sec.34, T.3 S., R.7 W., 2.5 mi (4.0 km) northwest of center of Rienzi on U.S. Highway 45 at roadside park.

Owner: Mississippi State Highway Department.

AQUIFER.--Coffee Sand of Selma Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 210 ft (64 m), cased to 190 ft (57.9 m).

DATUM.--Land-surface datum is about 450 ft (137 m) above mean sea level. Measuring point: Top of casing, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--July 1973, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.37 ft (12.00 m) below land-surface datum, July 19, 1973; lowest measured, 42.60 ft (12.98 m) below land-surface datum, Oct. 15, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	42.60	APR 13	40.65

ATTALA COUNTY

330713089365402. Local number, G1.

LOCATION.--Lat 33°07'13", long 89°36'54", Hydrologic Unit 08060201, NW¼NE¼ sec.31, T.15 N., R.7 W., 4.5 mi (7.2 km) northwest of center of Kosciusko on State Highway 35.

Owner: Fred Turnipseed.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 337 ft (103 m).

DATUM.--Land-surface datum is about 360 ft (110 m) above mean sea level. Measuring point: Jet pipe, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--June 1962 to January 1963, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 37.90 ft (11.55 m) below land-surface datum, Mar. 31, 1976; lowest measured, 41.07 ft (12.52 m) below land-surface datum, June 10, 1962.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 28	38.54

330713089365401. Local number, G2.

LOCATION.--Lat 33°07'13", long 89°36'54", Hydrologic Unit 08060201, NW¼NE¼ sec.31, T.15 N., R.7 W., 4.5 mi (7.2 km) northwest of center of Kosciusko on State Highway 35.

Owner: Fred Turnipseed.

AQUIFER.--Sand of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 140 ft (43 m).

DATUM.--Land-surface datum is about 360 ft (110 m) above mean sea level. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--September 1957 to February 1959, June 1962 to January 1963, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.47 ft (2.58 m) below land-surface datum, Feb. 27, 1959; lowest measured, 10.97 ft (3.34 m) below land-surface datum, June 10, 1962.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 28	10.95

330713089365302. Local number, G13.

LOCATION.--Lat 33°07'13", long 89°36'53", Hydrologic Unit 08060201, NW¼NE¼ sec.31, T.15 N., R.7 E., 4.5 mi (7.2 km) northwest of center of Kosciusko on State Highway 35.

Owner: Fred Turnipseed.

AQUIFER.--Winona Sand of middle Eocene age.

WELL CHARACTERISTICS.--Dug domestic artesian well, diameter 30 in (76 cm), depth 22 ft (6.7 m).

DATUM.--Land-surface datum is about 361 ft (110 m) above mean sea level. Measuring point: Top of hole in concrete cap, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--January 1963, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.94 ft (2.72 m) below land-surface datum, Mar. 31, 1976; lowest measured, 15.22 ft (4.64 m) below land-surface datum, Jan. 11, 1963.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 28	11.57

330110089455001. Local number, K22.

LOCATION.--Lat 33°01'10", long 89°45'50", Hydrologic Unit 08060201, SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.35, T.14 N., R.5 E., at center of Sallis.

Owner: Town of Sallis.

AQUIFER.--Sand of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth reported 356 ft (109 m), cased to about 300 ft (91 m).

DATUM.--Land-surface datum is about 280 ft (85 m) above mean sea level. Measuring point: Top of 3/4-in (1.90 cm) pipe (since May 22, 1957), 1.30 ft (0.40 m) above land-surface datum.

PERIOD OF RECORD.--1913, June 1957 to April 1963, May 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30 ft (9.14 m) above land-surface datum, 1913; lowest measured, 1.08 ft (0.33 m) above land-surface datum, April 28, 1977.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 2	1.30	APR 28	1.08

330328089365901. Local number, M8.

LOCATION.--Lat 33°03'28", long 89°36'59", Hydrologic Unit 03180001, NE $\frac{1}{4}$ sec.20, T.14 N., R.7 E., 0.2 mi (0.3 km) northwest of center of Kosciusko on Adams St.

Owner: Barnett Moving Company (formerly Pet Milk Co.).

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in (41 cm), depth 456 ft (139 m).

DATUM.--Land-surface datum is about 423 ft (129 m) above mean sea level. Measuring point: Air vent in pump base, 1.70 ft (0.52 m) above land-surface datum.

PERIOD OF RECORD.--March 1962, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 107.10 ft (32.64 m) below land-surface datum, Mar. 13, 1962; lowest measured, 122.77 ft (37.42 m) below land-surface datum, April 7, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 7	122.77

330330089354401. Local number, M29.

LOCATION.--Lat 33°03'30", long 89°35'44", Hydrologic Unit 03180001, SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.21, T.14 N., R.7 E., 0.1 mi (0.2 km) west of center of Kosciusko on Jefferson St.

Owner: City of Kosciusko.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of Middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 387 ft (118 m), cased to 367 ft (112 m).

DATUM.--Land-surface datum is about 472 ft (144 m) above mean sea level. Measuring point: Air vent in pump base, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--March 1962, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 148.70 ft (45.32 m) below land-surface datum, Mar. 13, 1962; lowest measured, 162.40 ft (49.50 m) below land-surface datum, Jan. 14, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 8	160.55

330241089270501. Local number, N13.

LOCATION.--Lat 33°02'41", long 89°27'05", Hydrologic Unit 03180001, SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.26, T.14 N., R.8 E., 8 mi (13 km) east of center of Kosciusko on north side of State Highway 14.

Owner: Houston Veasey.

AQUIFER.--Neshoba Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Dug unused artesian well, diameter 30 in (76 cm), depth 30 ft (9.1 m).

DATUM.--Land-surface datum is about 510 ft (155 m) above mean sea level. Measuring point: Inside lip of curb, 2.00 ft (0.61 m) above land-surface datum.

PERIOD OF RECORD.--March 1958 to March 1959, June 1962, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.86 ft (6.36 m) below land-surface datum, Mar. 12, 1959; lowest measured, 22.55 ft (6.87 m) below land-surface datum, Apr. 7, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 7	22.55

325844089462701. Local number, Q14.

LOCATION.--Lat 32°58'44", long 89°46'27", Hydrologic Unit 08060201, NE¼SW¼ sec.15, T.13 N., R.5 E., 3.1 mi (5.0 km) south of center of Sallis on west side of State Highway 429.

Owner: Tom Aldy.

AQUIFER.--Sand of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 2 in (5.1 cm), depth 409 ft (125 m).

DATUM.--Land-surface datum is about 290 ft (88 m) above mean sea level. Measuring point: Top of 2-in (5.1 cm) casing, 1.80 ft (0.55 m) above land-surface datum.

PERIOD OF RECORD.--June 1957 to July 1959, June 1962, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.37 ft (0.11 m) below land-surface datum, Mar. 13, 1958; lowest measured, 4.17 ft (1.27 m) below land-surface datum, May 6, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
MAY 6	4.17

325901089333901. Local number, S1.

LOCATION.--Lat 32°59'01", long 89°33'39", Hydrologic Unit 03180001, SE¼NE¼ sec.13, T.13 N., R.7 E., 5 mi (8 km) south of center of Kosciusko on east side of State Highway 35.

Owner: United Gas Co.

AQUIFER.--Sand of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 220 ft (67 m).

DATUM.--Land-surface datum is about 492 ft (150 m) above mean sea level. Measuring point: Top of 4-in (10-cm) casing, 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--October 1961 to June 1962, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 97.20 ft (29.63 m) below land-surface datum, Apr. 29, 1976; lowest measured, 101.77 ft (31.02 m) below land-surface datum, Oct. 2, 1961.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 7	97.40

325902089333901. Local number, S21.

LOCATION.--Lat 32°59'02", long 89°33'39", Hydrologic Unit 03180001, SE¼NE¼ sec.15, T.13 N., R.7 E., 5 mi (8 km) south of center of Kosciusko on east side of State Highway 35.

Owner: United Gas Co.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 360 ft (110 m), cased to 340 ft (104 m).

DATUM.--Land-surface datum is about 488 ft (149 m) above mean sea level. Measuring point: Top of 8-in (20-cm) casing, 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--October 1961, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 157 ft (48 m) below land-surface datum, Oct. 1961; lowest measured, 165.89 ft (50.56 m) below land-surface datum, Apr. 7, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 7	165.89

BOLIVAR COUNTY

335630090461501. Local number, D31.

LOCATION.--Lat 33°56'30", long 90°46'15", Hydrologic Unit 08030207, SW¼NE¼ sec.12, T.24 N., R.6 W., 0.1 mi (0.2 km) west of center of Shelby at old waterworks.

Owner: Town of Shelby.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in (30 cm), depth 1,575 ft (480 m).

DATUM.--Land-surface datum is 147 ft (45 m) above mean sea level. Measuring point: Top of air vent hole in pump base, 1.30 ft (0.40 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.40 ft (0.12 m) above land-surface datum, May 11, 1977; lowest measured, 4.45 ft (1.36 m) below land-surface datum, Oct. 20, 1976.

WATER LEVEL, IN FEET ABOVE AND BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	-4.45	MAY 11	+0.40

335558090465202. Local number, D32.

LOCATION.--Lat 33°55'58", long 90°46'52", Hydrologic Unit 08030207, SE¼NE¼ sec.14, T.24 N., R.6 W., 1.5 mi (2.4 km) southwest of center of Shelby on State Highway 32 at park.

Owner: Town of Shelby.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled pool-supply artesian well, diameter 4 in (10 cm), depth reported 409 ft (125 m).

DATUM.--Land-surface datum is about 150 ft (46 m) above mean sea level. Measuring point: Top of 4-in (10-cm) casing plug, 0.30 ft (0.09 m) above land-surface datum.

PERIOD OF RECORD.--September 1949, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.18 ft (7.37 m) below land-surface datum, Feb. 11, 1976; lowest measured, 25.36 ft (7.73 m) below land-surface datum, May 11, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	25.35	MAY 11	25.36

334957090564301. Local number, F20.

LOCATION.--Lat 33°49'57", long 90°56'43", Hydrologic Unit 08030207, NE¼NW¼ sec.20, T.23 N., R.7 W., 5 mi (8 km) southeast of center of Rosedale on south side of State Highway 8.

Owner: R. C. Malone.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 16 in (41 cm), depth 120 ft (37 m), screened 80-120 ft (24-37 m), cased to 80 ft (24 m).

DATUM.--Land-surface datum is about 145 ft (44 m) above mean sea level. Measuring point: Top of casing, 0.15 ft (0.05 m) above land-surface datum.

REMARKS.--Water levels affected by seasonal irrigation pumping.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.99 ft (4.57 m) below land-surface datum, Apr. 7, 1959; lowest measured, 57.32 ft (17.47 m) below land-surface datum, Sept. 7, 1955.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	21.95	MAY 11	22.16

334708090584101. Local number, J135.

LOCATION.--Lat 33°47'08", long 90°58'41", Hydrologic Unit 08030207, SW¼NE¼ sec.27, T.22 N., R.8 W., 0.2 mi (0.3 km) southeast of center of Beulah at gin.

Owner: Town of Beulah.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 1,760 ft (536 m), screened 1,710-1,760 ft (521-536 m).

DATUM.--Land-surface datum is 146.31 ft (44.60 m) above mean sea level. Measuring point: ¼-in (0.64 cm) gate valve (since Nov. 8, 1974), 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--May 1939 to October 1963, April 1970 to April 1972, November 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.3 ft (9.2 m) above land-surface datum, Apr. 2, 1942; lowest measured, 6.4 ft (2.0 m) above land-surface datum, Oct. 18, 1960.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
MAY 11	7.8

334106090590902. Local number, N2.

LOCATION.--Lat 33°41'06", long 90°59'09", Hydrologic Unit 08030207, SE¼NW¼ sec.34, T.21 N., R.8 W., 2.5 mi (4.0 km) northeast of center of Benoit on east side of State Highway 1.

Owner: Welshans and Litton.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 14 in (36 cm), depth 96 ft (29 m).

DATUM.--Land-surface datum is about 135 ft (41 m) above mean sea level. Measuring point: Top of casing, 0.70 ft (0.20 m) above land-surface datum.

REMARKS.--Water levels affected by seasonal irrigation pumping.

PERIOD OF RECORD.--November 1953 to October 1963, January 1965 to October 1966, April 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.53 ft (1.08 m) below land-surface datum, May 13, 1958; lowest measured, 24.36 ft (7.42 m) below land-surface datum, July 22, 1955.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	14.77	MAY 11	14.60

333959090435001. Local number, Q150.

LOCATION.--Lat 33°39'59", long 90°43'50", Hydrologic Unit 08030207, NE¼SE¼ sec.17, T.21 N., R.5 W., at O'Reilly at gin.

OWNER: Jones Bayou Gin Association.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 3-2 in (7.6-5.1 cm), depth 1,310 ft (399 m), cased to 1,310 ft (399 m).

DATUM.--Land-surface datum is 133.66 ft (40.74 m) above mean sea level. Measuring point: Top of 3/4-in pipe (1.90 cm), 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--May 1939 to October 1968, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.10 ft (6.13 m) above land-surface datum, May 30, 1939; lowest measured, 4.80 ft (1.46 m) below land-surface datum, May 11, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	4.40	MAY 11	4.80

333530090582401. Local number, R64.

LOCATION.--Lat 31°35'30", long 90°58'24", Hydrologic Unit 08030209, SE¼SE¼ sec.12, T.20 N., R.8 W., at Stringtown.

Owner: H and H Planting Co.

AQUIFER.--Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 520 ft (158 m).

DATUM.--Land-surface datum is 133 ft (41 m) above mean sea level. Measuring point: Top of air vent in pump base, 1.8 ft (.55 m) above land-surface datum.

PERIOD OF RECORD.--May 1939, November 1960, October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.8 ft (5.7 m) below land-surface datum, May 5, 1939; lowest measured, 35.15 ft (10.7 m) below land-surface datum, May 11, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
MAY 11	35.15

CALHOUN COUNTY

340042089112601.--Local number, E4.

LOCATION.--Lat 34°00'42", long 89°11'26", Hydrologic Unit 08030205, SW¼NW¼ sec. 27, T.12 S., R.1 E., 9 mi (14 km) north of center of Vardaman.

Owner: D. R. Davis

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 11 in (28 cm), depth 8,390 ft (2557 m), cased to 1800 ft (549 m).

DATUM.--Land surface datum is about 369 ft (112 m) above mean sea level. Measuring point: Top of 2 in (5 cm) pipe, 0.8 ft (0.24 m) above land-surface datum.

PERIOD OF RECORD.--May 1958 to April 1963, October 1976 to current year.

EXTREMES FOR PERIOD OF RECORDS.--Highest water level measured, 129.37 ft (39.4 m) below land-surface datum, May 16, 1958; lowest measured, 163.42 ft (49.8 m) below land-surface datum, Apr. 11, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 11	163.42

335118089175901 (formerly 335119089182801). Local number, K101.

LOCATION.--Lat 33°51'18", long 89°17'59", Hydrologic Unit 08030205, NE¼SW¼ sec.13, T.23 N., R.9 E., 0.3 mi (0.5 km) northeast of center of Calhoun City at Adams Street and Taylor Street.

Owner: Calhoun City.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in (30 cm), depth 1,897 ft (579 m), cased to 1,857 ft (566 m).

DATUM.--Land-surface datum is about 270 ft (82 m) above mean sea level. Measuring point: Top of air vent in north side of pump base, 1.30 ft (0.40 m) above land-surface datum.

REMARKS.--Water levels affected by pumping.

PERIOD OF RECORD.--February 1955 to April 1967, June 1969, June 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.75 ft (13.03 m) below land-surface datum, Mar. 14, 1957; lowest measured, 69.15 ft (21.08 m) below land-surface datum, Oct. 19, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
OCT 19	69.15

335136089005301 (formerly 335140089005001). Local number, K37.

LOCATION.--Lat 33°51'36", long 89°00'53", Hydrologic Unit 03180001, SW¼SW¼ sec.17, T.14 S., R.3 E., 2.5 mi (4.0 km) south of center of Houston on west side of State Highway 15.

Owner: J. D. McAlpin.

AQUIFER.--Sand of Ripley Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth reported 130 ft (40 m), cased to 80 ft (24 m).

DATUM.--Land-surface datum is about 320 ft (98 m) above mean sea level. Measuring point: top of casing, at land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 59.40 ft (18.11 m) below land-surface datum, Mar. 20, 1962; lowest measured, 67.10 ft (20.45 m) below land-surface datum, Oct. 28, 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 14	64.35

CHOCTAW COUNTY

331543089171801. Local number, J35.

LOCATION.--Lat 33°15'43", long 89°17'18", Hydrologic Unit 03180001, NW¼SE¼ sec.8, T.16 N., R.10 E., 0.3 mi (0.5 km) south of center of Weir near Baptist Church.

Owner: Inez Power.

AQUIFER.--Sand of upper part of Wilcox group of early Eocene age.

WELL CHARACTERISTICS.--Dug unused artesian well, diameter 30 in (76 cm), depth 28 ft (8.5 m).

DATUM.--Land-surface datum is about 485 ft (148 m) above mean sea level. Measuring point: Top of 30-in (76-cm) concrete curb, 2.00 ft (0.61 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.76 ft (5.41 m) below land-surface datum, Apr. 12, 1976; lowest measured, 22.55 ft (6.87 m) below land-surface datum, Oct. 28, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 14	21.07	FEB 11	19.75	APR 14	18.26	JUL 26	20.87

CLAIBORNE COUNTY

315718090591501. Local number, L5.

LOCATION.--Lat 31°57'18", long 90°59'15", Hydrologic Unit 08060203, Irregular Lot 4, T.11 N., R.2 E., 0.2 mi (0.3 km) south of center of Port Gibson at Oak Street and Main Street.

Owner: Town of Port Gibson.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth reported 250 ft (76 m).

DATUM.--Land-surface datum is about 120 ft (37 m) above mean sea level. Measuring point: Top of concrete base 2.00 ft (0.61 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 76.87 ft (23.43 m) below land-surface datum, Apr. 22, 1963; lowest measured, 121.70 ft (37.09 m) below land-surface datum, Aug. 16, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 7	121.27	FEB 2	114.60	MAR 17	120.12	APR 5	118.40

333627088390001. Local number, H7.

LOCATION.--Lat 33°36'27", long 88°39'00", Hydrologic Unit 03160104, NW¼SW¼ sec.11, T.17 S., R.6 E.. 0.5 mi (0.8 km) northwest of center of West Point at intersection of Division Street and Bugg Street.

Owner: City of West Point.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 309 ft (94 m).

DATUM.--Land-surface datum is about 230 ft (70 m) above mean sea level. Measuring point: Top of 4-in (10.2 cm) coupling (since Apr. 12, 1976), 0.20 ft (0.06 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 157.54 ft (48.02 m) below land-surface datum, Mar. 3, 1972; lowest measured, 195.97 ft (59.73 m) below land-surface datum, Aug. 25, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 14	188.75	JAN 26	193.43	MAY 4	193.75	JUN 9	194.17	JUL 6	195.55	AUG 25	195.97

333405088393201. Local number, H12.

LOCATION.--Lat 33°34'05", long 88°39'32", Hydrologic Unit 03160104, NE¼SW¼ sec.27, T.17 S., R.6 E., 2 mi (3.2 km) south of center of West Point on west side of U.S. Highway 45 W.

Owner: Burgin Brothers.

AQUIFER.--Sand of McShan Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (10 cm), depth reported 700 ft (213 m), cased to 400 ft (122 m).

DATUM.--Land-surface datum is 194 ft (59 m) above mean sea level. Measuring point: Top of plate on well head (since Jan. 30, 1976), 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--June 1940, 1954, July 1958 to October 1963, April 1970, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.0 ft (3.4 m) above land-surface datum, June 6, 1940; lowest measured, 44.54 ft (13.58 m) below land-surface datum, May 4, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
MAY 4	44.54

333832088393801. Local number, H13.

LOCATION.--Lat 33°38'32", long 88°39'38", Hydrologic Unit 03160104, NE¼SW¼ sec. 34, T.16 S., R.6 E., 2.5 mi (4 km) north of center of West Point.

Owner: John Morris

AQUIFER.--Sand and gravel of Gordo Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 748 ft (228 m).

DATUM.--Land-surface datum is about 245 ft (75 m) above mean sea level. Measuring point: Top and outside edge of concrete base, 2.00 ft (0.61 m) above land-surface datum.

PERIOD OF RECORD.--1955, October 1962 to October 1963, 1970, October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.6 ft (5.1 m) below land-surface datum, 1955; lowest measured, 52.70 ft (16.1 m) below land-surface datum May 4, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
MAY 4	52.70

333615088421801. Local number, H32.

LOCATION.--Lat 33°36'15", long 88°42'18", Hydrologic Unit 03160104, NE¼NE¼ sec. 18, T.17 S., R.6 E., 3 mi (4.8 km) west of center of West Point.

Owner: Dr. John Randell.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 380 ft (116 m).

DATUM.--Land-surface datum is about 205 ft (62 m) above mean sea level. Measuring point: Top of angle iron, 0.5 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--April 1964, March 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.97 ft (13.4 m) below land-surface datum, Apr. 1964; lowest measured, 100.16 ft (30.5 m) below land-surface datum May 4, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
MAY 4	100.16

333712088384601. Local number, H46.

LOCATION.--Lat 33°37'12", long 88°38'46", Hydrologic Unit 03160104, NE¼NW¼ sec.11, T.17 S., R.6 E., 1 mi (1.6 km) northeast of center of West Point on east side of Illinois Central Railroad.

Owner: City of West Point.

AQUIFER.--Sand and gravel of Gordo Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 810 ft (247 m), cased to 750 ft (229 m).

DATUM.--Land-surface datum is about 240 ft (73 m) above mean sea level. Measuring point: Top of recorder house floor, 2.10 ft (0.64 m) above land-surface datum.

PERIOD OF RECORD.--July 1963, May 1969, January 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.95 ft (8.52 m) below land-surface datum, July 16, 1963; lowest measured, 54.67 ft (16.66 m) below land-surface datum, July 6, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 14	52.60	MAR 9	53.03	MAY 4	53.72	JUN 9	54.08	JUL 6	54.67

33353008839501. Local number, H151.

LOCATION.--Lat 33°35'30", long 88°39'35", Hydrologic Unit 03160104, NE¼NW¼ sec. 22, T.17 S., R.6 E., 4.5 mi (7.3 km) north of West Point on west side of U.S. Highway 45.

Owner: Prairie Livestock.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 400 ft (121.9 m).

DATUM.--Land-surface datum is about 205 ft (62.5 m) above mean sea level. Measuring point: Top of air vent, at land-surface datum.

PERIOD OF RECORD.--September 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 166.66 ft (50.8 m) below land-surface datum, May 4, 1977; lowest measured, 170.00 ft (51.8 m) below land-surface datum, Sept. 1, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
MAY 4	166.66

333618088362001. Local number, J8.

LOCATION.--Lat 33°36'18", long 88°36'20", Hydrologic Unit 03160104, NW¼NE¼ sec.18, T.17 S., R.7 E., 2.7 mi (4.4 km) east of West Point on State Highway 50.

Owner: Wash Davis

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5 cm), depth 610 ft (185.93 m).

DATUM.--Land-surface datum is about 210 ft (64.01 m) above mean sea level. Measuring point: Top of casing at land-surface datum.

PERIOD OF RECORD.--1940, August 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5 ft (1.52 m) above land-surface datum, 1940; lowest measured, 25.65 ft (7.82 m) below land-surface datum, May 4, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
MAY 4	25.65

333622088361001. Local number, J125.

LOCATION.--Lat 33°36'22", long 88°36'10", Hydrologic Unit 03160104, NW¼NE¼ sec. 18, T.17 S., R.7 E., 2.3 mi (3.7 km) east of center of West Point on State Highway 50.

Owner: G. W. Davis

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 350 ft (106.7 m).

DATUM.--Land-surface datum is 215 ft (655 m) above land-surface datum. Measuring point: Well house floor, at land-surface datum.

PERIOD OF RECORD.--August 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 105 ft (32 m) below land-surface datum, Aug. 31, 1976; lowest measured, 106.86 ft (32.6 m) below land-surface datum, May 4, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
MAY 4	106.86

333219088392801. Local number, K38.

LOCATION.--Lat 33°32'19", long 88°39'28", Hydrologic Unit 03160104, SE¼SE¼ sec. 6, T.19 N., R.16 E., 5 mi (8.0 km) south of center of West Point on U.S. Highway 45 W.

Owner: E. Hildreth.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 400 ft (121.9 m).

DATUM.--Land-surface datum is about 230 ft (70.1 m) above mean sea level. Measuring point: Top of 4 in (10 cm) casing, 0.40 ft (0.12 m) above land-surface datum.

PERIOD OF RECORD.--August 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water measured, 123.0 ft (37.5 m) below land-surface datum, Aug. 27, 1976; lowest measured, 123.70 ft (37.7 m) below land-surface datum, May 4, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
MAY 4	123.70

COAHOMA COUNTY

342400090322001. Local number, C111.

LOCATION.--Lat 34°24'00", long 90°32'20", Hydrologic Unit 08030204, NW¼SW¼ sec.7, T.29 N., R.2 W., 1 mi (1.6 km) south of center of Rich at Rose Acres Plantation headquarters.

Owner: Norfleet and Wilsford.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 3-2 in (7.6-5.1 cm), depth 1,837 ft (560 m), screened 1,796-1,837 ft (547-560 m).

DATUM.--Land-surface datum is 180.88 ft (55.13 m) above mean sea level. Measuring point: Top of 3-in (7.6-cm) tee, 1.00 ft (0.30 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.8 ft (12.4 m) above land-surface datum, July 26, 1940; lowest measured, 4.0 ft (0.12 m) above land-surface datum, Apr. 2, 1976.

No measurement made in fiscal year 1977.

340020090341201. Local number, E132.

LOCATION.--Lat 34°00'20", long 90°34'12", Hydrologic Unit 08030207, SW¼NW¼ sec.36, T.28 N., R.4 W., 4 mi (6.4 km) north of center of Clarksdale on State Highway 6.

Owner: Coahoma Junior College.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth reported 2,000 ft (610 m), cased to 1,960 ft (597 m).

DATUM.--Land-surface datum is 176.74 ft (53.87 m) above mean sea level. Measuring point: Top of concrete base (since Apr. 2, 1976), 2.50 ft (0.76 m) above land-surface datum.

PERIOD OF RECORD.--March 1940 to July 1961, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.9 ft (13.7 m) above land-surface datum, June 24, 1940; lowest measured, 6.91 ft (2.11 m) above land-surface datum, May 11, 1977.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
MAY 11	6.91

341719090304301. Local number, F12.

LOCATION.--Lat 34°17'19", long 90°30'43", Hydrologic Unit 08030207, NE¼NW¼ sec.21, T.28 N., R.3 W., 8 mi (13 km) northeast of center of Clarksdale at airport on U.S. Highway 61.

Owner: City of Clarksdale.

AQUIFER.--Sand of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth reported 900 ft (274 m).

DATUM.--Land-surface datum is about 168 ft (51 m) above mean sea level. Measuring point: Hole in east side of casing, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--April 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.82 ft (1.77 m) below land-surface datum, Apr. 14, 1971; lowest measured, 10.00 ft (3.05 m) below land-surface datum, Aug. 29, 1973.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	8.80	MAY 12	8.96

341202090343701. Local number, J98.

LOCATION.--Lat 34°12'02", long 90°34'37", Hydrologic Unit 08030207, SW¼NE¼ sec.23, T.27 N., R.4 W., 0.2 mi (0.3 km) west of center of Clarksdale at Second Street and Riverside Ave.

Owner: City of Clarksdale.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 1,200 ft (366 m).

DATUM.--Land-surface datum is about 150 ft (46 m) above mean sea level. Measuring point: Top of 2-in (5.1-cm) pipe, 0.30 ft (0.09 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.00 ft (0.30 m) below land-surface datum, Apr. 2, 1976; lowest measured, 2.25 ft (0.69 m) below land-surface datum, Oct. 20, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	2.25	MAY 11	2.16

COPIAH COUNTY

315314090233701. Local number, J33.

LOCATION.--Lat 31°53'14", long 90°23'37", Hydrologic Unit 03180003, NE¼NW¼ sec. 34, T.1 N., R.2 W., 2 mi (3.2 km) north of center of Hazlehurst.

Owner: R. C. Owen Co.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 260 ft (79.3 m), cased to 240 ft (73.2 m).

DATUM.--Land-surface datum is about 430 ft (131.1 m) above mean sea level. Measuring point: Top of recorder house floor, 1.50 ft (0.46 m) above land-surface datum, Sept. 4, 1977.

PERIOD OF RECORD.--September 1967, October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 93.00 ft (28.35 m) below land-surface datum, Sept. 1967; lowest measured, 101.02 ft (30.79 m) below land-surface datum, Sept. 4, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
SEPT 4	101.02

315131090233901. Local number, P8.

LOCATION.--Lat 31°51'30", long 90°23'39", Hydrologic Unit 03180003, SW¼ sec. 10, T.10 N., R.8 E., at water plant near center of Hazlehurst.

Owner: Town of Hazlehurst.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 300 ft (91.4 m), cased to 260 ft (79.2 m).

DATUM.--Land-surface datum is about 442.7 ft (134.9 m) above mean sea level. Measuring point: Top of 10 in (25 cm) casing at land-surface datum.

PERIOD OF RECORD.--1954, 1957, August 1971, October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 179 ft (54.6 m) below land-surface datum, Aug. 1971; lowest measured, 196 ft (59.7 m) below land-surface datum, 1954.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 4	179.78

315128090205202. Local number, P49.

LOCATION.--Lat 31°51'28", long 90°20'52", Hydrologic Unit 031800003, NE¼NE¼ sec. 12, T.10 N., R.8 E., 3 mi (4.8 km) east of center of Hazlehurst at Shady Grove Community.

Owner: Town of Hazlehurst.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 295 ft (90 m), cased to 225 ft (77.7 m).

DATUM.--Land-surface datum is about 435 ft (133 m) above mean sea level. Measuring point: Top of recorder house floor, 1.60 ft (0.49 m) above land-surface datum.

PERIOD OF RECORD.--1967, August 1971, October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 110 ft (33.5 m) below land-surface datum, 1967; lowest measured, 137 ft (41.8 m) below land-surface datum, Aug. 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 4	129.05

De SOTO COUNTY

345736090102301. Local number, A103.

LOCATION.--Lat 34°57'36", long 90°10'23", Hydrologic Unit 08030204, NW¼NE¼ sec.32, T.1 S., R.9 W., 1.2 mi (1.9 km) west of center of Walls.

Owner: H. P. Sullivan.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4-2 in (10-5.1 cm), depth 1,525 ft (465 m), cased to 1.485 ft (453 m).

DATUM.--Land-surface datum is about 205 ft (62 m) above mean sea level. Measuring point: Top of 2-in (5.1-cm) drop pipe, 3.30 ft (1.01 m) above land-surface datum.

PERIOD OF RECORD.--July 1939, February 1955 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.25 ft (4.95 m) above land-surface datum, July 15, 1939; lowest measured, 25.45 ft (7.76 m) below land-surface datum, Apr. 14, 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
MAY 12	22.61

345802089494201. Local number, D3.

LOCATION.--Lat 34°58'02", long 89°49'42", Hydrologic Unit 08030204, SE¼NW¼ sec.34, T.1 S., R.6 W., at center of Olive Branch at Pidgeon Roost Road and Commerce Street.

Owner: Town of Olive Branch.

AQUIFER.--Sparta Sand of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth reported 300 ft (91 m). DATUM.--Land-surface datum is about 400 ft (122 m) above mean sea level. Measuring point: Top of casing, 1.50 ft (0.76 m) above land-surface datum.

PERIOD OF RECORD.--April 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 130.53 ft (39.79 m) below land-surface datum, Apr. 15, 1971; lowest measured, 142.50 ft (43.43 m) below land-surface datum, Jan. 23, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	134.00	MAY 12	133.35

FORREST COUNTY

311834089170101. Local number, D8.

LOCATION.--Lat 31°18'34", long 89°17'01", Hydrologic Unit 03170005, SE¼NE¼ sec.15, T.4 N., R.13 W., 2 mi (3.2 km) southeast of center of Hattiesburg at Williams Street and Alcorn Street.

Owner: City of Hattiesburg.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 710 ft (216 m), screened 610-710 ft (186-216 m).

DATUM.--Land-surface datum is about 140 ft (43 m) above mean sea level. Measuring point: Top of recorder house floor, 1.75 ft (0.53 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--December 1964, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.07 ft (6.42 m) below land-surface datum, Dec. 21, 1964; lowest measured, 79.98 ft (24.38 m) below land-surface datum, Feb. 10, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	61.24	NOV 13	65.22	FEB 25	63.06	APR 19	75.49	MAY 27	77.55	AUG 12	75.68

311930089173001. Local number, D130.

LOCATION.--Lat 31°19'30", long 89°17'30", Hydrologic Unit 03170005, SE¼NW¼ sec.10, T.4 N., R.13 W., 0.1 mi (0.2 km) south of center of Hattiesburg at Front Street and Hemphill Street at Community Center.

Owner: City of Hattiesburg.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 390 ft (119 m), screened 310-390 ft (94-119 m).

DATUM.--Land-surface datum is 151.76 ft (46.26 m) above mean sea level. Measuring point: Top edge of discharge pipe, 7.75 ft (2.36 m) above land-surface datum.

PERIOD OF RECORD.--March 1940 to July 1954, November 1956 to April 1973, June 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.25 ft (2.21 m) above land-surface datum, June 12, 1950; lowest measured, 25.15 ft (7.67 m) below land-surface datum, Apr. 19, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 19	25.15

311137089110501. Local number, G116.

LOCATION.--Lat 31°11'37", long 89°11'05", Hydrologic Unit 03170007, SW¼NE¼ sec.27, T.3 N., R.12 W., 3 mi (4.8 km) east of south gage of Camp Shelby at Jackson Ave. and 39th Street.

Owner: U.S. Government-Mississippi National Guard. Camp Shelby.

AQUIFER.--Sand of Hattiesburg Formation of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4-3 in (10-7.6 cm), depth 416 ft (127 m), screened 382-416 ft (116-127 m).

DATUM.--Land-surface datum is 258.44 ft (78.77 m) above mean sea level. Measuring point: Top of 4-in (10-cm) casing flange, 2.00 ft (0.61 m) above land-surface datum.

REMARKS.--Occasional pumping nearby.

PERIOD OF RECORD.--1943-45, February 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 122.08 ft (37.21 m) below land-surface datum, Apr. 2, 1954; lowest measured, 142.40 ft (43.40 m) below land-surface datum, Nov. 6, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 7	139.37	OCT 29	138.82	APR 19	140.10	JUL 11	141.26

310135089093101. Local number, L23.

LOCATION.--Lat 31°01'35", long 89°09'31", Hydrologic Unit 03170007, NW¼NW¼ sec.23, T.1 N., R.12 W., 3 mi (4.8 km) southeast of center of Brooklyn at Ash Nursery.

Owner: Ash Nursery.

AQUIFER.--Sand of Hattiesburg Formation of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 720 ft (219 m), cased to 660 ft (201 m).

DATUM.--Land-surface datum is about 275 ft (84 m) above mean sea level. Measuring point: Top of concrete base, 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 166.50 ft (50.75 m) below land-surface datum, Aug. 5, 1971, lowest measured, 171.36 ft (52.23 m) below land-surface datum, Apr. 19, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 19	171.00

FRANKLIN COUNTY

313026091035101. Local number, F1.

LOCATION.--Lat 31°30'26", long 91°03'51", Hydrologic Unit 08060205, NW¼NE¼ sec.19, T.6 N., R.1 E., 0.1 mi (0.2 km) northeast of center of Roxie at 3rd Street and East Blvd.

Owner: Town of Roxie.

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 250 ft (76 m), cased to 230 ft (70 m).

DATUM.--Land-surface datum is about 230 ft (70 m) above mean sea level. Measuring point: Hole in east side of pump base, 1.90 ft (0.58 m) above land-surface datum.

PERIOD OF RECORD.--May 1960 to April 1972, May 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.89 ft (6.06 m) below land-surface datum, Mar. 22, 1976; lowest measured, 28.78 ft (8.77 m) below land-surface datum, May 9, 1968.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 8	21.30	APR 5	20.28

GREENE COUNTY

313530088310501 (Formerly 311435088312201). Local number, M2.

LOCATION.--Lat 31°35'30", long 88°31'05", Hydrologic Unit 03170003, NE&NW¼ sec.7, T.3 N., R.5 W., 8 mi (13 km) northeast of center of Leakesville.

Owner: H. F. Garreston, Jr.

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 703 ft (214 m).

DATUM.--Land-surface datum is about 107 ft (33 m) above mean sea level. Measuring point: Top of discharge pipe, 2.00 ft (0.61 m) above land-surface datum.

PERIOD OF RECORD.--January 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.0 ft (6.7 m) above land-surface datum, Jan. 22, 1970; Apr. 24, 1974; lowest measured, 15.0 ft (4.6 m) above land-surface datum, Apr. 21, 1977.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 21	15.0

GRENADA COUNTY

335016089471801. Local number, B103.

LOCATION.--Lat 33°01'16", long 89°47'18", Hydrologic Unit 08030205, NE&NE¼ sec.29, T.23 N., R.5 E., 4 mi (6.4 km) north of center of Grenada and 0.3 mi (0.5 km) east of Grenada Airport.

Owner: U.S. Government. Grenada Reservoir.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12-8 in (30-20 cm), depth 257 ft (78 m), screened 227-257 ft (69-78 m).

DATUM.--Land-surface datum is 207.07 ft (63.11 m) above mean sea level. Measuring point: Top of south side of concrete base, 1.20 ft (0.37 m) above land-surface datum.

REMARKS.--Affected by stage of Grenada Reservoir; well is 0.5 mi (8.0 km) below dam.

PERIOD OF RECORD.--1942, January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.98 ft (0.60 m) below land-surface datum, Apr. 19, 1962; lowest measured, 30.08 ft (9.17 m) below land-surface datum, Oct. 28, 1942.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 28	6.27	OCT 20	15.89

334556089583501. Local number, F112.

LOCATION.--Lat 33°45'56", long 89°58'45", Hydrologic Unit 08030205, SE&SE¼ sec.16, T.22 N., R.3 E., 0.2 mi (0.3 km) northwest of center of Holcomb at school.

Owner: Holcomb School.

AQUIFER.--Sand of Wilcox Group of late Paleocene.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in (7.6 cm), depth 983 ft (300 m), screened 943-983 ft (287-300 m).

DATUM.--Land-surface datum is 183.14 ft (55.82 m) above mean sea level. Measuring point: Top of 3-in (7.6-cm) tee, 1.40 ft (0.43 m) above land-surface datum, or top of discharge pipe, 1.20 ft (0.37 m) above land-surface datum.

PERIOD OF RECORD.--January 1939 to June 1969, May 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.4 ft (9.3 m) above land-surface datum, July 31, 1941; lowest measured, 6.0 ft (1.83 m) above land-surface datum, Apr. 28, 1977.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 28	6.0

334128089441701. Local number, H111.

LOCATION.--Lat 33°41'28", long 89°44'17", Hydrologic Unit 08030205, SE&SE¼ sec.11, T.21 N., R.5 E., 1 mi (1.6 km) east of center of Elliot on west bank of Batupan Bogue.

Owner: E. T. Hill.

AQUIFER.--Sand of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 502 ft (153 m), screened 421-502 ft (128-153 m).

DATUM.--Land-surface datum is 208.69 ft (63.61 m) above mean sea level. Measuring point: Top of concrete base (since Feb. 11, 1976), 4.00 ft (1.22 m) above land-surface datum.

PERIOD OF RECORD.--1943, February 1954 to October 1963, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.50 ft (4.72 m) above land-surface datum, Jan. 2, 1943; lowest measured, 1.56 ft (0.48 m) above land-surface datum, Apr. 28, 1977.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 28	1.56

334147089433801. Local number, H113.

LOCATION.--Lat 33°41'47", long 89°43'38", Hydrologic Unit 08030205, NE¼SW¼ sec.12, T.21 N., R.5 E., 1.5 mi (2.4 km) east of center of Elliot.

Owner: J. W. Willis, Sr.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12-10 in (30-25 cm), depth 211 ft (64 m), screened 161-211 ft (49-64 m).

DATUM.--Land-surface datum is 216.70 ft (66.05 m) above mean sea level. Measuring point: Top of air vent hole in pump base, 3.40 ft (1.04 m) above land-surface datum.

PERIOD OF RECORD.--1954 to October 1963, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.39 ft (2.25 m) below land-surface datum, Apr. 6, 1976; lowest measured, 15.74 ft (4.80 m) below land-surface datum, Nov. 6, 1957.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 28	8.73

334148089425701. Local number, J2.

LOCATION.--Lat 33°41'48", long 89°42'57", Hydrologic Unit 08030205, NW¼SW¼ sec. 7, T.21 N., R.6 E., 2.5 mi (4.0 km) east of center of Elliot.

Owner: J. W. Willis, Jr.

AQUIFER.--Sand of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 12 in (30 cm), depth 429 ft (131 m), cased to 390 ft (119 m).

DATUM.--Land-surface datum is 227.21 ft (69.25 m) above mean sea level. Measuring point: Top of concrete base (since Feb. 11, 1976, 1.50 ft (0.46 m) above land-surface datum.

PERIOD OF RECORD.--September 1942, October 1956 to October 1963, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.10 ft (0.64 m) above land-surface datum, Sept. 19, 1942; lowest measured, 13.48 ft (4.11 m) below land-surface datum, Apr. 28, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 28	13.48

HANCOCK COUNTY

302158089372901. Local number, H3.

LOCATION.--Lat 30°21'58", long 89°37'29", Hydrologic Unit 03180004, SW¼NW¼ sec. 8, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 1524 ft (465 m), cased to 1464 ft (446 m).

DATUM.--Land-surface datum is 28 ft (8.5 m) above mean sea level. Measuring point: Top of well head 4.20 ft (1.28 m) above land-surface datum.

PERIOD OF RECORD.--January 1963, October 1965 to January 1968, April 1970, April 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 87 ft (26.5 m) above land-surface datum, Jan. 1963; lowest measured, 61.6 ft (18.8 m) above land-surface datum, Apr. 20, 1977.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 20	61.6

302140089345901. Local number, H4.

LOCATION.--Lat 30°21'40", long 89°34'59", Hydrologic Unit 03180004, NE¼SE¼ sec.10, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18 in (46 cm), depth 1873 ft (571 m), cased to 1803 ft (550 m).

DATUM.--Land-surface datum is 21 ft (6.4 m) above mean sea level. Measuring point: Top of faucet 1.90 ft (0.58 m) above land-surface datum.

PERIOD OF RECORD.--1963, August 1965 to January 1968, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 104 ft (31.7 m) above land-surface datum, 1963; lowest measured, 77.8 ft (23.7 m) above land-surface datum, Apr. 1, 1976.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 20	79.2

302227089373001. Local number, H5.

LOCATION.--Lat 30°22'27", Long 89°37'30", Hydrologic Unit 03180004, NE¼SW¼ sec. 5, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 1481 ft (451 m), cased to 1420 ft (433 m).

DATUM.--Land-surface datum 29 ft (8.8 m) above mean sea level. Measuring point: Top of well head 6.20 ft (1.89 m) above land-surface datum.

PERIOD OF RECORD.--May 1964 to March 1968, Apr. 1 1970, April 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 81.3 ft (24.8 m) above land-surface datum June 3, 1966; lowest measured, 59.7 ft (18.2 m) above land-surface datum Apr. 20, 1977.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 20	59.7

302140089351401. Local number, H6.

LOCATION.--Lat 30°21'40", Long 89°35'14", Hydrologic Unit 03180004, NE¼SW¼ sec.10, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18 in (46 cm), depth 1695 ft (517 m), cased to 1585 ft (483 m).

DATUM.--Land-surface datum is 23 ft (7 m) above mean sea level. Measuring point: Top of concrete base 3.0 ft (0.91 m) above land-surface datum.

PERIOD OF RECORD.--October 1965 to February 1968, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 94.9 ft (28.9 m) above land surface datum, Nov. 11, 1965; lowest measured, 70.7 ft (21.5 m) above land surface datum, Apr. 1, 1976.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 20	73.2

302206089350601. Local number, H7.

LOCATION.--Lat 30°22'06", Long 89°35'06", Hydrologic Unit 03180004, NW¼NE¼ sec.10, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30.5 cm), depth 1434 ft (437.1 m), cased to 1371 ft (417.9 m).

DATUM.--Land-surface datum is 25 ft (7.6 m) above mean sea level. Measuring point: Bottom of recorder 0.4 ft (0.12 m) below land-surface datum.

PERIOD OF RECORD.--1964, 1967, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 89.6 ft (27.3 m) above land-surface datum, March 1, 1967; lowest measured, 66.3 ft (20.2 m) above land-surface datum, April 1, 1976.

No measurement made in fiscal year 1977.

302126089351401. Local number, H8.

LOCATION.--Lat 30°21'26", Long 89°35'14", Hydrologic Unit 03180004, SW¼SE¼ sec. 10, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Miocene Age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 24 in (61 cm), depth 672 ft (205 m), cased to 460 ft (140 m).

DATUM.--Land-surface datum is 19 ft (5.8 m) above mean sea level. Measuring point: Top of concrete base, 3.5 ft (1.1 m) above land-surface datum.

PERIOD OF RECORD.--April 1965 to January 1968, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.9 ft (4.5 m) above land-surface datum, April 19, 1965; lowest measured, 5.1 ft (1.6 m) above land-surface datum, April 25, 1970.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 20	9.71

302118089351501. Local number, H11.

LOCATION.--Lat 30°21'18", long 89°35'15", Hydrologic Unit 03180004, NW¼NE¼ sec.15, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 676 ft (206 m), cased to 646 ft (197 m).

DATUM.--Land-surface datum is 21.4 ft (6.5 m) above mean sea level. Measuring point: Top of 3/4-in (1.90-cm) gate valve, 2.90 ft (0.88 m) above land-surface datum.

PERIOD OF RECORD.--July 1967 to April 1968, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.5 ft (5.3 m) above land-surface datum, Apr. 20, 1972; lowest measured, 9.0 ft (2.7 m) above land-surface datum, Apr. 11, 1968.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 20	12.0

302118089351502. Local number, H12.

LOCATION.--Lat 30°21'18", long 89°35'15", Hydrologic Unit 03180004, NW¼NE¼ sec.15, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 599 ft (183 m), cased to 569 ft (173 m).

DATUM.--Land-surface datum is 20.9 ft (6.4 m) above mean sea level. Measuring point: Top of 3/4-in (1.90-cm) gate valve, 2.90 ft (0.88 m) above land-surface datum.

PERIOD OF RECORD.--July 1967 to April 1968, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.5 ft (4.4 m) above land-surface datum, Apr. 20, 1972; lowest measured, 5.5 ft (1.7 m) above land-surface datum, Apr. 11, 1968.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 20	9.0

302118089351503. Local number, H13.

LOCATION.--Lat 30°21'18", long 89°35'15", Hydrologic Unit 03180004, NW¼NE¼ sec.15, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 491 ft (150 m), cased to 461 ft (141 m).

DATUM.--Land-surface datum is 21.2 ft (6.5 m) above mean sea level. Measuring point: Top of 3/4-in (1.90-cm) gate valve, 2.60 ft (0.79 m) above land-surface datum.

PERIOD OF RECORD.--July 1967 to April 1968, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.5 ft (3.8 m) above land-surface datum, Apr. 20, 1972, lowest measured, 1.0 ft (0.30 m) above land-surface datum, Apr. 11, 1968.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 20	6.8

302118089351504. Local number, H14.

LOCATION.--Lat 30°21'18", long 89°35'15", Hydrologic Unit 03180004, NE¼ sec.15, T.8 S., R.6 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Citronelle Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 144 ft (44 m), cased to 84 ft (26 m).

DATUM.--Land-surface datum is about 20 ft (6 m) above mean sea level. Measuring point: Top of casing, 1.50 ft (0.46 m) above land-surface datum.

PERIOD OF RECORD.--1968, January 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.6 ft (1.1 m) below land-surface datum, May 1, 1974; lowest measured, 8.3 ft (2.5 m) below land-surface datum, June 3, 1968.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 20	4.25

HANCOCK COUNTY--Continued

301858089202301. Local number, K1.

LOCATION.--Lat 30°18'58", long 89°20'23", Hydrologic Unit 03170009, NW¼SW¼ sec.3, T.8 S., R.13 W., 0.5 mi (0.8 km) south of center of Bay St. Louis at St. Charles Street and Hancock Street.

Owner: City of Bay St. Louis.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 1,300 ft (396 m), cased to 1,280 ft (390 m).

DATUM.--Land-surface datum is about 16 ft (4.9 m) above mean sea level. Measuring point: Top of plate on well head, 1.20 ft (0.37 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.1 ft (9.2 m) above land-surface datum, Nov. 1, 1960; lowest measured, 1.19 ft (0.36 m) below land-surface datum, Apr. 20, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 20	1.19

301900089201801. Local number, K4.

LOCATION.--Lat 30°19'00", Long 89°20'18", Hydrologic Unit 03170009, SW¼ sec.30, T.8 S., R.13 W., .2 mi (.32 km) north of Beach Blvd. on St. Charles Street

Owner: City of Bay St. Louis.

AQUIFER.--Sand of Pascagoula Formation of Late Miocene age.

WELL CHARACTERISTICS.--Drilled public supply artesian well, diameter 8 in (20 cm), depth 1210 ft (369 m), cased to 1150 ft (292 m).

DATUM.--Land-surface datum is about 16 ft (4.9 m) above mean sea level. Measuring point: Top of concrete base at land-surface datum.

PERIOD OF RECORD.--August 1975, April 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17 ft (5.2 m) above land-surface datum, Aug. 1975; lowest water level measured 16.8 ft (5.1 m) above land-surface datum, Apr. 20, 1977.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 20	16.8

HARRISON COUNTY

303110089070201. Local number, G121.

LOCATION.--Lat 30°31'10", long 87°07'02", Hydrologic Unit 03170009, NE¼SW¼ sec.17, T.6 S., R.11 W., 2 mi (3.2 km) northwest of center of Lyman at fish hatchery.

Owner: Mississippi Game and Fish Commission.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in (7.6 cm), depth 456 ft (139 m), screened 416-456 ft (127-139 m).

DATUM.--Land-surface datum is about 70 ft (22 m) above mean sea level. Measuring point: Top of casing, 0.40 ft (0.12 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--1939, July 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.0 ft (3.0 m) below land-surface datum, Apr. 14, 1939; lowest measured, 52.82 ft (16.10 m) below land-surface datum, July 25, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	50.90	APR 20	49.24	JUL 25	52.82

302240089025401. Local number, L144.

LOCATION.--Lat 30°22'40", long 89°02'54", Hydrologic Unit 03170009, SW¼NW¼ sec.1, T.8 S., R.11 W., 2.5 mi (4.0 km) east of center of Gulfport at V.A. Hospital on U.S. Highway 90.

Owner: U.S. Government (V.A. Hospital).

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth reported 898 ft (274 m), cased to 818 ft (249 m).

DATUM.--Land-surface datum is about 21 ft (6.4 m) above mean sea level. Measuring point: Steel plate on top of tee, 3.00 ft (0.91 m) above land-surface datum.

PERIOD OF RECORD.--March 1939, June 1957 to December 1958, April 1960 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.3 ft (8.6 m) above land-surface datum, Mar. 17, 1939; lowest measured, 35.84 ft (10.92 m) below land-surface datum, July 24, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	27.19	APR 20	21.95	JUL 24	35.84

302200089053301. Local number, L154.

LOCATION.--Lat 30°22'00", long 89°05'33", Hydrologic Unit 03170009, NW¼NE¼ sec.9, T.8 S., R.11 W., at center of Gulfport at post office at U.S. Highways 49 and 90.

Owner: U.S. Post Office Dept., Gulfport.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in (7.6 cm), depth 1,262 ft (385 m), screened 1,232-1,262 ft (376-385 m).

DATUM.--Land-surface datum is 19.62 ft (5.98 m) above mean sea level. Measuring point: Top of 3-in (7.6-cm) casing tee, 1.70 ft (0.52 m) above land-surface datum.

PERIOD OF RECORD.--March 1939 to October 1950, January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.1 ft (8.3 m) above land-surface datum, Jan. 31, 1940; lowest measured, 13.50 ft (4.11 m) below land-surface datum, July 25, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	12.96	APR 20	12.55	JUL 25	13.50

302127089051901. Local number, L172.

LOCATION.--Lat 30°21'27", long 89°05'19", Hydrologic Unit 03170009, NW¼NE¼ sec.9, T.8 S., R.11 W., 0.7 mi (1.1 km) south of center of Gulfport on south end of municipal pier.

Owner: Gulfport Municipal Harbor. South end of main pier.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth reported 800 ft (244 m), cased to 760 ft (232 m).

DATUM.--Land-surface datum is 7.6 ft (2.93 m) above mean sea level. Measuring point: Top of casing, 1.70 ft (0.52 m) above land-surface datum.

PERIOD OF RECORD.--1939, June 1956 to November 1974, April 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.0 ft (11.6 m) above land-surface datum, Mar. 16, 1939; lowest measured, 5.8 ft (1.8 m) below land-surface datum, Nov. 6, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 20	5.07

302355088540301. Local number, M120.

LOCATION.--Lat 30°23'55", long 88°54'03", Hydrologic Unit 03170009, NW¼SE¼ sec.26, T.7 S., R.9 W., 1 mi (1.6 km) west of center of Biloxi at Howard Ave. and Querens Street.

Owner: City of Biloxi.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth reported 928 ft (283 m), sounded to 660 ft (201 m).

DATUM.--Land-surface datum is 21.28 ft (6.49 m) above mean sea level. Measuring point: Top of 8-in (20-cm) flange, 3.00 ft (0.91 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--1903, January 1945 to June 1946, March 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.0 ft (13.4 m) above land-surface datum, 1903; lowest measured, 63.0 ft (19.2 m) below land-surface datum, June 15, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	54.3	48.1	41.6	---	50.4	44.4	45.8	57.9	---	---	53.2
10	---	53.6	47.4	50.8	---	50.0	45.1	53.4	60.4	---	---	53.2
15	45.7	54.0	41.0	49.7	---	43.7	44.0	54.8	63.0	59.0	---	---
20	44.2	52.6	40.4	45.8	49.4	44.7	50.1	57.9	---	59.9	---	54.0
25	45.1	---	41.0	44.4	50.4	42.4	50.4	58.9	---	58.8	---	54.1
EOM	52.5	---	39.4	---	50.8	45.6	52.1	57.5	---	56.1	---	57.3

HARRISON COUNTY-Continued

301856089145301. Local number, N3.

LOCATION.--Lat 30°18'56", long 89°14'53", Hydrologic Unit 03170009, SW¼NW¼ sec.30, T.8 S., R.13 W., 0.1 mi (0.2 km) northwest of center of Pass Christian at 2nd and Clark Streets.

Owner: Town of Pass Christian.

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 6 in (15 cm), depth 1,111 ft (339 m), cased to 1,051 ft (320 m).

DATUM.--Land-surface datum is about 15 ft (4.6 m) above mean sea level. Measuring point: Top of 8-in (20-cm) tee, 2.00 ft (0.61 m) above land-surface datum.

PERIOD OF RECORD.--1948, 1968, August 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39 ft (12 m) above land-surface datum, 1948; lowest measured, 6.6 ft (2.0 m) above land-surface datum, Jan. 8, 1974.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	8.5	APR 20	8.85

HINDS COUNTY

322828090170501. Local number, C15.

LOCATION.--Lat 32°28'28", long 90°17'05", Hydrologic Unit 08060202, SW¼SE¼ sec.3, T.2 N., R.1 W., 0.2 mi (0.3 km) northeast of center of Pocahontas at elevated water tank.

Owner: Town of Pocahontas.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth reported 786 ft (240 m).

DATUM.--Land-surface datum is about 240 ft (73 m) above mean sea level. Measuring point: Hole in plate on well head, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--September 1959, September 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 87.60 ft (26.70 m) below land-surface datum, Sept. 15, 1959; lowest measured, 101.25 ft (30.86 m) below land-surface datum, April 27, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 27	101.25

321949090361501. Local number, D1.

LOCATION.--Lat 32°19'49", long 90°36'15", Hydrologic Unit 08060202, SW¼SW¼ sec.27, T.6 N., R.4 W., 0.2 mi (0.3 km) south of center of Edwards on State Highway 467.

Owner: Town of Edwards.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of Middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 1,154 ft (352 m).

DATUM.--Land-surface datum is about 220 ft (67 m) above mean sea level. Measuring point: Breather hole in west side of pump base, at land-surface datum.

PERIOD OF RECORD.--1930, September 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 84 ft (26 m) below land-surface datum, 1930; lowest measured, 113.16 ft (34.49 m) below land-surface datum, Apr. 27, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
MAY 25	107.68

321945090152201. Local number, G125.

LOCATION.--Lat 32°19'45", long 90°15'22", Hydrologic Unit 03180002, SE¼SW¼ sec.25, T.6 N., R.1 W., 5 mi (8 km) northwest of center of Jackson at Clinton Blvd. and Dixon Rd.

Owner: Shady Oaks Country Club.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 852 ft (260 m), cased to 802 ft (244 m).

DATUM.--Land-surface datum is 372 ft (113 m) above mean sea level. Measuring point: Top of 4-in (10-cm) coupling, 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--1928, September 1944 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 160.0 ft (48.8 m) below land-surface datum, 1928; lowest measured, 288.90 ft (88.05 m) below land-surface datum, July 27, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	282.80	DEC 22	279.92	FEB 22	281.91	APR 25	283.65	JUN 22	287.78	AUG 23	288.45
NOV 22	280.57	JAN 26	280.39	MAR 24	282.85	MAY 25	285.92	JUL 27	288.90	SEP 21	288.16

322146090133001. Local number, H3.

LOCATION.--Lat 32°21'46", long 90°13'30", Hydrologic Unit 03180002, SW¼SW¼ sec.8, T.6 N., R.1 E., 7 mi (11 km) northwest of center of Jackson on Forrest Ave. Ext.

Owner: R. D. Robinson.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in (7.6 cm), depth 760 ft (232 m).

DATUM.--Land-surface datum is about 360 ft (110 m) above mean sea level. Measuring point: Top of casing, 1.00 ft (0.30 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 200.00 ft (60.96 m) below land-surface datum, Apr. 2, 1970; lowest measured, 251.48 ft (76.65 m) below land-surface datum, June 29, 1965.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 26	238.86	APR 25	242.24	JUL 27	250.30

322301090090001. Local number, H23.

LOCATION.--Lat 32°23'01", long 90°09'00", Hydrologic Unit 03180002, NW¼NE¼ sec.12, T.6 N., R.1 E., 6 mi (9.7 km) north of center of Jackson at Briarwood Drive and 155.

Owner: Kenneth Muse.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 728 ft (222 m).

DATUM.--Land-surface datum is about 315 ft (96 m) above mean sea level. Measuring point: Top of casing, 0.65 ft (0.20 m) above land-surface datum.

PERIOD OF RECORD.--October 1955 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 161.96 ft (49.37 m) below land-surface datum, Apr. 12, 1957; lowest measured, 220.83 ft (67.30 m) below land-surface datum, Sept. 21, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	213.90	DEC 22	212.45	FEB 22	213.40	APR 25	215.00	JUN 22	217.50	AUG 23	219.12
NOV 22	212.88	JAN 26	212.87	MAR 24	214.27	MAY 25	216.08	JUL 27	218.44	SEP 21	220.83

322021090114101. Local number, H43.

LOCATION.--Lat 32°20'21", long 90°11'41", Hydrologic Unit 03180002, NE¼NE¼ sec.23, T.6 N., R.1 E., 6 mi (9.7 km) north of center of Jackson at Livingston Road and Stonewall Street.

Owner: Royster Guano.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 850 ft (259 m).

DATUM.--Land-surface datum is 336.83 ft (102.67 m) above mean sea level. Measuring point: Top of casing, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--April 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 186.69 ft (56.90 m) below land-surface datum, Apr. 12, 1957; lowest measured, 245.92 ft (74.96 m) below land-surface datum, July 14, 1970.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 26	234.68	APR 25	238.76	JUL 27	243.02

321957090105601. Local number, H155.

LOCATION.--Lat 32°19'57", long 90°10'56", Hydrologic Unit 03180002, NW¼SE¼ sec.27, T.6 N., R.1 E., 2 mi (3.2 km) north of center of Jackson on North West Street near Taylor Street.

Owner: Mississippi Geological Survey.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well (test hole), diameter 4 in (10 cm), depth 158 ft (48 m).

DATUM.--Land-surface datum is about 330 ft (101 m) above mean sea level. Measuring point: Top of casing, 0.40 ft (0.12 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 143.13 ft (43.63 m) below land-surface datum, July 11, 1972; lowest 147.66 ft (45.01 m) below land-surface datum, July 27, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 26	146.78	APR 25	147.05	JUL 27	147.66

322241090073701. Local number, H160.

LOCATION.--Lat 32°, 22'41", long 90°07'37", Hydrologic Unit 03180002, SE¼NE¼ sec.7, T.6 N., R.2 E., 7 mi (11 km) northeast of center of Jackson at Old Canton Road and Parkway.

Owner: Colonial Country Club.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth reported 773 ft (236 m), cased to 634 ft (193 m).

DATUM.--Land-surface datum is about 305 ft (93 m) above mean sea level. Measuring point: Top of casing, at land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 136.73 ft (41.68 m) below land-surface datum, Mar. 30, 1954; lowest measured, 200.75 ft (61.19 m) below land-surface datum, Sept. 21, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	195.45	DEC 22	193.96	FEB 22	194.41	APR 25	195.65	JUN 22	198.75	AUG 23	200.07
NOV 22	194.70	JAN 26	194.12	MAR 24	194.98	MAY 25	197.90	JUL 27	199.47	SEP 21	200.75

321521090245101. Local number, L5.

LOCATION.--Lat 32°15'21", long 90°24'51", Hydrologic Unit 08060202, NE¼NW¼ sec.20, T.5 N., R.2 E., 0.1 mi (0.2 km) northwest of center of Raymond on Court Street east of Oak Street.

Owner: Town of Raymonds.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 1,185 ft (361 m).

DATUM.--Land-surface datum is about 328 ft (100 m) above mean sea level. Measuring point: Top of air vent in pump base, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--September 1960, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 191.70 ft (58.43 m) below land-surface datum, Mar. 18, 1971; lowest measured, 205.09 ft (62.51 m) below land-surface datum, Sept. 1, 1960.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 25	202.88

321300090142001. Local number, R23.

LOCATION.--Lat 32°13'00", long 90°14'20", Hydrologic Unit 03180002, SE¼NW¼ sec.6, T.4 N., R.1 E., 6 mi (9.7 km) south of center of Jackson at Taylorsville on Elton Road near Terry Road.

Owner: E. J. Ainsworth.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 840 ft (256 m).

DATUM.--Land-surface datum is about 380 ft (116 m) above mean sea level. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--June 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 220.97 ft (67.35 m) below land-surface datum, June 30, 1959; lowest measured, 262.77 ft (80.09 m) below land-surface datum, Sept. 15, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 25	261.35

320620090370001. Local number, S3.

LOCATION.--Lat 32°06'20", long 90°37'00", Hydrologic Unit 08060203, NE¼NW¼ sec.16, T.3 N., R.4 W., 1 mi (1.6 km) east of center of Utica on State Highway 18 near State Highway 27.

Owner: Town of Utica.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 1,310 ft (399 m), screened 1,240-1,310 ft (378-399 m).

DATUM.--Land-surface datum is about 308 ft (94 m) above mean sea level. Measuring point: Top of casing, 1.40 ft (0.43 m) above land-surface datum.

PERIOD OF RECORD.--October 1956 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 179.65 ft (54.76 m) below land-surface datum, Feb. 27, 1958; lowest measured, 191.40 ft (58.34 m) below land-surface datum, Apr. 25, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 25	191.40

330650090034501. Local number, L43.

LOCATION.--Lat 33°06'50", long 90°03'45", Hydrologic Unit 08030206, SW¼NE¼ sec.35, T.15 N., R.2 E., 0.3 mi (0.5 km) west of center of Lexington on Boulevard Street at McLean Street.

Owner: Eric Norquist.

AQUIFER.--Sand of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth reported 1,000 ft (305 m).

DATUM.--Land-surface datum is about 205 ft (62 m) above mean sea level. Measuring point: Top of tee at well head, at land-surface datum.

PERIOD OF RECORD.--October 1957, January 1959, April 1962, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.90 ft (0.88 m) above land-surface datum, Jan. 12, 1959; lowest measured, 0.90 ft (0.27 m) below land-surface datum, Nov. 3, 1976.

WATER LEVEL, IN FEET ABOVE AND BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 3	-0.90	APR 28	+0.19

330448090192201. Local number, P159.

LOCATION.--Lat 33°04'48", long 90°19'22", Hydrologic Unit 08030206, NE¼NW¼ sec.8, T.14 N., R.1 W., at Thornton.

Owner: M. L. Smith.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 3-2 in (7.6-5.1 cm), depth, 1,597 ft (487 m), screened 1,557-1,597 ft (475-487 m).

DATUM.--Land-surface datum is 111.72 ft (34.05 m) above mean sea level. Measuring point: Top of 3-in (7.6 cm) tee, at land-surface datum.

PERIOD OF RECORD.--February 1939 to April 1972, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 139.6 ft (42.6 m) above land-surface datum, July 31, 1941; lowest measured, 87.0 ft (26.5 m) above land-surface datum, Nov. 3, 1976.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 3	87.0	APR 27	88.0

330443089512503. Local number, T4.

LOCATION.--Lat 33°04'43", long 89°51'25", Hydrologic Unit 08060201, SE¼ sec.11, T.14 N., R.4 E., 0.3 mi (0.5 km) northwest of center of Durant at Lamar Street and Ramsey Street.

Owner: Town of Durant.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 700 ft (213 m).

DATUM.--Land-surface datum is 267 ft (81 m) above mean sea level. Measuring point: 3/4-in (1.90-cm) hole in west side of well head, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--January 1957, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6 ft (1.8 m) above land-surface datum, January 1957; lowest measured, 17.50 ft (5.33 m) below land-surface datum, Apr. 29, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 2	15.90	MAY 6	15.66

330420089510901. Local number, T14.

LOCATION.--Lat 33°04'20", long 89°51'09", Hydrologic Unit 08060201, SE¼NE¼ sec.14, T.14 N., R.4 E., 0.1 mi (0.2 km) southeast of center of Durant at Cedar Street and Love Street.

Owner: Illinois Central Railroad.

AQUIFER.--Sand of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 608 ft (185 m), cased to 588 ft (179 m).

DATUM.--Land-surface datum is about 263 ft (80 m) above mean sea level. Measuring point: 2-in (5.1-cm) hole in top of casing, 0.60 ft (0.18 m) above land-surface datum.

PERIOD OF RECORD.--October 1959, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.77 ft (2.06 m) above land-surface datum, Oct. 8, 1959; lowest measured, 8.00 ft (2.44 m) below land-surface datum, Nov. 2, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 2	8.00	APR 28	7.10

HUMPHREYS COUNTY

331151090290201. Local number, C110.

LOCATION.--Lat 33°11'51", long 90°29'02", Hydrologic Unit 08030207, NW¼NW¼ sec.35, T.16 N., R.3 W., 1.4 mi (2.2 km) northeast of center of Belzoni on east side of U.S. Highway 49W.

Owner: Wister Henry.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4-2 in (10-5.1 cm), depth 1,627 ft (496 m), screened 1,587-1,627 ft (484-496 m).

DATUM.--Land-surface datum is 115.21 ft (35.12 m) above mean sea level. Measuring point: Top of 4-in (10-cm) tee, 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--November 1939 to December 1941, April 1944 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 114.3 ft (34.8 m) above land-surface datum, Feb. 1, 1941; lowest measured, 64.0 ft (19.5 m) above land-surface datum, May 6, 1977.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 3	65.5	MAY 6	64.0

ITAWAMBA COUNTY

341633088243801. Local number, G24.

LOCATION.--Lat 34°16'33", long 88°24'38", Hydrologic Unit 03160101, NW¼NE¼ sec.25, T.9 S., R.8 E., 0.2 mi (0.3 km) northwest of center of Fulton on Hill Street at Waterworks.

Owner: Town of Fulton.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 164 ft (50 m).

DATUM.--Land-surface datum is about 320 ft (98 m) above mean sea level. Measuring point: Top of casing, 1.25 ft (0.38 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--August 1954, August 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.6 ft (7.2 m) below land-surface datum, Feb. 16, 1959; lowest measured, 74.65 ft (22.75 m) below land-surface datum, Apr. 20, 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
OCT 15	52.07

JACKSON COUNTY

302454088493401 (formerly 302455088493501). Local number, N48.

LOCATION.--Lat 30°24'55", long 88°49'35", Hydrologic Unit 03170009, SE¼SW¼ sec.19, T.7 S., R.8 W., 0.1 mi (0.2 km) east of depot at Ocean Springs at Robinson Ave. and Cash Alley.

Owner: Louisville and Nashville RR.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth reported 535 ft (163 m), screened 495-535 ft (151-163 m), cased to 495 ft (151 m).

DATUM.--Land-surface datum is about 23 ft (7 m) above mean sea level. Measuring point: Hole in northwest side of pump, 0.80 ft (0.24 m) above land-surface datum.

PERIOD OF RECORD.--1928, April 1939, August 1958 to July 1963, July 1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.0 ft (9.1 m) above land-surface datum, 1928; lowest measured, 65.13 ft (19.85 m) below land-surface datum, July 15, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 20	56.24	JUL 15	65.13

302357088473801. Local number, N73.

LOCATION.--Lat 30°23'57", long 88°47'38", Hydrologic Unit 03170009, SE¼NW¼ sec.28, T.2 S., R.8 W., 2 mi (3.2 km) southeast of center of Ocean Springs on Henley Street near park entrance.

Owner: Magnolia State Park.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 536 ft (163 m), screened 516-536 ft (157-163 m).

DATUM.--Land-surface datum is about 22 ft (7 m) above mean sea level. Measuring point: Top of casing, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--April 1938, June 1956 to April 1973, June 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.0 ft (3.7 m) above land-surface datum, Apr. 8, 1938; lowest measured, 63.07 ft (20.43 m) below land-surface datum, July 11, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 20	51.14	JUL 11	63.07

302451088325901. Local number, P45.

LOCATION.--Lat 30°24'51", long 99°32'59", Hydrologic Unit 03170008, NE¼NE¼ sec.10, T.7 S., R.6 W., 0.5 mi (0.8 km) northwest of center of Moss Point at Weems Street and Dantzler Street.

Owner: Central Artesian Well Co.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 806 ft (246 m), cased to 806 ft (246 m).

DATUM.--Land-surface datum is about 20 ft (6 m) above mean sea level. Measuring point: Hole in tee, 0.80 ft (0.24 m) above land-surface datum.

PERIOD OF RECORD.--September 1919, September 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.0 ft (8.5 m) above land-surface datum, Sept. 6, 1919; lowest measured, 51.73 ft (15.77 m) below land-surface datum, July 26, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 21	50.87	JUL 26	51.73

302244088325801. Local number, P68.

LOCATION.--Lat 30°22'44", long 88°32'58", Hydrologic Unit 03170006, SE¼NE¼ sec.2, T.8 S., R.6 W., 1 mi (1.6 km) north of center of Pascagoula at Market Street and River Road.

Owner: City of Pascagoula.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in (30 cm), depth 292 ft (89 m), cased to 282 ft (86 m).

DATUM.--Land-surface datum is about 12 ft (3.7 m) above mean sea level. Measuring point: Air vent in top of plate at well head, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--April 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.05 ft (15.56 m) below land-surface datum, Apr. 18, 1962; lowest measured, 95.90 ft (29.23 m) below land-surface datum, July 12, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
JUL 12	95.90

302205088334005. Local number, P113.

LOCATION.--Lat 30°22'05", long 88°33'40", Hydrologic Unit 03170006, NW¼NW¼ sec.5, T.8 S., R.6 W., 0.2 mi (0.3 km) northwest of center of Pascagoula at Railroad Ave. and Frederic Street.

Owner: City of Pascagoula.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10 in (25 cm), depth 388 ft (118 m), cased to 308 ft (94 m).

DATUM.--Land-surface datum is about 13 ft (4.0 m) above mean sea level. Measuring point: Top of casing (since Apr. 20, 1976), at land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 34.40 ft (10.49 m) below land-surface datum, Apr. 10, 1958; lowest measured, 75.58 ft (23.04 m) below land-surface datum, July 13, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
JUL 13	75.58

JACKSON COUNTY--Continued

302134088330803. Local number, P124.

LOCATION.--Lat 30°21'34", long 88°33'08", Hydrologic Unit 03170006, SW¼SE¼ sec.11, T.8 S., R.6 W., 0.5 mi (0.8 km) southeast of center of Pascagoula at Community Street east of Pascagoula Street.

Owner: City of Pascagoula.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in (30 cm), depth 801 ft (244 m), cased to 721 ft (220 m).

DATUM.--Land-surface datum is 10.50 ft (3.20 m) above mean sea level. Measuring point: Hole in northeast side of plate at well head, 1.00 ft (0.30 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--April 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.70 ft (1.43 m) below land-surface datum, Mar. 21, 1960; lowest measured, 144.64 ft (44.09 m) below land-surface datum, June 12, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
JUL 12	91.20

302042088331801. Local number, P134.

LOCATION.--Lat 30°20'42", long 88°33'18", Hydrologic Unit 03170006, SE¼ sec.6, T.8 S., R.6 W., 1.5 mi (2.4 km) south of center of Pascagoula at Farnsworth Ave. and Firth St.

Owner: City of Pascagoula.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in (30 cm), depth 750 ft (229 m).

DATUM.--Land-surface datum is 10.54 ft (3.21 m) above mean sea level. Measuring point: Air vent in north side of pump base, 1.00 ft (0.30 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--April 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.14 ft (3.09 m) below land-surface datum, May 5, 1960; lowest measured, 121.03 ft (36.89 m) below land-surface datum, June 12, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
JUL 12	82.56

302535088303501. Local number, Q25.

LOCATION.--Lat 30°25'35", long 88°30'35", Hydrologic Unit 03170008, NW¼NE¼ sec.20, T.7 S., R.5 W., 2 mi (3.2 km) east of center of Escatawpa on Elder Ferry Road at packing plant.

Owner: Smith Fisheries.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 200 ft (61 m).

DATUM.--Land-surface datum is about 4 ft (1.2 m) above mean sea level. Measuring point: Top of casing, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--June 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.07 ft (3.07 m) below land-surface datum, Apr. 15, 1960; lowest measured, 49.56 ft (15.11 m) below land-surface datum, Apr. 30, 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 21	42.08	JUL 26	46.76

302126088293801 (formerly 302132088293801). Local number, Q112.

LOCATION.--Lat 30°21'32", long 88°29'38", Hydrologic Unit 03170009, SW¼SW¼ sec.9, T.8 S., R.5 W., 5 mi (8 km) south-east of center of Pascagoula on east side of State Highway 611 north of Standard Oil Refinery.

Owner: Jackson County Board of Supervisors.

AQUIFER.--Sand of Citronelle Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6-4 in (15-10 cm), depth 202 ft (62 m), screened 192-202 ft (59-62 m), cased to 192 ft (59 m).

DATUM.--Land-surface datum is about 3.4 ft (1.0 m) above mean sea level. Measuring point: Top of casing, 2.00 ft (0.61 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.29 ft (1.92 m) below land-surface datum, May 6, 1960; lowest measured, 16.22 ft (4.94 m) below land-surface datum, July 14, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR 21	14.78	OCT 28	15.73	JUL 14	16.22	AUG 30	15.42	SEP 13	15.25

332103088294701. Local number, Q403.

LOCATION.--Lat 33°21'03", long 88°29'47", Hydrologic Unit 03170009, NE¼SE¼ sec.17, T.8 S., R.5 W., 5 mi (8 km) southeast of center of Pascagoula on west side of State Highway 611 at Coastal Chemical Co.

Owner: U.S. Geological Survey.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 346 ft (105 m), cased to 340 ft (104 m).

DATUM.--Land-surface datum is about 12 ft (3.7 m) above mean sea level. Measuring point: Top of casing, 3.3 ft (1.0 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 118.92 ft (36.23 m) below land-surface datum, Sept. 13, 1977; lowest measured, 145.1 ft (44.2 m) below land-surface datum, June 19, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	139.97	MAR 23	126.09	JUL 14	126.97	AUG 9	126.82	SEP 13	118.92
FEB 9	137.97	APR 21	124.44	JUL 27	134.22	AUG 30	118.99		

JEFFERSON COUNTY

314247091034201 (formerly 314240091034001). Local number, H3.

LOCATION.--Lat 31°42'40", long 91°03'40", Hydrologic Unit 08060204, SW¼NW¼ lot 45, T.9 N., R.1 E., 0.1 mi (0.2 km) west of courthouse in Fayette at waterworks.

Owner: Town of Fayette.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth reported 272 ft (83 m), screened 232-272 ft (71-83 m), cased to 232 ft (71 m).

DATUM.--Land-surface datum is 280 ft (85 m) above mean sea level (formerly 270 ft). Measuring point: Top of casing, 1.10 ft (0.34 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 117.60 ft (35.84 m) below land-surface datum, Sept. 9, 1962; lowest measured, 140.58 ft (42.85 m) below land-surface datum, Oct. 7, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 7	140.58	APR 5	139.58

JONES COUNTY

313928089103001. Local number, F20.

LOCATION.--Lat 31°39'28", long 89°10'30", Hydrologic Unit 03170005, NE¼SE¼ sec.14, T.8 N., R.12 W., 5 mi (8 km) southwest of center of Laurel and 0.2 mi (0.3 km) south of Laurel Airport.

Owner: City of Laurel.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 20-12 in (51-30 cm), depth 466 ft (142 m), cased to 406 ft (124 m).

DATUM.--Land-surface datum is about 220 ft (67 m) above mean sea level. Measuring point: Top of recorder house floor, 2.00 ft (0.61 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 119.6 ft (36.5 m) below land-surface datum, Feb. 23, 1976; lowest measured, 156.2 ft (47.6 m) below land-surface datum, July 26, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	152.0	143.2	137.2	138.6	137.6	---	---	132.4	135.0	138.6	---	---
10	145.3	139.2	138.6	139.8	135.7	---	131.0	134.7	136.8	141.4	---	---
15	144.2	135.7	136.2	141.2	134.6	---	132.1	136.1	137.1	---	---	---
20	145.0	134.3	140.4	146.5	136.2	---	131.4	136.8	142.6	---	---	---
25	143.6	134.6	137.4	139.2	131.8	---	131.0	134.0	139.8	---	---	---
EOM	147.1	137.1	135.8	139.8	134.0	---	130.1	134.3	138.7	---	---	---

JONES COUNTY--Continued

314053089065001. Local number, G10.

LOCATION.--Lat 31°40'53", long 89°06'50", Hydrologic Unit 03170005, NW¼NE¼ sec.6, T.8 N., R.11 W., 0.5 mi (0.8 km) west of center of Laurel at 6th Street and 9th Ave. at waterworks.

Owner: City of Laurel.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 1,316 ft (401 m), cased to 1,236 ft (377 m).

DATUM.--Land-surface datum is 278.04 ft (84.75 m) above mean sea level. Measuring point: 1-in (2.54-cm) nipple in steel plate on well head 5.0 ft (1.5 m) above land-surface datum.

PERIOD OF RECORD.--April 1962 to April 1963, June 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.47 ft (6.85 m) below land-surface datum, Apr. 17, 1962; lowest measured, 39.10 ft (11.92 m) below land-surface datum, Apr. 23, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	37.07	APR 22	37.51

314143089083901. Local number, G55.

LOCATION.--Lat 31°41'43", long 89°08'39", Hydrologic Unit 03170005, NW¼NW¼ sec.6, T.8 N., R.11 W., 1 mi (1.6 km) west of center of Laurel at 6th Street and 14th Ave.

Owner: City of Laurel.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 24-12 in (61-30 cm), depth 405 ft (123 m), cased to 345 ft (105 m).

DATUM.--Land-surface datum is 279.2 ft (85.1 m) above mean sea level. Measuring point: Top of recorder house floor, 2.00 ft (0.61 m) above land-surface datum.

PERIOD OF RECORD.--March 1964, January 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 126 ft (38 m) below land-surface datum, March 1964; lowest measured, 186.34 ft (56.80 m) below land-surface datum, Apr. 7, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	184.11	APR 7	186.34	APR 22	184.08

LAFAYETTE COUNTY

342550089312801. Local number, B4.

LOCATION.--Lat 34°25'50", long 89°31'28", Hydrologic Unit 08030201, SW¼NW¼ sec.33, T.7 S., R.3 W., 5 mi (8 km) north of center of Oxford on west side of State Highway 7.

Owner: U.S. Plywood Company.

AQUIFER.--Sand of the Meridian Sand Member of the Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 248 ft (76 m), cased to 208 ft (63 m).

DATUM.--Land-surface datum is about 430 ft (131 m) above mean sea level. Measuring point: Top of concrete base, 1.80 ft (0.55 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 80.10 ft (24.41 m) below land-surface datum, Oct. 19, 1976; lowest measured, 82.90 ft (25.27 m) below land-surface datum, Apr. 12, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	80.10	NOV 2	81.90	NOV 16	81.98	DEC 9	82.45	FEB 2	82.20	APR 12	82.90

342136089315001. Local number, F5.

LOCATION.--Lat 34°21'36", long 89°31'50", Hydrologic Unit 08030203, NW¼NE¼ sec.29, T.8 S., R.3 W., 1 mi (1.6 km) southwest of center of Oxford at University.

Owner: University of Mississippi.

AQUIFER.--Sand of the Meridian Sand Member of the Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in (41 cm), depth 113 ft (34 m), cased to 98 ft (30 m).

DATUM.--Land-surface datum is about 460 ft (140 m) above mean sea level. Measuring point: Top of concrete base, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--1962, October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 71.14 ft (21.7 m) below land-surface datum, Dec. 9, 1976; lowest measured, 82 ft (25 m) below land-surface datum, March 1962.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 9	71.14	FEB 2	71.24	APR 12	71.23

342130089313001. Local number, F21.

LOCATION.--Lat 34°21'30", long 89°31'30", Hydrologic Unit 08030203, SW¼NW¼ sec.28, T.8 S., R.3 W., 1.5 mi (2.4 km) southwest of center of Oxford at Chambers Manufacturing Company south of State Highway 6 on Old Taylor Rd.

Owner: City of Oxford.

AQUIFER.--Sand of the Meridian Sand Member of the Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in (41 cm), depth reported 250 ft (76 m).

DATUM.--Land-surface datum is about 470 ft (143 m) above mean sea level. Measuring point: Top of concrete base, 1.00 ft (0.30 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 98.80 ft (30.11 m) below land-surface datum, Jan. 6, 1976, lowest measured, 108.10 ft (32.95 m) below land-surface datum, Aug. 31, 1973.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	99.15	DEC 8	99.63	FEB 2	99.63	APR 11	100.06

342104089320301. Local number, F112.

LOCATION.--Lat 34°21'04", long 89°32'03", Hydrologic Unit 08030203, SW¼SE¼ sec.29, T.8 S., R.3 W., 1.5 mi (2.4 km) south of State Highway 6 on Old Taylor Rd.

Owner: City of Oxford.

AQUIFER.--Sand of the Wilcox Group of early Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 439 ft (134 m).

DATUM.--Land-surface datum is about 470 ft (143 m) above mean sea level. Measuring point: Top of 6 in (15 cm) casing, 1.00 ft (0.30 m) above land-surface datum.

REMARKS.--Water levels affected by pumping.

PERIOD OF RECORD.--October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 213.77 ft (65.16 m) below land-surface datum, Nov. 17, 1976; lowest measured, 226.15 ft (68.93 m) below land-surface datum, Jun 30, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	213.77	DEC 12	216.17	JAN 25	214.75	MAR 9	220.73	APR 12	219.63	JUNE 30	226.15

LAMAR COUNTY

310935089252001. Local number, L63.

LOCATION.--Lat 31°09'35", long 89°25'20", Hydrologic Unit 03180004, SE¼SE¼ sec.5, T.2 N., R.14 W., 1.5 mi (2.4 km) northwest of center of Purvis on State Highway 581 at elevated water tank.

Owner: Progress Water Association.

AQUIFER.--Sand of the Catahoula Sandstone of early Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 960 ft (293 m), cased to 910 ft (277 m).

DATUM.--Land-surface datum is about 370 ft (113 m) above mean sea level. Measuring point: Top of recorder house floor, 2.30 ft (0.70 m) above land-surface datum.

PERIOD OF RECORD.--1968, September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 220 ft (67 m) below land-surface datum, 1968; lowest measured, 250.75 ft (76.43 m) below land-surface datum, May 27, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 13	247.49	FEB 25	248.16	MAY 27	250.75	AUG 12	248.00

LAUDERDALE COUNTY

321902088445701. Local number, M3.

LOCATION.--Lat 32°19'02", long 88°44'57", Hydrologic Unit 03170001, NW¼SE¼ sec.34, T.6 N., R.15 E., 4 mi (6.4 km) southwest of center of Meridian on U.S. Highway 11 at fish hatchery.

Owner: U.S. Fish and Wildlife.

AQUIFER.--Sand of lower part of the Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled hatchery-supply artesian well, diameter 10-8 in (25-20 cm), depth 729 ft (222 m), cased to 688 ft (210 m).

DATUM.--Land-surface datum is about 295 ft (90 m) above mean sea level. Measuring point: Top of air vent in pump base, at land-surface datum.

REMARKS.--Water levels affected by pumping.

PERIOD OF RECORD.--January 1964 to October 1969, April 1971 to November 1974, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.45 ft (0.44 m) above land-surface datum, Apr. 21, 1976; lowest measured, 34.60 ft (10.55 m) below land-surface datum, Dec. 17, 1968.

No measurements made in fiscal year 1977.

LEAKE COUNTY

324427089295201 (formerly 324420089295001). Local number, L1.
 LOCATION.--Lat 32°44'20", long 89°29'50", Hydrologic Unit 03180001, SW¼SE¼ sec.5, T.10 N., R.8 E., 2.5 mi (4.0 km) east of center of Carthage on State Highway 16 at McAfee.
 Owner: C. Daugherty (formerly Carthage & Canton RR).
 AQUIFER.--Sand of middle part of Wilcox Group of late Paleocene age.
 WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4-2 in (10-5.1 cm), depth reported 700 ft (213 m), screened 680-700 ft (207-213 m), cased to 680 ft (207 m).
 DATUM.--Land-surface datum is about 350 ft (107 m) above mean sea level. Measuring point: Top of 4-in (10 cm) casing, 2.50 ft (0.76 m) above land-surface datum.
 PERIOD OF RECORD.--June 1957 to October 1963, April 1965, November 1968 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.81 ft (6.34 m) below land-surface datum, May 1, 1958; lowest measured, 34.13 ft (10.40 m) below land-surface datum, Oct. 13, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 13	34.13	APR 26	34.05

LEE COUNTY

341547088422901. Local number, H22.
 LOCATION.--Lat 34°15'47", long 88°42'29", Hydrologic Unit 03160102, NW¼NW¼ sec.31, T.9 S., R.6 E., 0.5 mi (0.8 km) northwest of center of Tupelo at Leake Street and Park Ave.
 Owner: City of Tupelo.
 AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
 WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12-8 in (30-20 cm), depth 430 ft (131 m), cased to 370 ft (113 m).
 DATUM.--Land-surface datum is about 280 ft (85 m) above mean sea level. Measuring point: Air vent in north side of pump base, at land-surface datum.
 PERIOD OF RECORD.--1954, October 1965 to October 1967, April 1971 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 120 ft (37 m) below land-surface datum, 1954; lowest measured, 218.50 ft (66.60 m) below land-surface datum, Aug. 21, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	193.22	APR 13	189.75

341939088423601. Local number, H35.
 LOCATION.--Lat 34°19'39", long 88°42'36", Hydrologic Unit 03160102, SW¼NE¼ sec.6, T.9 S., R.6 E., 0.5 mi (0.8 km) north of center of Tupelo on U.S. Highway 45 at Natchez Trace.
 Owner: Natchez Trace Parkway.
 AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
 WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 400 ft (122 m), cased to 20 ft (6.1 m).
 DATUM.--Land-surface datum is about 325 ft (99 m) above mean sea level. Measuring point: Top of casing, 0.50 ft (0.15 m) above land-surface datum.
 PERIOD OF RECORD.--April 1958 to December 1968, October 1975 to September 1976.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 65.32 ft (19.91 m) below land-surface datum, June 17, 1958; lowest measured, 130.15 ft (39.67 m) below land-surface datum, Oct. 15, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	130.15	APR 13	128.30

341536088421001. Local number, H42.
 LOCATION.--Lat 34°15'36", long 88°42'10", Hydrologic Unit 03160102, SE¼NE¼ sec.31, T.9 S., R.6 E., 0.2 mi (0.3 km) northeast of center of Tupelo at Spring Street and Sherwood at waterworks.
 Owner: City of Tupelo.
 AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
 WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16-10 in (41-25 cm), depth 562 ft (171 m), cased to 510 ft (155 m).
 DATUM.--Land-surface datum is about 280 ft (85 m) above mean sea level. Measuring point: Air vent in east side of pump base, 3.00 ft (0.91 m) above land-surface datum.
 REMARKS.--Water levels affected by nearby pumping.
 PERIOD OF RECORD.--August 1966, October 1971 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 164.00 ft (49.99 m) below land-surface datum, Aug. 16, 1966; lowest measured, 222.37 ft (67.78 m) below land-surface datum, Sept. 6, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	189.70	APR 13	199.54

341235088431601. Local number, K29.

LOCATION.--Lat 34°12'35", long 88°43'16", Hydrologic Unit 03160102, SE¼SE¼ sec.13, T.10 S., R.5 E., 3.5 mi (5.6 km) south of center of Tupelo on U.S. Highway 45 at Barber Milk Company.

Owner: Barber Milk Company.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth reported 491 ft (150 m), cased to 451 ft (137 m).

DATUM.--Land-surface datum is about 345 ft (105 m) above mean sea level. Measuring point: Top of recorder house floor, 0.80 ft (0.24 m) above land-surface datum.

REMARKS.--Water levels effected by nearby pumping.

PERIOD OF RECORD.--January 1967 to October 1967, September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 177.2 ft (54.0 m) below land-surface datum, Mar. 22, 1967; lowest measured, 267.54 ft (81.55 m) below land-surface datum, July 27, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 14	262.94	FEB 17	260.90	APR 13	261.42	MAY 26	263.60	JUL 27	267.54

340522088371701 (formerly 340525088371701). Local number, 014.

LOCATION.--Lat 34°05'25", long 88°37'17", Hydrologic Unit 03160102, SW¼SE¼ sec.25, T.11 S., R.6 E., 0.1 mi (0.2 km) east of center of Nettleton on Main Street at waterworks.

Owner: Town of Nettleton.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 612 ft (187 m), cased to 587 ft (179 m).

DATUM.--Land-surface datum is about 260 ft (79 m) above mean sea level. Measuring point: Hole in well base, 0.70 ft (0.21 m) above land-surface datum.

PERIOD OF RECORD.--July 1940, September 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.40 ft (6.83 m) below land-surface datum, July 15, 1940; lowest measured, 51.00 ft (15.54 m) below land-surface datum, Oct. 14, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
OCT 14	51.00

340523088371701. Local number, 015.

LOCATION.--Lat 34°05'23", long 88°37'17", Hydrologic Unit 03160102, SW¼SE¼ sec.25, T.11 S., R.6 E., 0.1 mi (0.2 km) east of center of Nettleton on Main Street at waterworks.

Owner: Town of Nettleton.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 8 in (20 cm), depth 282 ft (86 m).

DATUM.--Land-surface datum is about 266 ft (81 m) above mean sea level. Measuring point: Air vent in west side of pump base, 2.00 ft (0.61 m) above land-surface datum.

PERIOD OF RECORD.--September 1956, March 1968, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20 ft (6.1 m) below land-surface datum, September 1956; lowest measured, 76.50 ft (23.32 m) below land-surface datum, Oct. 14, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 14	76.50	APR 14	73.60

LEFLORE COUNTY

333840090175001. Local number, D8.

LOCATION.--Lat 33°38'40", long 90°17'50", Hydrologic Unit 08030207, SE¼NE¼ sec.33, T.21 N., R.1 W., 3 mi (4.8 km) east of center of Schlater at U.S. Highway 49 and State Highway 442.

Owner: Crossroads Gin.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled gin-supply artesian well, diameter 4 in (10 cm), depth 902 ft (275 m), cased to 882 ft (269 m).

DATUM.--Land-surface datum is about 135 ft (41 m) above mean sea level. Measuring point: Top of 4-in (10-cm) casing cap, at land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.1 ft (2.5 m) above land-surface datum, Feb. 10, 1976; lowest measured, 6.6 ft (2.0 m) above land-surface datum, May 11, 1977.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	7.5	MAY 11	6.6

333823090205101. Local number, D160.
 LOCATION.--Lat 33°38'23", long 90°20'51", Hydrologic Unit 08030207, NW¼SW¼ sec.31, T.21 N., R.1 W., 0.1 mi (0.2 km) east of center of Schlater on south side of State Highway 442.
 Owner: Mrs. D. B. Jameson.
 AQUIFER.--Sand of Tallahatta Formation of Claiborne Group of middle Eocene age.
 WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 816 ft (249 m), cased to 816 ft (249 m).
 DATUM.--Land-surface datum is 132.05 ft (40.25 m) above mean sea level. Measuring point: Top of 1-in (2.54-cm) ell (since Feb. 10, 1976). 2.30 ft (0.70 m) above land-surface datum.
 PERIOD OF RECORD.--September 1919, September 1938 to October 1968, October 1975 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.0 ft (9.1 m) above land-surface datum, 1919; lowest measured, 5.62 ft (1.71 m) below land-surface datum, May 11, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	5.43	MAY 11	5.62

333151090085601. Local number, L136.
 LOCATION.--Lat 33°31'51", long 90°08'56", Hydrologic Unit 08030205, NE¼NW¼ sec.12, T.19 N., R.1 E., 2 mi (3.2 km) east of center of Greenwood on Grenada Blvd. east of State Highway 7.
 Owner: A. P. Haynes.
 AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.
 WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 6 in (15 cm), depth 800 ft (244 m), screened 760-800 ft (232-244 m).
 DATUM.--Land-surface datum is 131.30 ft (40.02 m) above mean sea level. Measuring point: Top of 1¼-in (3.18-cm) nipple (since Jan. 15, 1976), 1.00 ft (0.30 m) above land-surface datum.
 PERIOD OF RECORD.--October 1938 to October 1967, June 1969, October 1975 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.7 ft (11.8 m) above land-surface datum, July 4, 1942; lowest measured, 1.00 ft (0.30 m) above land-surface datum, June 15, 1976; Oct. 20, 1976; and Apr. 28, 1977.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	1.00	APR 28	1.00

333100090105801. Local number, L152.
 LOCATION.--Lat 33°31'00", long 90°10'58", Hydrologic Unit 08030206, NE¼NW¼ sec.15, T.19 N., R.1 E., 0.1 mi (0.2 km) southwest of center of Greenwood at Cotton Street and Johnson Street.
 Owner: City of Greenwood.
 AQUIFER.--Sand of Tallahatta Formation of Claiborne Group of middle Eocene age.
 WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 660 ft (201 m), reported screened 620-640 ft (189-195 m).
 DATUM.--Land-surface datum is 133.98 ft (40.84 m) above mean sea level. Measuring point: Top of ¼-in (1.3-cm) bushing in top of well, 2.80 ft (0.85 m) above land-surface datum.
 REMARKS.--Water levels affected by nearby pumping.
 PERIOD OF RECORD.--1938, March 1940 to February 1950, April 1954 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.9 ft (6.1 m) above land-surface datum, Aug. 5, 1944; lowest measured, 19.3 ft (5.9 m) below land-surface datum, June 27, 1948.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	8.36	APR 28	7.60

LINCOLN COUNTY

313504090261401. Local number, H10.
 LOCATION.--Lat 31°35'04", long 90°26'14", Hydrologic Unit 03180005, SW¼SE¼ sec.7, T.7 N., R.8 E., 0.5 mi (0.8 km) north of center of Brookhaven at Second Street and Enterprise Street.
 Owner: Brookhaven Creamery.
 AQUIFER.--Sand of Citronelle Formation of Pliocene age.
 WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 165 ft (50 m), cased to 115 ft (35 m).
 DATUM.--Land-surface datum is about 485 ft (148 m) above mean sea level. Measuring point: Air vent, 2.00 ft (0.61 m) above land-surface datum.
 REMARKS.--Substitute for well H9 which was destroyed in 1976.
 PERIOD OF RECORD.--1969, October 1975 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 63.42 ft (19.33 m) below land-surface datum, Oct. 8, 1976; lowest measured, 72 ft (22 m) below land-surface datum, January 1969.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
OCT 8	63.42

333845088275404. Local number, A14.

LOCATION.--Lat 33°38'45", long 88°27'54", Hydrologic Unit 03160101, SE¼NW¼ sec.30, T.16 S., R.18 W., 11 mi (18 km) northwest of center of Columbus on west side of U.S. Highway 45 at Columbus Air Base.

Owner: Columbus Air Base.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 456 ft (139 m), screened 426-456 ft (130-139 m).

DATUM.--Land-surface datum is about 188 ft (57 m) above mean sea level. Measuring point: Top of casing, 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--July 1973, 1975.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.16 ft (3.10 m) below land-surface datum, Jan. 28, 1975; lowest measured, 10.73 ft (3.27 m) below land-surface datum, July 24, 1973.

No measurement made in fiscal year 1977.

333306088255601. Local number, C29.

LOCATION.--Lat 33°33'06", long 88°25'56", Hydrologic Unit 03160101, SW¼SW¼ sec.28, T.17 S., R.18 W., 5 mi (8 km) north of center of Columbus on east side of U.S. Highway 45.

Owner: S. L. Thomason.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (10 cm), depth 200 ft (61 m).

DATUM.--Land-surface datum is about 205 ft (62 m) above mean sea level. Measuring point: Top of casing, 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--March 1959 to April 1965, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.00 ft (5.18 m) below land-surface datum, July 29, 1959; lowest measured, 32.47 ft (9.90 m) below land-surface datum, Oct. 14, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 14	32.47	MAY 4	31.27

333703088244801. Local number, C30.

LOCATION.--Lat 33°37'03", long 88°24'48", Hydrologic Unit 03160101, SE¼NW¼ sec.3, T.17 S., R.18 W., 10 mi (16 km) north of center of Columbus on east side of U.S. Highway 45.

Owner: T. S. Hodges.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (10 cm), depth 380 ft (116 m).

DATUM.--Land-surface datum is about 210 ft (64 m) above mean sea level. Measuring point: Top of casing, 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--March 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.53 ft (1.99 m) below land-surface datum, Mar. 13, 1959; lowest measured, 13.70 ft (4.18 m) below land-surface datum, Apr. 20, 1967.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
MAY 4	12.68

332838088393401. Local number, E5.

LOCATION.--Lat 33°28'38", long 88°39'34", Hydrologic Unit 03160104, NW¼NE¼ sec.31, T.19 N., R.16 E., 1.2 mi (1.9 km) southwest of center of Mayhew and 0.1 mi (0.2 km) southwest of intersection of U.S. Highways 45W and 82.

Owner: A. L. Echols.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 5 in (12.7 cm), depth 365 ft (111 m), cased to 40 ft (12 m).

DATUM.--Land-surface datum is about 226 ft (69 m) above mean sea level. Measuring point: Top of casing, 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--November 1957 to April 1962, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.45 ft (12.94 m) below land-surface datum, Apr. 29, 1958; lowest measured, 94.93 ft (28.93 m) below land-surface datum, Apr. 12, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
MAY 4	93.40

332845088364901. Local number, E7.

LOCATION.--Lat 33°28'45", long 88°36'49", Hydrologic Unit 03160104, SE¼SW¼ sec.27, T.19 N., R.16 E., 1.3 mi (2.1 km) southeast of center of Mayhew on south side of U.S. Highway 82.

Owner: C. A. Pilkinton.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 800 ft (244 m), cased to 740 ft (226 m).

DATUM.--Land-surface datum is 191.99 ft (58.52 m) above mean sea level. Measuring point: Top of discharge pipe (since Apr. 6, 1970), 3.00 ft (0.91 m) above land-surface datum.

PERIOD OF RECORD.--1940, March 1959 to November 1963, April 1966 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.9 ft (8.5 m) above land-surface datum, 1940; lowest measured, 18.90 ft (5.76 m) below land-surface datum, May 5, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO OCTOBER 1977

DATE	WATER LEVEL
MAY 5	18.90

332945088225601. Local number, G33.

LOCATION.--Lat 33°29'45", long 88°22'56", Hydrologic Unit 03160105, NE¼SE¼ sec.14, T.18 S., R.18 W., 2 mi (3.2 km) east of center of Columbus at Propst Park on U.S. Highway 82.

Owner: American Legion Post.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 4 in (10 cm), depth 480 ft (146 m).

DATUM.--Land-surface datum is about 170 ft (52 m) above mean sea level. Measuring point: Top of discharge pipe (since Apr. 6, 1970), 6.30 ft (1.92 m) above land-surface datum.

PERIOD OF RECORD.--April 1960 to April 1972, April 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.90 ft (3.93 m) above land-surface datum, Apr. 10, 1962; lowest measured, 7.25 ft (2.12 m) below land-surface datum, Oct. 14, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 14	7.25	MAY 4	5.48

332345088261201 (formerly 332343088262001). Local number, L12.

LOCATION.--Lat 33°23'45", long 88°26'12", Hydrologic Unit 03160106, NE¼SW¼ sec.29, T.18 N., R.18 E., 7 mi (11 km) south of center of Columbus and 2 mi (3.2 km) west of Tombigbee River.

Owner: Lowndes County Board of Supervisors.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 500 ft (152 m), cased to 400 ft (122 m).

DATUM.--Land-surface datum is about 160 ft (49 m) above mean sea level. Measuring point: Top of casing, 2.70 ft (0.82 m) above land-surface datum.

PERIOD OF RECORD.--June 1940, March 1960 to April 1966, May 1968 to April 1973, May 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.5 ft (5.0 m) above land-surface datum, June 10, 1940; lowest measured, 12.81 ft (3.90 m) below land-surface datum, Apr. 13, 1976.

Well found to be plugged in 1976. Measurement discontinued.

332517088235601. Local number, L22.

LOCATION.--Lat 33°25'17", long 88°23'56", Hydrologic Unit 03160106, SE¼SE¼ sec.10, T.19 S., R.18 W., 5 mi (8 km) southeast of center of Columbus near east bank of Tombigbee River.

Owner: Hooker Chemical Company.

AQUIFER.--Sand of Coker Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 1,190 ft (363 m).

DATUM.--Land-surface datum is about 178 ft (54 m) above mean sea level. Measuring point: Top of 1-in (2.5-cm) bushing (since Apr. 13, 1976), 1.80 ft (0.55 m) above land-surface datum.

PERIOD OF RECORD.--May 1960 to October 1965, April 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.9 ft (13.7 m) above land-surface datum, Apr. 12, 1961; lowest measured, 20.88 ft (6.36 m) below land-surface datum, May 5, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 14	18.71	MAY 5	20.88

322413090101701. Local number, V13.

LOCATION.--Lat 32°24'13", long 90°10'17", Hydrologic Unit 03180002, NE¼SE¼ sec.35, T.7 N., R.1 E., 0.1 mi (1.6 km) west of center of Tougaloo at Tougaloo College.

Owner: Tougaloo College.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 800 ft (244 m).

DATUM.--Land-surface datum is about 380 ft (116 m) above mean sea level. Measuring point: Middle of tee, 3.65 ft (1.11 m) above land-surface datum.

PERIOD OF RECORD.--August 1955, November 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 163.43 ft (49.81 m) below land-surface datum,

Aug. 18, 1955; lowest measured, 190.15 ft (57.96 m) below land-surface datum, Oct. 8, 1969.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 25	183.62

322627090062401. Local number, W5.

LOCATION.--Lat 32°26'27", long 90°06'24", Hydrologic Unit 03180002, NE¼NE¼ sec.20, T.7 N., R.2 E., 1 mi (1.6 km) southeast of center of Madison near Bruce Campbell Airport.

Owner: Willard F. Bond Home (formerly Old Men's Home).

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 500 ft (152 m).

DATUM.--Land-surface datum is about 320 ft (98 m) above mean sea level. Measuring point: Top of concrete base 0.50 ft (0.15 m) or hole in plate on well head (since Apr. 24, 1961) at land-surface datum.

PERIOD OF RECORD.--January 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 112.88 ft (34.41 m) below land-surface datum, Apr. 12, 1957; lowest measured, 141.70 ft (43.19 m) below land-surface datum, Jul. 27, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	135.89	APR 25	134.56	JUL 27	141.70

MARSHALL COUNTY

344618089272801. Local number, P72.

LOCATION.--Lat 34°46'18", long 89°27'24", Hydrologic Unit 08030204, NW¼NW¼ sec.6, T.4 S., R.2 W., at Holly Springs on West Boundry Street.

Owner: Town of Holly Springs.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 718 ft (219 m).

DATUM.--Land-surface datum is about 510 ft (155 m) above mean sea level. Measuring point: Top of 4 in (10 cm) casing, .50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 128.34 (39.12 m) below land-surface datum, Apr. 12, 1977; lowest measured, 128.63 (39.21 m) below land-surface datum, Jun. 30, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 12	128.34	JUN 30	128.63

MONROE COUNTY

335917088304401. Local number, C3.

LOCATION.--Lat 33°59'17", long 88°30'44", Hydrologic Unit 03160101, NE¼SE¼ sec.26, T.12 S., R.19 W., 0.3 mi (0.5 km) northwest of center of Amory at 108th Street and 5th Ave. at waterworks.

Owner: Town of Amory.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth reported 360 ft (110 m).

DATUM.--Land-surface datum is about 240 ft (73 m) above mean sea level. Measuring point: Top of ell on well head, 2.00 ft (0.61 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--October 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.40 ft (6.22 m) below land-surface datum, Apr. 26, 1973; lowest measured, 31.97 ft (9.74 m) below land-surface datum, Apr. 8, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	23.43	APR 14	24.10

334836088390201. Local number, 03.

LOCATION.--Lat 33°48'36", long 88°39'02", Hydrologic Unit 03160101, NE¼NE¼ sec.3, T.15 S., R.6 E., 2 mi (3.2 km) northeast of center of Prairie.

Owner: John Judsen.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 12 in (30 cm), depth 451 ft (137 m).

DATUM.--Land-surface datum is about 315 ft (96 m) above mean sea level. Measuring point: Top of plate on well head, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--1942, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 114 ft (35 m) below land-surface datum, 1942; lowest measured, 191.52 ft (58.38 m) below land-surface datum, Apr. 12, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 14	184.42

334359088391601. Local number, 016.

LOCATION.--Lat 33°43'59", long 88°39'16", Hydrologic Unit 03160104, SW¼NE¼ sec.34, T.15 S., R.6E., at Muldon on State Highway 25.

Owner: M and O Railroad

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm) depth 620 ft (189 m).

DATUM.--Land-surface datum is about 300 ft (91 m) above mean sea level. Measuring point: Top of 6 in (15 cm) casing, 1.7 ft (0.52 m) above land-surface datum.

PERIOD OF RECORD.--1901, October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60 ft (18.29 m) below land-surface datum, 1901; lowest measured, 152.10 ft (46.36 m) below land-surface datum, May 4, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
MAY 4	152.10

334836088333301. Local number, P22.

LOCATION.--Lat 33°48'36", long 88°33'33", Hydrologic Unit 03160101, NW¼NW¼ sec.3, T.15 S., R.7 E., 1 mi (1.6 km) southwest of center of Aberdeen on State Highway 25.

Owner: Monroe Manufacturing Company.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 216 ft (66 m).

DATUM.--Land-surface datum is about 218 ft (66 m) above mean sea level. Measuring point: Top of recorder house floor, 2.60 ft (0.79 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35.87 ft (10.93 m) below land-surface datum, Oct. 16, 1962; lowest measured, 112.30 ft (34.23 m) below land-surface datum, Apr. 8, 1969.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 14	89.73	APR 14	81.60

334147088261501. Local number, Q18.

LOCATION.--Lat 33°41'47", long 88°26'15", Hydrologic Unit 03160103, SE¼SE¼ sec.5, T.16 S., R.18 W., 3 mi (5 km) south of center of Hamilton on east side of U.S. Highway 45E.

Owner: T. G. Owen.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 10 in (25 cm), depth 390 ft (119 m).

DATUM.--Land-surface datum is about 216 ft (66 m) above mean sea level. Measuring point: ¼-in (1.27-cm) plug in top of casing, 1.20 ft (0.37 m) above land-surface datum.

PERIOD OF RECORD.--May 1964, July 1973, May 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26 ft (7.9 m) below land-surface datum, May 1964; lowest measured, 52.74 ft (16.08 m) below land-surface datum, Oct. 14, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 14	52.74	MAY 4	52.23

334347088270901. Local number, Q25.

LOCATION.--Lat 33°43'47", long 88°27'09", Hydrologic Unit 03160101, NW¼SW¼ sec.29, T.15 S., R.18 W., 1 mi (1.6 km) southwest of center of Hamilton.

Owner: Kerr-McGee Chemical Corp. (formerly American Potash Chemical Co.).

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 242 ft (74 m), cased to 242 ft (74 m).

DATUM.--Land-surface datum is about 210 ft (64 m) above mean sea level. Measuring point: Top of casing, 2.00 ft (0.61 m) above land-surface datum.

PERIOD OF RECORD.--August 1957, October 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.00 ft (3.96 m) above land-surface datum, Aug. 28, 1957; lowest measured, 87.40 ft (26.64 m) below land-surface datum, Oct. 14, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 14	87.40	MAY 4	85.43

Measurement discontinued.

334531088271701. Local number, Q76. (Formerly Q3).

LOCATION.--Lat 33°45'31", long 88°27'17", Hydrologic Unit 03160101, NW¼SW¼ sec.17, T.15 S., R.18 W., 1.5 mi (2.4 km) northwest of center of Hamilton on U.S. Highway 45E.

Owner: L. M. Tucker.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 220 ft (67 m).

DATUM.--Land-surface datum is about 220 ft (67 m) above mean sea level. Measuring point: Hole in side of ell at top of casing (since Apr. 12, 1976), 2.50 ft (0.76 m) above land-surface datum.

PERIOD OF RECORD.--March 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.41 ft (0.12 m) above land-surface datum, Mar. 13, 1959; lowest measured, 15.10 ft (4.57 m) below land-surface datum, Apr. 6, 1970.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 14	15.92	MAY 4	11.46

MONTGOMERY COUNTY

332916089432002. Local number, F2.

LOCATION.--Lat 33°29'16", long 89°43'20", Hydrologic Unit 08060201, NW¼NE¼ sec.25, T.19 N., R.5 E., 0.5 mi (0.8 km) northeast of center of Winona at waterworks.

Owner: Town of Winona.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 308 ft (94 m), screened 248-308 ft (76-94 m).

DATUM.--Land-surface datum is 373.14 ft (113.73 m) above mean sea level. Measuring point: Top of recorder house floor, 1.70 ft (0.52 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--September 1939, February 1958 to June 1972, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 94.70 ft (28.86 m) below land-surface datum, Apr. 19, 1959; lowest measured, 120.67 ft (36.78 m) below land-surface datum, Aug. 10, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	116.10	APR 28	113.54	AUG 10	120.67

NOXUBEE COUNTY

330645088332801 (formerly 330650088341001). Local number, H115.

LOCATION.--Lat 33°06'50", long 88°34'10", Hydrologic Unit 03160108, NW¼NW¼ sec.33, T.15 N., R.17 E., 1 mi (1.6 km) northwest of center of Macon on Pearl Street at railroad.

Owner: Borden Food Products Company.

AQUIFER.--Sand and gravel of Coker Formation of the Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled industrial artesian well, diameter 10 in (25 cm), depth 1,807 ft (551 m), cased to 1,767 ft (539 m).

DATUM.--Land-surface datum is about 185 ft (56 m) above mean sea level. Measuring point: Top of ¼-in (0.64-cm) gate valve on discharge pipe, 3.00 ft (0.91 m) above land-surface datum.

PERIOD OF RECORD.--February 1955 to October 1956, October 1958 to April 1963, April 1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.2 ft (10.1 m) above land-surface datum, Feb. 3, 1955; lowest measured, 3.8 ft (1.16 m) above land-surface datum, May 5, 1977.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
MAY 5	3.8

OKTIBBEHA COUNTY

332645088472001. Local number, G35.

LOCATION.--Lat 33°26'45", long 88°47'20", Hydrologic Unit 03160104, SW¼NW¼ sec.13, T.18 N., R.14 E., 2.5 mi (4.0 km) south of center of State College near Catalpa Creek.

Owner: Mississippi State University.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled industrial artesian well, diameter 10 in (25 cm), depth 1,378 ft (420 m), cased to 1,293 ft (394 m).

DATUM.--Land-surface datum is about 310 ft (94 m) above mean sea level. Measuring point: Top of air vent in pump case, 1.50 ft (0.46 m) above land-surface datum.

PERIOD OF RECORD.--October 1970, March 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 131.00 ft (39.93 m) below land-surface datum, Oct. 16, 1970, March 1972; lowest measured, 152.90 ft (46.60 m) below land-surface datum, Aug. 22, 1973.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 14	141.90	MAY 4	139.00

332710088471701. Local number, G102.

LOCATION.--Lat 33°27'10", long 88°47'17", Hydrologic Unit 03160104, NE¼SW¼ sec.1, T.18 N., R.14 E., 0.2 mi (0.3 km) east of center of State College at Walker Engineering Bldg.

Owner: Mississippi State University.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 1,008 ft (307 m), cased to 968 ft (295 m).

DATUM.--Land-surface datum is 380.95 ft (116.11 m) above mean sea level. Measuring point: Top of casing, 2.33 ft (0.71 m) above land-surface datum.

PERIOD OF RECORD.--June 1940 to July 1948, January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 176.14 ft (53.69 m) below land-surface datum, Apr. 3, 1941; lowest measured, 216.10 ft (65.87 m) below land-surface datum, Oct. 14, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 14	216.10	MAY 4	215.09

310833090272801. Local number, G2.

LOCATION.--Lat 31°08'33", long 90°27'28", Hydrologic Unit 08070205, NW¼NW¼ sec.13, T.2 N., R.7 E., 0.1 mi (0.2 km) west of center of Magnolia and west of City Hall.

Owner: Town of Magnolia.

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 432 ft (132 m).

DATUM.--Land-surface datum is about 300 ft (91 m) above mean sea level. Measuring point: Hole in east side of pump base, 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--1967, February 1970, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4 ft (1.2 m) below land-surface datum, 1967; lowest measured, 18.45 ft (5.62 m) below land-surface datum, Feb. 17, 1970.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 4	11.85

PRENTISS COUNTY

343921088334101. Local number, F2.

LOCATION.--Lat 34°39'21", long 88°33'41", Hydrologic Unit 08010207, SE¼SE¼ sec.9, T.5 S., R.7 E., 0.1 mi (0.2 km) north of center of Booneville at Court Street and Main Street.

Owner: Town of Booneville.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16 in (41 cm), depth 491 ft (150 m), cased to 406 ft (124 m).

DATUM.--Land-surface datum is about 525 ft (160 m) above mean sea level. Measuring point: Air vent on south side of pump base, 3.00 ft (0.91 m) above land-surface datum.

PERIOD OF RECORD.--July 1950, May 1972, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 183 ft (56 m) below land-surface datum, July 1950; lowest measured, 192.85 ft (58.78 m) below land-surface datum, Apr. 7, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	189.85	APR 13	192.40

343142088384401. Local number, J84.

LOCATION.--Lat 34°31'42", long 88°38'44", Hydrologic Unit 03160101, SE¼NE¼ sec.26, T.6 S., R.6 E., 1.7 mi (2.7 km) north of center of Baldwyn on west side of U.S. Highway 45.

Owner: Baldwyn Implement Co.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (10 cm), depth 440 ft (134 m), cased to 158 ft (48 m).

DATUM.--Land-surface datum is about 345 ft (105 m) above mean sea level. Measuring point: Top of air vent in pump base, 1.50 ft (0.46 m) above land-surface datum.

PERIOD OF RECORD.--July 1973, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.50 ft (8.99 m) below land-surface datum, July 25, 1973; lowest measured, 37.87 ft (11.54 m) below land-surface datum, Oct. 15, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	37.87	APR 13	36.40

RANKIN COUNTY

321846089475101. Local number, J110.
 LOCATION.--Lat 32°18'46", long 89°47'51", Hydrologic Unit 03180002, SW¼SW¼ sec.33, T.6 N., R.5 E., 0.2 mi (0.3 km) east of center of Pelahatchie at Fire Station.
 Owner: Town of Pelahatchie.
 AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.
 WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 563 ft (172 m), screened 503-563 ft (153-172 m).
 DATUM.--Land-surface datum is about 365 ft (111 m) above mean sea level. Measuring point: Hole in cover plate, at land-surface datum.
 REMARKS.--Water levels affected by nearby pumping.
 PERIOD OF RECORD.--July 1955 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 101.62 ft (30.97 m) below land-surface datum, Apr. 9, 1956; lowest measured, 131.96 ft (40.22 m) below land-surface datum, Jan. 22, 1970.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 13	116.13	APR 26	116.91

SCOTT COUNTY

322148089283201. Local number, L1.
 LOCATION.--Lat 32°21'48", long 89°28'32", Hydrologic Unit 03180001, SE¼NE¼ sec.16, T.6 N., R.8 E., 0.1 mi (0.2 km) west of center of Forest at Wade Street and Walker Street.
 Owner: Town of Forest.
 AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.
 WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 360 ft (110 m), cased to 280 ft (85 m).
 DATUM.--Land-surface datum is about 480 ft (146 m) above mean sea level. Measuring point: Top of recorder house floor, 3.00 ft (0.91 m) above land-surface datum.
 REMARKS.--Water levels affected by nearby pumping.
 PERIOD OF RECORD.--August 1957 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 103.3 ft (31.5 m) below land-surface datum, Apr. 26, 1977; lowest measured, 145.4 ft (44.3 m) below land-surface datum, Apr. 28, 1967.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 13	111.35	APR 26	103.30

SHARKEY COUNTY

325839090501601. Local number, C43.
 LOCATION.--Lat 32°58'39", long 90°50'16", Hydrologic Unit 08030209, sec.17, T.13 N., R.6 W., 0.6 mi (1.0 km) northwest of center of Anguilla on west side of Deer Creek.
 Owner: M. C. Ewing.
 AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.
 WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (10 cm), depth 1,830 ft (558 m), cased to 1,790 ft (546 m).
 DATUM.--Land-surface datum is about 106 ft (32 m) above mean sea level. Measuring point: Top of tee at well head, 2.00 ft (0.61 m) or top of faucet at road, 1.00 ft (0.30 m) above land-surface datum.
 PERIOD OF RECORD.--October 1971 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 100.0 ft (30.5 m) above land-surface datum, July 23, 1973; lowest measured, 91.0 ft (27.7 m) above land-surface datum, May 22, 1975.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 3	93.5	MAY 6	93.0

324749090553101. Local number, G44.

LOCATION.--Lat 32°47'49", long 90°55'31", Hydrologic Unit 08030209, NE¼NW¼ sec.16, T.11 N., R.7 W., 0.3 mi (0.5 km) south of center of Cary on east side of U.S. Highway 61.

Owner: Cary High School.

AQUIFER.--Sparta Sand of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 1,149 ft (350 m).

DATUM.--Land-surface datum is about 102 ft (31 m) above mean sea level. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--February 1939, September 1960, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.9 ft (7.3 m) above land-surface datum, Feb. 10, 1939; lowest measured, 18.00 ft (5.49 m) below land-surface datum, May 6, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
MAY 6	18.00

SUNFLOWER COUNTY

334017090301801. Local number, H18.

LOCATION.--Lat 33°40'17", long 90°30'18", Hydrologic Unit 08030207, SE¼NE¼ sec.21, T.21 N., R.3 W., 1.5 mi (2.4 km) northeast of center of Doddsville on county road.

Owner: B. D. McCarty.

AQUIFER.--Sand of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (10 cm), depth 1,370 ft (418 m).

DATUM.--Land-surface datum is about 125 ft (38 m) above mean sea level. Measuring point: Top of faucet at well, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--April 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.0 ft (4.6 m) above land-surface datum, Apr. 14, 1971; lowest measured, 6.0 ft (1.83 m) above land-surface datum, Oct. 20, 1976.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	6.0	MAY 11	6.42

332505090293001. Local number, R21.

LOCATION.--Lat 33°25'05", long 90°29'30", Hydrologic Unit 08030207, NW¼NE¼ sec.22, T.18 N., R.3 W., 2.5 mi (4.0 km) southeast of center of Moorehead on county road.

Owner: Edgar Hobbs.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 3 in (7.6 cm), depth 1,547 ft (472 m).

DATUM.--Land-surface datum is about 110 ft (34 m) above mean sea level. Measuring point: Top of faucet at well, 2.00 ft (0.61 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.5 ft (12.6 m) above land-surface datum, Feb. 10, 1970; lowest measured, 22.0 ft (6.7 m) above land-surface datum, June 5, 1974.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
MAY 11	27.0

TATE COUNTY

343723089592801. Local number, F22.

LOCATION.--Lat 34°37'23", long 89°59'28", Hydrologic Unit 08030204, SE¼SE¼ sec.25, T.5 S., R.8 W., 1.2 mi (1.9 km) southeast of center of Senatobia at stand tank on Browns Ferry Rd.

Owner: Town of Senatobia.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 5 in (12.7 cm), depth 1,085 ft (331 m), cased to 1,065 ft (325 m).

DATUM.--Land-surface datum is about 340 ft (104 m) above mean sea level. Measuring point: Top of casing, 1.30 ft (0.40 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 135.18 ft (41.20 m) below land-surface datum, May 23, 1973; lowest measured, 142.30 ft (43.37 m) below land-surface datum, May 5, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	141.32	MAY 12	141.47

TATE COUNTY--Continued

343811089580401. Local number, G37a.

LOCATION.--Lat 34°38'11", long 89°58'04", Hydrologic Unit 08030204, NW¼SW¼ sec.20, T.5 S., R.7 W., 1 mi (1.6 km) north of center of Senatobia at Chromcraft Plant.

Owner: Town of Senatobia.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 1,180 ft (360 m), cased to 1,160 ft (354 m).

DATUM.--Land-surface datum is about 250 ft (76 m) above mean sea level. Measuring point: Top of casing, 2.20 ft (0.67 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 52.84 ft (16.11 m) below land-surface datum, June 6, 1973; lowest measured, 92.20 ft (28.10 m) below land-surface datum, Jan. 26, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	76.72	MAY 12	77.41

TIPPAH COUNTY

345658088534101. Local number, B8.

LOCATION.--Lat 34°56'58", long 88°53'41", Hydrologic Unit 08010207, SE¼ sec.32, T.1 S., R.4 E., 0.2 mi (0.3 km) north of center of Walnut at swimming pool and elevated tank.

Owner: Town of Walnut.

AQUIFER.--Sand of McNairy Sand Member of Ripley Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 147 ft (45 m), cased to 137 ft (42 m).

DATUM.--Land-surface datum is about 470 ft (143 m) above mean sea level. Measuring point: Top of concrete base, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--June 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.70 ft (18.81 m) below land-surface datum, Feb. 24, 1975; lowest measured, 66.70 ft (20.33 m) below land-surface datum, July 18, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	64.03	MAR 15	62.30	APR 12	62.56	JULY 4	63.56

TISHOMINGO COUNTY

345802088144901. Local number, B18.

LOCATION.--Lat 34°58'02", long 88°14'49", Hydrologic Unit 06030005, SW¼NE¼ sec.28, T.1 S., R.10 E., 2.8 mi (4.5 km) north of center of Cross Roads on west side of State Highway 25.

Owner: Yellow Creek Port.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 378 ft (115 m), cased to 147 ft (45 m).

DATUM.--Land-surface datum is about 560 ft (171 m) above mean sea level. Measuring point: Top of casing, 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--October 1973, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 99 ft (30 m) below land-surface datum, Oct. 18, 1973; lowest measured, 100.60 ft (30.66 m) below land-surface datum, Oct. 15, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	100.60	APR 13	100.08

345603088170601. Local number, B19.

LOCATION.--Lat 34°56'03", long 88°17'06", Hydrologic Unit 06030005, NE¼SW¼ sec.6, T.2 S., R.10 E., 2 mi (3.2 km) northwest of center of Cross Roads.

Owner: Yellow Creek Port.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 266 ft (81 m), cased to 90 ft (27 m).

DATUM.--Land-surface datum is about 467 ft (142 m) above mean sea level. Measuring point: Top of casing, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--September 1973, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.24 ft (4.04 m) below land-surface datum, Apr. 13, 1977; lowest measured, 15 ft (5 m) below land-surface datum, Sept. 29, 1973.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	13.90	APR 13	13.24

345703088145601. Local number, B21.

LOCATION.--Lat 34°57'03", long 88°14'56", Hydrologic Unit 06030005, SW¼NE¼ sec.33, T.1 S., R.10 E., 1.5 mi (2.4 km) north of center of Cross Roads on State Highway 25.

Owner: Yellow Creek Port.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 349 ft (106 m), cased to 76 ft (23 m).

DATUM.--Land-surface datum is about 455 ft (139 m) above mean sea level. Measuring point: Top of casing, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--October 1973, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.02 ft (0.01 m) above land-surface datum, Oct. 21, 1975; lowest measured, 0.91 ft (0.28 m) below land-surface datum, Oct. 15, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	.91	APR 13	.18

344834088111601. Local number, F1.

LOCATION.--Lat 34°48'34", long 88°11'16", Hydrologic Unit 06030005, NW¼NW¼ sec.19, T.3 S., R.11 E., 0.1 mi (0.2 km) east of center of Iuka.

Owner: H. M. Biggs.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 113 ft (34 m), cased to 105 ft (32 m).

DATUM.--Land-surface datum is about 545 ft (166 m) above mean sea level. Measuring point: Top of casing, 2.00 ft (0.61 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--1956, April 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.2 ft (9.5 m) below land-surface datum, Apr. 1, 1974; lowest measured, 65.1 ft (19.8 m) below land-surface datum, Jan. 18, 1967.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	35.4	APR 13	35.3	AUG 9	36.64

343936088161901. Local number, J10.

LOCATION.--Lat 34°39'36", long 88°16'19", Hydrologic Unit 03160101, NW¼SE¼ sec.8, T.5 S., R.10 E., 0.2 mi (0.3 km) south of center of Paden at Murphy Street and Lennon Ave.

Owner: Irwin Schwabe Company (formerly Town of Paden).

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 181 ft (55 m).

DATUM.--Land-surface datum is about 420 ft (128 m) above mean sea level. Measuring point: Top of 3/4-in (1.90-cm) nipple at well head (since Mar. 17, 1976), 2.80 ft (0.85 m), or top of cap 1.7 ft (0.51 m) above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--July 1971 to February 1972, March 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.20 ft (5.85 m) above land-surface datum, Mar. 13, 1974; lowest measured, 3.51 ft (1.07 m) above land-surface datum, Feb. 16, 1977.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	6.15	FEB 16	3.51	APR 13	4.65

TUNICA COUNTY

343117090253001. Local number, J101.

LOCATION.--Lat 34°31'17", long 90°25'30", Hydrologic Unit 08030204, NW¼NW¼ sec.36, T.6 S., R.12 W., 1.2 mi (1.9 km) east of center of Dundee on east side of U.S. Highway 61.

Owner: L. D. Powell.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 3-2 in (7.6-5.1 cm), depth 1,796 ft (547 m), screened 1,766-1,796 ft (538-547 m).

DATUM.--Land-surface datum is 176 ft (54 m) above mean sea level. Measuring point: Top of 3-in (7.6-cm) coupling, at land-surface datum.

PERIOD OF RECORD.--July 1954 to April 1967, June 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.3 ft (9.2 m) above land-surface datum, July 7, 1954; lowest measured, 4.0 ft (1.22 m) above land-surface datum, Oct. 20, 1976.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	4.0	MAY 12	4.05

WARREN COUNTY

322310090530202. Local number, J4.

LOCATION.--Lat 32°23'10", long 90°53'02", Hydrologic Unit 08030208, SW¼SW¼ sec.2, T.16 N., R.3 E., 2.5 mi (4.0 km) northwest of center of Vicksburg on north side of Industrial Rd.

Owner: City of Vicksburg.

AQUIFER.--Mississippi River valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 10 in (25 cm), depth 170 ft (52 m), cased to 150 ft (46 m).

DATUM.--Land-surface datum is about 90 ft (27 m) above mean sea level. Measuring point: Bottom of recorder house floor, 17.26 ft (5.26 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.60 ft (0.18 m) below land-surface datum, Apr. 17, 1975; lowest measured, 46.70 ft (14.23 m) below land-surface datum, Aug. 21, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 7	38.14	JAN 24	38.77	MAY 6	35.44

WASHINGTON COUNTY

332432091031501. Local number, D16.

LOCATION.--Lat 33°24'32", long 91°03'15", Hydrologic Unit 08030209, Irregular sec.4, T.18 N., R.8 W., 0.2 mi (0.3 km) northeast of center of Greenville at Alexander Street and Illinois Central Railroad.

Owner: Itzig Company.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 517 ft (158 m).

DATUM.--Land-surface datum is about 125 ft (38 m) above mean sea level. Measuring point: Top of casing, 3.00 ft (0.91 m) above land-surface datum.

PERIOD OF RECORD.--November 1960, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 100.93 ft (30.76 m) below land-surface datum, Nov. 17, 1960; lowest measured, 106.26 ft (32.39 m) below land-surface datum, Mar. 31, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
MAY 11	102.97

332228091045402. Local number, D33b.

LOCATION.--Lat 33°22'28", long 91°04'54", Hydrologic Unit 08030209, Irregular sec.10, T.18 N., R.9 W., 4 mi (6.4 km) southwest of center of Greenville in industrial park on Theobald Street.

Owner: U.S. Geological Survey.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 1,994 ft (608 m), cased to 1,984 ft (605 m).

DATUM.--Land-surface datum is 125.07 ft (38.12 m) above mean sea level. Measuring point: Top of valve on 4-in (10-cm) cap on well, 2.62 ft (0.80 m) above land-surface datum.

PERIOD OF RECORD.--June 1969 to April 1972, June 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.82 ft (15.79 m) above land-surface datum, Apr. 14, 1970; lowest measured, 34.62 ft (10.55 m) above land-surface datum, June 5, 1974.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
MAY 11	40.92

332007090525401. Local number, H14.

LOCATION.--Lat 33°20'07", long 90°52'54", Hydrologic Unit 08030209, NW¼SW¼ sec.12, T.17 N., R.7 W., 5 mi (8 km) south of center of Leland and east of Deer Creek.

Owner: Louis Munn.

AQUIFER.--Mississippi River valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 10 in (25 cm), depth 102 ft (31 m), cased to 72 ft (22 m).

DATUM.--Land-surface datum is about 115 ft (35 m) above mean sea level. Measuring point: Top of casing, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--March 1956 to October 1963, January 1965 to October 1966, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.86 ft (3.61 m) below land-surface datum, Oct. 14, 1958; lowest measured, 23.80 ft (7.25 m) below land-surface datum, Oct. 21, 1966.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 3	21.98	MAY 11	21.56

331808090532901. Local number, H101.

LOCATION.--Lat 33°18'08", long 90°53'29", Hydrologic Unit 08030209, SW¼SE¼ sec.23, T.17 N., R.7 W., 0.1 mi (0.2 km) southwest of center of Wilmot.

Owner: J. A. Aldridge.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (10 cm), depth 1,903 ft (580 m), cased to 1,895 ft (578 m).

DATUM.--Land-surface datum is about 120 ft (37 m) above mean sea level. Measuring point: Top of 4-in (10-cm) tee, 0.80 ft (0.24 m) above land-surface datum.

PERIOD OF RECORD.--February 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 53.5 ft (16.3 m) above land-surface datum, Dec. 20, 1954; lowest measured, 32.0 ft (9.8 m) above land-surface datum, Apr. 28, 1976.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
NOV 13	37.0

331120090413001. Local number, M44.

LOCATION.--Lat 33°11'20", long 90°41'30", Hydrologic Unit 08030207, NW¼SW¼ sec.35, T.16 N., R.5 W., 11 mi (18 km) east of center of Hollandale on State Highway 12 at Sunflower River.

Owner: Dave Jones.

AQUIFER.--Mississippi River valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16 in (41 cm), depth reported 110 ft (34 m).

DATUM.--Land-surface datum is about 105 ft (32 m) above mean sea level. Measuring point: Top of recorder house floor, 1.20 ft (0.37 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.28 ft (4.96 m) below land-surface datum, Apr. 25, 1975; lowest measured, 25.46 ft (7.76 m) below land-surface datum, Sept. 5, 1969.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 3	22.07	DEC 7	21.80	JAN 24	21.07	MAY 6	21.16	AUG 18	23.95

330227090592001. Local number, S4.

LOCATION.--Lat 33°02'27", long 90°59'20", Hydrologic Unit 08030209, SW¼SE¼ sec.28, T.14 N., R.8 W., 1.2 mi (1.9 km) northeast of center of Hampton on south side of State Highway 436.

Owner: Agricultural Chemical Corp.

AQUIFER.--Mississippi River valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 12 in (30 cm), depth 105 ft (32 m), screened 80-105 ft (24-32 m).

DATUM.--Land-surface datum is 111.24 ft (33.91 m) above mean sea level. Measuring point: Top of recorder house floor, 1.95 ft (0.59 m) above land-surface datum.

PERIOD OF RECORD.--January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.8 ft (1.8 m) below land-surface datum, May 13, 1958; lowest measured, 19.45 ft (5.93 m) below land-surface datum, Aug. 21, 1954.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	13.4	13.3	---	---	---	---	---	---	15.8	18.5	17.8	15.3
10	---	13.7	---	---	---	---	---	13.4	17.8	17.7	18.2	14.7
15	---	---	---	---	---	---	---	14.5	17.0	18.0	18.8	14.5
20	---	---	---	---	---	---	---	12.1	17.0	18.0	16.8	13.6
25	---	---	---	---	---	---	---	14.4	17.4	16.2	16.1	13.6
EOM	---	---	---	---	---	---	---	15.0	17.5	17.2	16.5	13.7

WAYNE COUNTY

314115088392301. Local number, N151.

LOCATION.--Lat 31°41'15", long 88°39'23", Hydrologic Unit 03170002, NE¼SE¼ sec.2, T.8 N., R.7 W., 1 mi (1.6 km) northwest of center of Waynesboro at Turner Street and Gulf Mobile and Ohio Railroad.

Owner: Town of Waynesboro.

AQUIFER.--Sand of Vicksburg Group of Oligocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18-8 in (46-20 cm), depth 82 ft (25 m), cased to 32 ft (10 m).

DATUM.--Land-surface datum is about 180 ft (55 m) above mean sea level. Measuring point: 1-in (2.5-cm) hole in breather pipe inside recorder shelter, 2.30 ft (0.70 m) above land-surface datum.

PERIOD OF RECORD.--April 1973, February 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.72 ft (8.45 m) below land-surface datum, Mar. 23, 1976; lowest measured, 33.10 ft (10.09 m) below land-surface datum, June 4, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 30	31.88	MAR 1	31.00	APR 6	29.04	APR 21	29.93	MAY 17	30.80	JUN 27	32.45
AUG 10	32.79	SEP 14	33.03								

WILKINSON COUNTY

310415091042201 (formerly 310413091042101). Local number, T101.

LOCATION.--Lat 31°04'13", long 91°04'21", Hydrologic Unit 08070202, SE¼NW¼ sec.2, T.1 N., R.1 E., 1 mi (1.6 km) southwest of center of Centreville on State Highway 33.

Owner: J. P. Kennedy. Old Camp Van Dorn.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in (41 cm), depth 222 ft (68 m), screened 162-222 ft (49-68 m), cased to 162 ft (49 m).

DATUM.--Land-surface datum is 353.5 ft (107.7 m) above mean sea level. Measuring point: Top of hole in cover plate, 1.20 ft (0.37 m) above land-surface datum.

PERIOD OF RECORD.--May 1942, March 1954 to October 1963, March 1968, March 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.0 ft (13.1 m) below land-surface datum, May 5, 1942; lowest measured, 52.22 ft (15.92 m) below land-surface datum, Dec. 10, 1954.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	WATER LEVEL
APR 5	49.34

310415091042202 (formerly 310413091042102). Local number, T102.

LOCATION.--Lat 31°04'13", long 91°04'21", Hydrologic Unit 08070202, SE¼NW¼ sec.2, T.1 N., R.1 E., 1 mi (1.6 km) southwest of center of Centreville on State Highway 33.

Owner: J. P. Kennedy. Old Camp Van Dorn.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 415 ft (126 m), screened 355-415 ft (108-126 m), cased to 355 ft (108 m).

DATUM.--Land-surface datum is 355.1 ft (108.2 m) above mean sea level. Measuring point: Top of hole in cover plate, 1.48 ft (0.45 m) above land-surface datum.

PERIOD OF RECORD.--May 1942, March 1954 to October 1963, March 1968, March 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 128.4 ft (39.1 m) below land-surface datum, May 5, 1942; lowest measured, 163.91 ft (49.96 m) below land-surface datum, Apr. 5, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 5	163.91

310415091042203 (formerly 310413091042103). Local number, T103.

LOCATION.--Lat 31°04'13", long 91°04'21", Hydrologic Unit 08070202, SE¼NW¼ sec.2, T.1 N., R.1 E., 1 mi (1.6 km) southwest of center of Centreville on State Highway 33.

Owner: J. P. Kennedy. Old Camp Van Dorn.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 1,685 ft (514 m), screened 1,625-1,685 ft (495-514 m), cased to 1,625 ft (495 m).

DATUM.--Land-surface datum is 356.4 ft (108.6 m) above mean sea level. Measuring point: Top of hole in cover plate, 1.40 ft (0.43 m) above land-surface datum.

PERIOD OF RECORD.--May 1942, February 1954 to October 1963, March 1968, March 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 238.1 ft (72.6 m) below land-surface datum, May 13, 1942; lowest measured, 272.98 ft (83.20 m) below land-surface datum, Apr. 5, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
APR 5	272.98

YAZOO COUNTY

325905090192202. Local number, B102.

LOCATION.--Lat 32°59'05", long 90°19'22", Hydrologic Unit 08030206, SE¼SW¼ sec.8, T.13 N., R.1 W., at Eden across street from post office.

Owner: Town of Eden.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in (7.6 cm), depth 800 ft (244 m), cased to 770 ft (235 m).

DATUM.--Land-surface datum is 112.3 ft (34.2 m) above mean sea level. Measuring point: Bottom edge of hole in north side of casing, 5.30 ft (9.62 m) above land-surface datum.

PERIOD OF RECORD.--1919, February 1939, April 1943 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.7 ft (12.1 m) above land-surface datum, 1919; lowest measured, 12.44 ft (3.79 m) below land-surface datum, Oct. 15, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 3	11.28	JAN 24	10.05	APR 27	9.25

325905090192201. Local number, B103.

LOCATION.--Lat 32°59'05", long 90°19'22", Hydrologic Unit 08030206, SE¼SW¼ sec.8, T.13 N., R.1 W., at Eden across from Baptist church.

Owner: Town of Eden.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 4-2½ in (10-6.4 cm), depth 1,735 ft (529 m), screened 1,659-1,669, 1,689-1,699, 1,705-1,715 ft (506-509, 515-518, 520-523 m).

DATUM.--Land-surface datum is about 112 ft (34 m) above mean sea level. Measuring point: Top of 4-in (10-cm) cap, 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 143.2 ft (43.6 m) above land-surface datum, January 1954; lowest measured, 98.0 ft (29.9 m) above land-surface datum, Oct. 31, 1974.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 3	100.7	JAN 24	100.0	APR 27	98.5

325100090250701. Local number, G6.

LOCATION.--Lat 32°51'00", long 90°25'07", Hydrologic Unit 08030206, SW¼NE¼ sec.32, T.12 N., R.2 W., 0.3 mi (0.5 km) northwest of center of Yazoo City at power plant on Bridge Street.

Owner: Yazoo City.

AQUIFER.--Mississippi River valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16-12 in (41-30 cm), depth 212 ft (65 m), cased to 152 ft (46 m).

DATUM.--Land-surface datum is about 100 ft (30 m) above mean sea level. Measuring point: Top of casing or top of recorder house floor, 5.60 ft (1.71 m) above land-surface datum.

PERIOD OF RECORD.--September 1940, November 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.40 ft (5.30 m) below land-surface datum, Nov. 10, 1975; lowest measured, 28.34 ft (8.64 m) below land-surface datum, Jan. 15, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 3	21.42	JAN 24	18.70	APR 27	19.56	AUG 18	21.90
DEC 7	21.90	MAR 3	21.22	MAY 25	19.18		

325016090251601. Local number, G126.

LOCATION.--Lat 32°50'16", long 90°25'16", Hydrologic Unit 08030206, SW¼NE¼ sec.32, T.12 N., R.2 W., 0.3 mi (0.5 km) northwest of center of Yazoo City at power plant on Bridge Street.

Owner: Yazoo City.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 801 ft (244 m), cased to 761 ft (232 m).

DATUM.--Land-surface datum is about 96 ft (29 m) above mean sea level. Measuring point: Top of recorder house floor, 4.0 ft (1.22 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--January 1939, January 1955 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.1 ft (9.5 m) above land-surface datum, Jan. 17, 1939; lowest measured, 30.1 ft (9.2 m) below land-surface datum, Sept. 4, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	24.4	22.3	21.6	20.7	22.4	21.5	20.4	---	24.8	23.2	22.4	22.5
10	24.1	22.3	21.7	---	22.0	21.0	20.7	---	25.3	23.1	---	22.7
15	23.5	22.3	21.3	---	21.6	---	---	---	24.9	22.7	---	22.6
20	22.9	21.8	21.6	---	21.5	21.0	---	---	25.1	22.6	21.9	22.8
25	23.2	21.2	21.1	---	21.8	20.4	---	24.8	24.9	22.3	22.0	22.8
EOM	22.9	21.2	21.1	---	21.6	20.2	---	24.3	23.3	22.6	22.6	22.9

324936090423001. Local number, J128.

LOCATION.--Lat 32°49'36", long 90°42'30", Hydrologic Unit 08030207, NE¼SE¼ sec.4, T.11 N., R.5 W., 0.2 mi (0.3 km) north of center of Holly Bluff at Holly Bluff School.

Owner: Holly Bluff Consolidated School.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled school-supply artesian well, diameter 4 in (10 cm), depth 980 ft (299 m), cased to 940 ft (287 m).

DATUM.--Land-surface datum is about 103 ft (31 m) above mean sea level. Measuring point: Top of 4-in (10-cm) tee, 3.00 ft (0.91 m) above land-surface datum.

PERIOD OF RECORD.--August 1939, March 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.7 ft (11.8 m) above land-surface datum, Aug. 17, 1939; lowest measured, 11.90 ft (3.63 m) below land-surface datum, May 6, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
MAY 6	11.90

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

Analyses of samples collected for the statewide program are given in the following table. Field determinations and chloride concentrations of samples collected at additional wells in Harrison and Jackson Counties are found in the table "Field Determinations and Chloride Concentrations in Harrison and Jackson Counties, Mississippi." Analyses of samples collected at additional wells in the Tennessee-Tombigbee Study Area are found in the table "Analyses of Samples Collected in the Tennessee-Tombigbee Study Area, Mississippi." Also, field determinations were measured at additional wells in the Tennessee-Tombigbee study area and are listed in the table "Field Determinations in the Tennessee-Tombigbee Study Area, Mississippi."

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	TOTAL DEPTH OF WELL (FT)	DATE OF SAMPLE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM COBALT UNITS)
CLAY COUNTY									
333525089004001	F030 SUNCREEK W A	211GORD	1692	77-06-06	--	790	8.5	27.5	0
HARRISON COUNTY									
302300089180601	N291 DUPONT	122M0CN	1760	77-09-28	0930	355	9.0	33.0	2
HINDS COUNTY									
321600090123001	N018 FILTROL CORP.	124SPRT	850	77-05-20	--	405	8.1	28.0	0
321600090123003	N020 FILTROL CORP.	124SPRT	795	77-05-19	--	395	8.1	26.0	0
32222090095201	H164 HOMEWOOD MANOR	124SPRT	738	77-06-10	--	340	8.7	25.0	0
322912090163801	C040 W B THOMPSON	124M0BC	495	76-12-10	1300	590	8.2	--	20
ITAWAMBA COUNTY									
341419088152401	M005 TREMONT WA	211GORD	155	77-06-07	--	50	5.4	16.5	0
JACKSON COUNTY									
302021088331001	P370 PASCAGOULA ICE	121CRNL	180	77-07-28	1200	280	6.7	--	50
302101088341501	P349 INGALLS	122PCGL	782	77-07-13	1340	1450	8.4	27.5	50
302104088292701	Q137 CHEVRON	121GRMF	387	77-07-14	1130	1050	8.2	24.0	40
302105088342001	P373 INGALLS	121GRMF	320	77-07-29	0955	600	8.7	--	40
302122088312401	Q164 PASCAGOULA	122PCGL	682	77-07-12	1550	1650	8.4	27.5	30
302128088313101	Q181 PASCAGOULA	122PCGL	682	77-07-12	1430	1500	8.4	27.5	30
302130088312901	Q180 PASCAGOULA	122PCGL	663	77-07-12	1400	1200	8.4	27.0	40
302157088335001	P166 QUAKER OATS	121GRMF	326	77-07-13	0900	640	7.7	27.5	30
302225088365506	P304 DELTA CREOSOTE	121GRMF	294	77-07-28	0830	420	7.4	24.5	40
302237088304501	P372 PASCAGOULA	121GRMF	336	77-07-12	0800	900	8.1	24.0	30
302247088302901	Q420 PASCAGOULA	121GRMF	346	77-07-12	1300	950	7.9	25.0	30
LOWNDES COUNTY									
331806088372201	N023 CRAWFORD WA	211GORD	1255	77-06-08	--	190	8.1	25.5	0
333052088234901	G184 COLUMBUS WELL NO 2	211COKR	910	77-08-01	1630	85	6.0	22.0	5
333236088223801	C062 DIXIELAND WAT. CO.	211GORD	620	77-06-08	--	118	6.6	21.0	30
343240088242001	C116 EAST LOWNDES WA	211GORD	597	77-06-08	--	120	5.9	18.5	160
MADISON COUNTY									
323650090002701	N024 CANTON	124SPRT	936	77-05-19	--	180	6.3	25.5	0
323658090010301	N044 CANTON	124SPRT	892	77-05-19	--	190	6.2	25.0	0
323845090004501	N023 VFW HOME (CANTON)	124CKKF	305	77-05-19	--	235	6.3	25.5	0
MARSHALL COUNTY									
343957089274901	S36 WALL DOXEY ST PK	211RPLY	1060	77-03-09	1300	505	8.3	23.5	0
MONROE COUNTY									
334408088262001	Q042 HAMILTON W A WELL N	211GORD	315	77-07-28	1300	90	6.0	21.0	5
335324088140001	J010 GATTMAN	211GORD	124	77-06-07	--	50	5.5	18.5	0
335438088214501	J002 QUINCY W A	211GORD	424	77-06-07	--	50	5.8	18.5	0
335848088242801	C027 HATLEY	211GORD	238	77-06-07	--	90	5.8	16.5	0

QUALITY OF GROUND WATER

391

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977-Continued

STATION NUMBER	DATE OF SAMPLE	HARD-NESS (CA+MG) (MG/L)	NON-CARBONATE HARD-NESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD-SORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
CLAY COUNTY											
333525089004001	77-06-06	39	0	12	2.1	180	90	13	4.1	140	0
HARRISON COUNTY											
302300089180601	77-09-28	5	0	2.0	.1	76	96	14	.8	180	0
HINDS COUNTY											
321600090123001	77-05-20	2	0	.5	.1	100	99	34	.8	260	0
321600090123003	77-05-19	2	0	.8	.1	110	99	31	.8	250	0
322222090095201	77-06-10	4	0	1.3	.1	95	98	22	.7	240	7
322912090163801	76-12-10	8	0	2.3	.5	170	97	26	1.7	324	0
ITAWAMBA COUNTY											
341419088152401	77-06-07	5	0	1.2	.4	1.4	36	.3	.6	9	0
JACKSON COUNTY											
302021088331001	77-07-28	63	0	16	5.7	40	56	2.2	3.7	120	0
302101088341501	77-07-13	9	0	3.0	.3	340	98	50	2.7	370	0
302104088292701	77-07-14	18	0	3.6	2.3	220	95	22	3.6	340	0
302105088342001	77-07-29	4	0	1.4	.2	160	98	34	.8	300	0
302122088312401	77-07-12	9	0	3.2	.3	380	99	54	1.9	340	0
302128088313101	77-07-12	7	0	2.5	.3	340	99	54	1.6	350	0
302130088312901	77-07-12	7	0	2.3	.2	340	99	58	1.4	340	0
302157088335001	77-07-13	20	0	4.4	2.3	150	93	14	3.7	280	0
302225088365506	77-07-28	19	0	5.3	1.4	120	92	12	2.2	260	0
302237088304501	77-07-12	16	0	4.0	1.5	210	96	23	2.4	310	0
302247088302901	77-07-12	15	0	2.9	1.8	260	97	30	3.4	360	0
LOWNDES COUNTY											
331806088372201	77-06-08	9	0	2.6	.6	41	88	6.0	2.6	87	0
333052088234901	77-08-01	19	5	5.0	1.5	2.0	17	.2	2.5	17	0
333236088223801	77-06-08	32	0	8.3	2.7	6.1	24	.5	7.2	55	0
343240088242001	77-06-08	34	3	8.9	2.8	2.6	13	.2	4.5	37	0
MADISON COUNTY											
323650090002701	77-05-19	14	0	4.6	.7	34	81	3.9	2.3	91	0
323658090010301	77-05-19	20	0	6.0	1.3	35	76	3.4	2.8	100	0
323845090004501	77-05-19	70	0	19	5.5	19	35	1.0	4.4	95	0
MARSHALL COUNTY											
343957089274901	77-03-09	10	0	3.4	.3	150	96	21	2.6	373	0
MONROE COUNTY											
334408088262001	77-07-28	20	0	4.8	1.9	3.2	21	.3	4.6	35	0
335324088140001	77-06-07	7	2	1.6	.8	3.0	42	.5	1.5	6	0
335438088214501	77-06-07	10	0	2.0	1.2	2.8	33	.4	1.7	14	0
335848088242801	77-06-07	16	0	3.4	1.8	2.0	19	.2	2.0	25	0

AQUIFER NAMES OF GEOLOGIC UNIT CODES

THE AQUIFER NAMES CORRESPONDING TO THE GEOLOGIC UNITS LISTED IN THE QUALITY OF GROUND WATER TABLES ARE GIVEN BELOW.

110 ALVM - ALLUVIUM, QUATERNARY	124 SPRT - SPARTA SAND, EOCENE
121 CRNL - CITRONELLE FORMATION, PLIOCENE	211 COKR - COKER FORMATION, UPPER CRETACEOUS
121 GRMF - GRAHAM FERRY FORMATION, PLIOCENE	211 EUTW - EUTAW FORMATION, UPPER CRETACEOUS
122 MOCN - MIOCENE SERIES, MIOCENE	211 GORD - GORDO FORMATION, UPPER CRETACEOUS
122 PCGL - PASCAGOULA FORMATION, MIOCENE	211 MCSN - MCSHAN FORMATION, UPPER CRETACEOUS
123 FRHL - FOREST HILL SAND, OLIGOCENE	211 RPLY - RIPLEY FORMATION, UPPER CRETACEOUS
124 CCKF - COCKFIELD FORMATION, EOCENE	211 TBGB - TOMBIGBEE SAND MEMBER OF EUTAW FORMATION, UPPER CRETACEOUS
124 MDBC - MOODYS BRANCH FORMATION, EOCENE	300 PLZC - PALEOZOIC ERATHEM, PALEOZOIC
124 MUWX - MERIDIAN-UPPER WILCOX AQUIFER, EOCENE	

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977-Continued

STATION NUMBER	DATE OF SAMPLE	ALKA-LINITY AS CAC03 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED SILICA (SI02) (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 IRON (FE) (UG/L)
CLAY COUNTY											
333525089004001	77-06-06	110	.7	1.0	210	.2	13	481	492	.65	190
HARRISON COUNTY											
302300089180601	77-09-28	150	.3	11	16	.2	20	219	215	.30	30
HINDS COUNTY											
321600090123001	77-05-20	210	3.3	11	1.8	.2	16	265	259	.36	40
321600090123003	77-05-19	210	3.2	11	2.6	.2	16	249	265	.34	30
322222090095201	77-06-10	210	.8	5.9	2.8	.1	16	260	247	.35	40
322912090163801	76-12-10	266	3.3	49	31	.4	12	417	427	.57	120
ITAWAMBA COUNTY											
341419088152401	77-06-07	7	57	.3	2.2	.0	9.3	21	20	.03	10
JACKSON COUNTY											
302021088331001	77-07-28	98	38	2.6	42	.2	29	220	202	.30	3900
302101088341501	77-07-13	300	2.4	2.6	310	.7	28	860	870	1.17	50
302104088292701	77-07-14	280	3.4	2.2	170	.8	18	624	588	.85	40
302105088342001	77-07-29	250	1.0	2.6	73	.6	21	430	408	.58	60
302122088312401	77-07-12	280	2.2	2.6	380	.8	25	967	961	1.32	50
302128088313101	77-07-12	290	2.2	2.8	320	.8	23	860	864	1.17	100
302130088312901	77-07-12	280	2.2	2.8	240	.6	20	726	775	.99	30
302157088335001	77-07-13	230	8.9	2.3	80	.7	41	431	423	.59	120
302225088365506	77-07-28	210	17	5.9	29	.5	44	325	337	.44	530
302237088304501	77-07-12	250	3.9	2.3	170	.5	36	579	580	.79	90
302247088302901	77-07-12	300	7.3	2.2	140	1.0	23	612	612	.83	40
LOWNDES COUNTY											
331806088372201	77-06-08	71	1.1	.4	20	.1	11	136	121	.19	50
333052088234901	77-08-01	14	27	7.4	2.0	.1	8.9		54	.06	16000
333236088223801	77-06-08	45	22	3.1	1.8	.1	10	71	74	.10	7700
343240088242001	77-06-08	30	75	6.8	2.3	.1	9.8		68	.07	12000
MADISON COUNTY											
323650090002701	77-05-19	75	73	10	4.3	.1	72	168	173	.23	470
323658090010301	77-05-19	82	101	11	4.3	.1	70	171	181	.23	750
323845090004501	77-05-19	78	76	31	5.7	.1	43	178	175	.24	340
MARSHALL COUNTY											
343957089274901	77-03-09	306	3.0	6.3	2.2	.6	15	368	364	.50	80
MONROE COUNTY											
334408088262001	77-07-28	29	56	6.6	2.2	.1	10		66	.07	15000
335324088140001	77-06-07	5	30	.1	4.6	.0	14		29	.06	90
335438088214501	77-06-07	11	36	2.7	1.9	.0	11	29	30	.04	50
335848088242801	77-06-07	21	63	3.4	1.7	.0	9.8	47	55	.06	19000

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977-Continued

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	TOTAL DEPTH OF WELL (FT)	DATE OF SAMPLE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLAT-INUM COBALT UNITS)
OKTIBBEHA COUNTY									
322833088451501	D042 CLAYTON VILLAGE	211GORD	1086	77-06-29	1000	170	7.9	25.0	5
332225088584201	F024 BRADLEY W A	211COKR	1834	77-06-30	1200	1100	8.3	31.0	5
332238088475001	G011 OKTOC W A	211GORD	1457	77-06-29	1145	180	8.3	26.5	5
332400088505001	G031 TALKING WARRIOR	211GORD	1352	77-06-29	1300	650	8.3	26.5	5
332408088441101	H015 SESSUMS W A	211GORD	1230	77-06-28	1700	180	8.0	26.0	5
332509088523501	G037 BLUEFIELD W A	211GORD	1414	77-06-30	1000	750	8.3	26.5	5
332545088442501	H017 TURKEY CREEK W A	211GORD	1436	77-06-29	1045	160	8.3	26.0	5
332533088433501	H018 BLACKJACK W A	211GORD	1387	77-06-28	1900	180	8.0	25.5	5
333010088584501	H015 CENTER GROVE W A	211GORD	1840	77-06-29	1600	850	8.3	29.5	5
333030089040001	A008 DOUBLE SPRINGS WA	211GORD	2008	77-06-29	1700	950	8.4	34.0	5
333200088510001	C022 TRIMCANE W A	211GORD	1408	77-06-29	1430	150	7.6	25.0	5
PONTOTOC COUNTY									
341052089015901	G042 ALGOMA WA	211EUTW	1064	77-06-06	--	395	7.9	22.5	0
PRENTISS COUNTY									
341313088243401	L089 NEW SITE W A TH NO	211GORD	380	77-08-03	1700	185	6.4	18.0	10
RANKIN COUNTY									
320928089593901	G054 SHELL OIL GARRETT	123FRHL	880	77-05-20	--	430	7.7	29.0	20
321048090035401	P090 MONTEREY WA #2	124CCKF	1038	77-05-20	--	485	7.3	29.0	40
322122089595101	G037 CASTLEWOOD UTIL.	124CCKF	768	77-05-20	--	395	6.8	25.5	0
SIMPSON COUNTY									
320043090003202	C043 TOUCHSTONE W A TEST	124SPRT	1910	77-03-25	1000	480	8.6	31.0	200
SUNFLOWER COUNTY									
332701090302701	R031 MOORHEAD	124MUWX	1485	76-11-04	1015	400	8.0	24.5	5
334800090331001	E052 DREW COUNTRY CLUB	124SPRT	639	76-11-04	1300	650	7.5	20.0	0
TALLAHATCHIE COUNTY									
340905090003301	B009 T SMITH	124SPRT	231	76-11-03	1630	170	7.6	17.0	0
TISHOMINGO COUNTY									
343806088122701	J062 TISHOMINGO	211GORD	180	77-09-14	1205	<50	5.4	16.5	0
WASHINGTON COUNTY									
331619090522201	L070 ARCOLA TEST WELL 1	124CCKF	400	77-03-30	0830	1500	8.4	21.0	150
331619090522203	L072 ARCOLA	124SPRT	967	77-06-22	1145	610	8.4	27.0	50
WEBSTER COUNTY									
333618089074301	J006 SAVANNAH WA	211GORD	2074	77-06-06	--	840	7.9	31.0	0

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977-Continued

STATION	NUMBER	DATE OF SAMPLE	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)
OKTIBBEHA COUNTY												
322833088451501	77-06-29	25	0	6.9	2.0	28	67	2.4	4.1	75	0	0
332225088584201	77-06-30	25	0	7.9	1.2	280	95	25	3.3	150	0	0
332238088475001	77-06-29	15	0	4.4	1.0	38	82	4.3	2.6	98	0	0
332400088505001	77-06-29	21	0	6.5	1.1	160	93	15	2.9	140	0	0
332408088441101	77-06-28	24	0	7.1	1.6	31	70	2.7	3.5	84	0	0
332509088523501	77-06-30	18	0	5.6	1.0	180	95	18	3.0	155	0	0
332545088462501	77-06-29	23	0	6.4	1.6	30	71	2.7	3.3	93	0	0
332633088435801	77-06-28	30	0	8.2	2.3	29	64	2.3	4.2	77	0	0
333010088584501	77-06-29	27	0	8.3	1.4	200	93	17	3.5	150	0	0
333030089040001	77-06-29	43	0	14	1.9	220	91	15	3.7	160	0	0
333200088510001	77-06-29	29	0	8.0	2.2	23	60	1.9	3.9	81	0	0
PONTOTOC COUNTY												
341052089015901	77-06-06	12	0	3.3	.8	90	93	12	2.8	140	0	0
PRENTISS COUNTY												
343313088243401	77-08-03	70	0	21	4.3	9.5	22	.5	3.2	93	0	0
RANKIN COUNTY												
320928089593901	77-05-20	3	0	1.0	.1	110	98	28	1.2	260	0	0
321048090035401	77-05-20	7	0	2.2	.3	110	97	18	1.1	230	0	0
322122089595101	77-05-20	10	0	.9	2.0	100	94	13	2.1	210	0	0
SIMPSON COUNTY												
320043090003202	77-03-25	6	0	2.1	.2	130	97	23	1.2	315	21	0
SUNFLOWER COUNTY												
332701090302701	76-11-04	2	0	1.0	.0	110	98	30	1.0	306	0	0
334800090331001	76-11-04	31	0	8.8	2.3	180	92	14	2.9	471	0	0
TALLAHATCHIE COUNTY												
340905090003301	76-11-03	79	0	18	8.2	5.5	13	.3	2.3	100	0	0
TISHOMINGO COUNTY												
343806088122701	77-09-14	6	0	1.6	.6	1.4	30	.2	.6	10	0	0
WASHINGTON COUNTY												
331619090522201	77-03-30	15	0	4.8	.8	340	98	38	1.9	439	7	0
331619090522203	77-06-22	6	0	2.3	.1	200	98	35	1.0	480	0	0
WEBSTER COUNTY												
333618089074301	77-06-06	58	0	18	3.2	180	86	10	4.2	140	0	0

QUALITY OF GROUND WATER

395

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977-Continued

STATION NUMBER	DATE OF SAMPLE	ALKALINITY AS CaCO ₃ (MG/L)	CARBON DIOXIDE (CO ₂) (MG/L)	DIS-SOLVED SULFATE (SO ₄) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO ₂) (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 IRON (FE) (UG/L)
OKTIBBEHA COUNTY											
322833088451501	77-06-29	62	1.5	.3	21	.1	11	110	111	.15	410
332225088584201	77-06-30	120	1.2	2.8	340	.3	14	711	724	.97	120
332238088475001	77-06-29	80	.8	1.9	13	.1	12	114	121	.16	130
332400088505001	77-06-29	110	1.1	.6	180	.2	12	437	432	.59	130
332408088441101	77-06-28	69	1.3	.3	16	.1	11	113	112	.15	180
332509088523501	77-06-30	120	1.2	.6	210	.3	12	478	487	.65	130
332545088462501	77-06-29	76	.7	1.1	9.1	.1	11	115	109	.16	150
332633088435801	77-06-28	63	1.2	1.0	24	.1	11	118	118	.16	410
333010088584501	77-06-29	120	1.2	.6	260	.2	13	555	561	.75	200
333030089040001	77-06-29	130	1.0	.3	290	.3	15	624	624	.85	10
333200088510001	77-06-29	66	3.3	1.7	8.5	.1	11	102	99	.14	840
PONTOTOC COUNTY											
341052089015901	77-06-06	110	2.8	4.1	59	.1	14	250	243	.34	40
PRENTISS COUNTY											
343313088243401	77-08-03	76	59	5.0	9.1	.0	8.2	110	111	.15	4400
RANKIN COUNTY											
320928089593901	77-05-20	210	8.3	23	15	.3	15	313	294	.43	50
321048090035401	77-05-20	190	18	29	23	.3	15	301	295	.41	610
322122089595101	77-05-20	170	53	31	19	.1	32	303	291	.41	750
SIMPSON COUNTY											
320043090003202	77-03-25	290	1.4	3.4	4.8	.5	20	337	339	.46	90
SUNFLOWER COUNTY											
332701090302701	76-11-04	251	4.9	2.0	2.7	.1	13	277	281	.38	50
334800090331001	76-11-04	386	24	2.6	25	.1	25	474	479	.64	350
TALLAHATCHIE COUNTY											
340905070003301	76-11-03	82	4.0	2.8	3.1	.0	39	123	131	.17	3100
TISHOMINGO COUNTY											
343806088122701	77-09-14	8	64	.7	1.6	.0	10		21	.04	20
WASHINGTON COUNTY											
331619090522201	77-03-30	370	2.9	3.0	300	1.5	14	917	890	1.25	140
331619090522203	77-06-22	390	3.1	3.4	19	.3	16	479	479	.65	60
WEBSTER COUNTY											
333618089074301	77-06-06	110	2.8	.9	240	.2	14	522	530	.71	30

QUALITY OF GROUND WATER

FIELD DETERMINATIONS AND CHLORIDE CONCENTRATIONS IN HARRISON AND JACKSON COUNTIES, MISSISSIPPI

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

Field determinations and chloride concentrations in Harrison and Jackson Counties, Mississippi, are given in the following table. Analyses of samples collected at additional wells in Harrison and Jackson Counties are found in the general table "Quality of Ground Water."

STATION NUMBER	LOCAL IDENTIFIER	GEO-LOGIC UNIT	TOTAL DEPTH OF WELL (FT)	DATE OF SAMPLE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED CHLORIDE (CL) (MG/L)
HARRISON COUNTY									
301218088570001	M202 U S COAST GUARD	121GRMF	730	77-07-13	0800	--	--	--	5.5
301242088580701	M624 NATIONAL PARK SHIP	121GRMF	436	77-07-13	0830	--	--	--	19
301345088534501	M001 MISS PK COMM	121GRMF	727	77-07-13	0800	--	--	--	6.2
302400089022403	L141 V A HOSPITAL	122PCGL	1098	77-07-25	1635	350	9.0	--	3.2
JACKSON COUNTY									
301405088411201	0049 NPS GULF ISLANDS NS	122PCGL	836	77-07-14	0900	--	--	--	87
301509088430201	0048 NPS GULF ISLANDS NS	122PCGL	819	77-07-14	0920	--	--	--	51
301955088301101	Q100 H K PORTER CO	121GRMF	374	77-07-14	1505	975	8.4	24.0	170
301956088295601	Q103 H K PORTER CO	121GRMF	372	77-07-14	1520	1050	8.4	24.5	180
302029088332801	P302 HARDY JOHNSON	121CRNL	87	77-09-14	--	1080	7.3	--	230
302037088330201	P256 PHIL WARE	121CRNL	105	77-09-13	--	1090	7.2	--	240
302038088330101	P255 L R FURR	121CRNL	89	77-09-13	--	990	7.2	--	210
302039088322101	P245 A DANTZLER	121CRNL	94	77-09-13	--	1190	6.9	--	290
302042088333001	P340 ROBERT CHAPIN	121CRNL	63	77-09-13	--	990	7.3	--	210
302045088325501	P265 C H ABRAMS	121CRNL	94	77-09-14	--	960	8.5	--	200
302057088333901	P348 INGALLS CORP	122PCGL	800	77-07-13	1050	1300	8.4	28.5	250
302100088295501	Q111 COASTAL CHEM CO	121GRMF	351	77-07-14	1015	950	8.2	24.0	140
302100088341501	P291 INGALLS CORP	121GRMF	280	77-07-13	1415	750	8.0	23.5	110
302115088330404	P150 PASCAGOULA	122PCGL	785	77-07-12	0830	1300	8.4	27.0	300
302120088330001	P145 INGALLS CORP	122PCGL	805	77-07-13	1000	2200	8.5	28.5	560
302134088330803	P124 PASCAGOULA	122PCGL	801	77-07-21	0900	1600	8.4	27.0	350
302137088331401	P350 A L LOWE	121GRMF	190	77-09-14	--	650	7.2	--	100
302149088340601	P108 JKSN CO PORT	122PCGL	783	77-07-28	1410	1350	8.3	--	330
3021500883383101	0053 SEASHORE UTL	122PCGL	762	77-09-29	--	1000	9.2	--	130
302157088334901	P115 QUAKER OATS CO	121GRMF	316	77-07-13	0930	640	7.7	23.5	72
302216088301101	Q395 EQUIPMENT INC	121GRMF	308	77-09-13	--	990	8.5	--	150
302221088330903	P072 PASC ICE FREEZR	121GRMF	336	77-07-28	1230	840	8.4	--	160
302225088370702	P218 SEASHORE UTL	122PCGL	840	77-09-14	--	780	8.5	--	130
302227088381401	Q233 GAUTIER JR H S	121CRNL	108	77-09-27	--	200	6.8	--	13
302241088321701	P069 PASCAGOULA	121GRMF	302	77-07-12	1045	875	8.1	24.0	140
302244088325801	P068 PASCAGOULA	121GRMF	292	77-07-12	1000	910	7.9	23.5	160
302247088321401	P262 B L MATHIS	121GRMF	132	77-09-14	--	840	7.2	--	160
302300088312001	Q293 PASCAGOULA	121GRMF	326	77-07-12	1300	950	8.1	24.0	120
302323088321801	P355 MOSS POINT	122PCGL	827	77-07-27	1615	1190	8.5	--	270
302335088384501	0194 SAFARI LOUNGE	121GRMF	280	77-09-27	--	300	7.5	--	15
302336088385201	0052 GULF COAST JR COL	122PCGL	870	77-08-12	--	1000	8.5	--	180
302337088294301	Q053 J P SPENCE	121GRMF	248	77-07-26	1050	360	6.8	--	31
302351088331101	P231 W R GUEST JR	121CRNL	89	77-09-14	--	130	6.8	--	8.6
302358088390401	Q202 NORTHWOOD UTL	122PCGL	704	77-09-29	--	930	9.0	--	160
302400088283001	Q048 HUGH L STORK	121GRMF	264	77-07-14	1800	750	7.2	--	130
302404088312401	Q417 MOSS POINT	122PCGL	802	77-07-27	--	1050	8.4	--	230
302413088303001	Q166 MOSS POINT	122PCGL	645	77-07-27	1715	1040	9.0	--	230
302422088321201	P054 MOSS POINT	122PCGL	808	77-07-27	1430	850	8.5	--	160
302431088444401	N037 COAST WATER WKS	122PCGL	496	77-09-28	--	--	--	--	4.5
302432088375104	P039 JOHN HEIL	121GRMF	290	77-09-29	--	390	7.5	--	23
302445088334501	P229 MOSS POINT	122PCGL	890	77-07-27	1520	1000	8.5	--	200
302448088292901	Q422 INTERNATIONAL PAPER	121GRMF	255	77-07-26	0835	820	8.4	--	120
302448088321602	P048 MOSS POINT	122PCGL	1100	77-07-27	1745	1400	8.5	--	300
302452088283201	Q031 S H SEAMAN	121GRMF	231	77-07-26	1015	820	8.0	--	120
302454088493402	N049 L&N RAILROAD	122PCGL	1290	77-07-15	1030	2800	8.4	31.5	680
302523088271901	Q036 MISS ST SCALES	121GRMF	221	77-07-14	1435	1200	8.4	24.0	160
302524088305501	W019 ZAPATA	122PCGL	950	77-07-26	--	1650	9.0	--	420
302532088271701	Q032 C J MOZINGO	121GRMF	241	77-07-14	1700	1020	8.4	24.5	140
302535088305605	Q018 THIOKOL CHEM	121GRMF	250	77-07-26	1410	600	7.0	21.0	78
302548088304401	Q151 SEA COAST PRODUCTS	121GRMF	232	77-07-26	1550	660	7.3	--	410
302556088314301	Q418 ESCATAWPA	122PCGL	350	77-07-27	1000	650	8.5	--	72
302601088314401	Q419 ESCATAWPA	122PCGL	417	77-07-27	1010	650	8.5	--	67
302718088372901	P301 GULF FISHERIES	121GRMF	319	77-07-28	1030	740	8.4	--	130
302803088322901	P292 DR J T THOMPSON	121CRNL	80	77-09-14	--	290	6.9	--	66
302936088331601	L032 JACKSON COUNTY	122PCGL	245	77-07-27	1030	520	8.4	--	50

ANALYSES OF SAMPLES COLLECTED IN THE TENNESSEE-TOMBIGBEE STUDY AREA, MISSISSIPPI

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

Analyses of samples collected in the Tennessee-Tombigbee Study Area, Mississippi, are given in the following table. Field determinations were measured at additional wells in the study area and are listed in the table "Field Determinations in the Tennessee-Tombigbee Study Area, Mississippi," which follows. Also, a few miscellaneous analyses collected in the study area for the statewide program are found in the general table "Quality of Ground Water."

STATION NUMBER	LOCAL IDENTIFIER	GEO-LOGIC UNIT	TOTAL DEPTH OF WELL (FT)	DATE OF SAMPLE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLAT-INUM COBALT UNITS)
ITAWAMBA COUNTY									
341235088232101	L013 USCE 73A	211GORD	138	77-09-13	1535	92	5.7	17.0	20
341235088232102	L018 USCE 73B	211EUTW	26	77-09-13	1530	250	6.4	17.5	120
LOWNDES COUNTY									
3329350882A2001	F073 USCE TTM 2A	211EUTW	162	77-09-27	1630	580	8.2	18.5	15
3333550882A2502	C100 USCE 114B	110ALVM	47	77-09-27	1400	161	6.3	18.0	0
3333550882A2503	C101 USCE 114C	211EUTW	92	77-09-27	1315	78	6.5	18.0	150
MONROE COUNTY									
334930088313010	L079 USCE DE-WTR NO-10	211EUTW	130	77-09-28	1400	195	7.7	17.5	0
334958088323601	L075 USCE AB-11	211MCSN	224	77-09-28	1000	180	7.7	19.0	2
334958088323603	L078 USCE AB-12	211EUTW	90	77-09-28	1100	310	7.5	18.5	0
335000088322901	L017 ABERDEEN #1	211EUTW	160	77-06-09	--	275	8.2	18.5	0
335902088314501	C080 USCE TTM 6-A	211TBGB	65	77-09-28	1700	125	5.6	17.5	0
335902088314502	C081 USCE TTM 6-B	110ALVM	38	77-09-28	1730	160	5.6	18.0	0
340056088283001	C066 USCE 94A	110ALVM	20	77-09-28	1530	173	5.7	19.0	10
TISHOMINGO COUNTY									
344007088161801	J027 USCE W01	211EUTW	74	76-11-16	1145	72	5.6	16.0	0
344014088164501	J040 USCE E02	211EUTW	51	76-11-16	1220	98	5.8	15.5	0
344014088165501	J029 USCE W03	211EUTW	64	76-11-16	1100	115	5.9	16.5	0
344017088164801	J041 USCE E03	211EUTW	63	76-11-16	1230	108	5.8	16.0	0
344017088165801	J030 USCE W04	211EUTW	85	76-11-16	1045	84	5.8	16.5	0
344021088170201	J031 USCE W05	211EUTW	86	76-11-16	1035	74	5.6	16.5	0
344022088165201	J042 USCE E04	211EUTW	77	76-11-16	1235	82	5.7	16.5	0
344023088170601	J032 USCE W06A	211EUTW	82	76-11-16	1025	77	5.6	15.5	0
344024088165501	J043 USCE E05	211EUTW	88	76-11-16	1250	59	5.6	16.5	0
344027088165701	J044 USCE E06	211EUTW	80	76-11-16	1300	72	5.6	16.0	0
344032088170101	J045 USCE E07	211EUTW	76	76-11-16	1430	68	5.4	15.5	0
344033088171201	J034 USCE W08	211EUTW	77	76-11-16	1015	88	5.7	15.5	0
344036088170401	J046 USCE E08	211EUTW	96	76-11-16	1445	58	5.6	15.5	0
344037088171301	J035 USCE W09	211EUTW	76	76-11-16	1010	86	5.7	16.0	0
344043088171501	J036 USCE W10	211EUTW	75	76-11-16	1000	81	5.7	15.5	0
344046088170801	J048 USCE E10	211EUTW	104	76-11-16	1505	64	5.6	15.0	0
344047088171701	J037 USCE W11	211EUTW	82	76-11-16	0945	84	5.8	15.5	0
344052088171001	J049 USCE E11	211EUTW	98	76-11-16	1515	56	5.6	15.0	5
344053088171901	J038 USCE W12	211EUTW	102	76-11-16	0930	85	5.7	15.5	0
344055088170801	G059 USCE E12	211EUTW	98	76-11-16	0845	44	5.7	15.0	0
344057088170901	G060 USCE E13	211EUTW	81	76-11-17	1040	76	5.2	16.5	0
344101088171901	G050 USCE W13	211EUTW	103	76-11-16	0920	72	5.6	14.5	5
344103088170701	G061 USCE E14	211EUTW	112	76-11-17	1050	100	5.3	16.5	0
344104088172001	G051 USCE W14	211EUTW	149	76-11-16	0900	92	5.5	14.5	0
344111088172201	G052 USCE W15	211EUTW	142	76-11-16	0825	68	5.4	15.5	0
344114088170801	G063 USCE E16	211EUTW	94	76-11-17	1020	99	5.3	16.5	0
344115088172001	G053 USCE W16	211EUTW	110	76-11-17	0940	69	5.3	16.0	0
344118088171901	G054 USCE W17	211EUTW	138	76-11-17	0930	55	5.3	15.5	0
344123088170601	G065 USCE E18	211EUTW	168	76-11-17	1120	88	5.5	16.5	0
344123088171801	G055 USCE W18	211EUTW	137	76-11-17	0920	52	5.2	15.0	0
344127088171701	G056 USCE W19	211EUTW	110	76-11-17	0910	86	5.1	16.0	5
344130088170701	G066 USCE E19	211EUTW	146	76-11-17	1130	100	5.2	16.0	0
344133088171901	G057 USCE W20	211EUTW	169	76-11-17	0900	44	4.9	15.5	0
344135088170701	G067 USCE E20	211EUTW	133	76-11-17	1140	85	5.1	15.5	0
344137088171701	G058 USCE W21	211EUTW	150	76-11-17	0845	97	5.9	16.5	0
344139088170801	G068 USCE E21	211EUTW	162	76-11-17	1105	57	5.0	16.5	5
344253088162803	G016 USCE 25B	211EUTW	200	77-09-14	1500	<50	5.5	17.5	2
344638088200102	D040 USCE 12D	211GORD	190	77-09-14	1415	110	6.8	16.5	20
344638088200103	D041 USCE 12B	211EUTW	150	77-09-14	1345	150	6.8	16.5	6

QUALITY OF GROUND WATER

ANALYSES OF SAMPLES COLLECTED IN THE TENNESSEE-TOMBIGBEE STUDY AREA, MISSISSIPPI--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

STATION	NUMBER	DATE OF SAMPLE	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)
ITAWAMBA COUNTY												
341235088232101		77-09-13	23	0	6.5	1.6	5.4	32	.5	2.0	30	0
341235088232102		77-09-13	51	0	15	3.3	13	35	.8	1.8	100	0
LOWNDES COUNTY												
332935088282001		77-09-27	34	0	10	2.2	130	87	9.7	6.8	300	0
333355088282502		77-09-27	26	0	7.9	1.5	20	60	1.7	2.7	70	0
333355088282503		77-09-27	29	4	10	1.0	2.5	14	.2	3.1	30	0
MONROE COUNTY												
334930088313010		77-09-28	61	0	18	3.8	20	39	1.1	5.0	120	0
334958088323601		77-09-28	40	0	12	2.5	25	54	1.7	4.5	110	0
334958088323603		77-09-28	62	0	20	2.9	50	62	2.8	4.1	170	0
33500088322901		77-06-09	72	0	22	4.1	38	52	2.0	4.4	150	0
335902088314501		77-09-28	25	13	7.3	1.6	6.3	33	.6	1.9	14	0
335902088314502		77-09-28	54	15	17	2.8	11	30	.7	2.4	48	0
340056088283001		77-09-28	40	0	11	3.0	18	48	1.2	2.2	53	0
TISHOMINGO COUNTY												
344007088161801		76-11-16	18	0	4.1	1.8	2.7	23	.3	1.6	25	0
344014088164501		76-11-16	24	0	7.0	1.7	2.7	18	.2	2.0	35	0
344014088165501		76-11-16	31	7	8.2	2.6	3.0	16	.2	2.0	30	0
344017088164801		76-11-16	30	0	7.8	2.5	2.6	15	.2	2.1	43	0
344017088165801		76-11-16	13	0	2.2	1.8	2.6	27	.3	1.9	56	0
344021088170201		76-11-16	24	6	7.2	1.4	2.6	18	.2	1.6	22	0
344022088165201		76-11-16	18	0	5.1	1.3	3.3	26	.3	1.7	22	0
344023088170601		76-11-16	19	0	5.6	1.1	2.6	21	.3	1.7	24	0
344024088165501		76-11-16	16	0	4.3	1.2	2.4	23	.3	1.5	20	0
344027088165701		76-11-16	21	0	6.2	1.4	3.0	22	.3	1.6	26	0
344032088170101		76-11-16	15	0	4.5	1.0	2.7	25	.3	1.6	22	0
344033088171201		76-11-16	22	1	5.9	1.8	2.6	19	.2	2.1	26	0
344036088170401		76-11-16	14	0	4.0	1.0	2.0	21	.2	1.6	20	0
344037088171301		76-11-16	23	0	6.0	1.9	2.5	18	.2	1.9	28	0
344043088171501		76-11-16	20	1	5.5	1.5	2.1	17	.2	1.8	23	0
344046088170801		76-11-16	15	0	4.0	1.1	2.5	25	.3	1.5	25	0
344047088171701		76-11-16	23	3	6.9	1.4	2.7	19	.2	2.0	24	0
344052088171001		76-11-16	18	5	5.0	1.3	1.8	16	.2	1.6	16	0
344053088171901		76-11-16	18	0	5.0	1.3	2.6	22	.3	2.0	23	0
344055088170801		76-11-16	14	0	4.0	1.0	2.1	22	.2	1.3	20	0
344057088170901		76-11-17	19	0	5.7	1.1	2.6	21	.3	1.8	31	0
344101088171901		76-11-16	16	0	4.3	1.3	2.7	24	.3	1.8	20	0
344103088170701		76-11-17	27	0	8.3	1.6	3.2	19	.3	2.2	41	0
344104088172001		76-11-16	26	0	7.8	1.5	3.2	20	.3	2.1	38	0
344111088172201		76-11-16	17	0	4.4	1.5	3.1	26	.3	1.8	21	0
344114088170801		76-11-17	27	0	8.6	1.4	3.0	18	.3	2.1	36	0
344115088172001		76-11-17	19	0	5.7	1.2	2.7	21	.3	1.8	26	0
344118088171901		76-11-17	15	2	4.3	1.0	1.9	20	.2	1.6	16	0
344123088170601		76-11-17	23	0	7.2	1.3	2.8	19	.3	2.0	30	0
344123088171801		76-11-17	14	0	4.3	.8	1.8	20	.2	1.5	24	0
344127088171701		76-11-17	25	2	7.5	1.5	2.6	17	.2	1.9	28	0
344130088170701		76-11-17	27	0	8.0	1.8	3.1	18	.3	1.9	47	0
344133088171901		76-11-17	14	0	3.8	1.0	1.4	16	.2	1.6	24	0
344135088170701		76-11-17	22	0	6.6	1.4	2.9	20	.3	1.8	30	0
344137088171701		76-11-17	27	0	8.0	1.6	3.4	20	.3	2.0	35	0
344139088170801		76-11-17	16	0	4.4	1.1	2.5	24	.3	1.4	23	0
344253088162803		77-09-14	9	1	1.8	1.1	1.8	27	.3	1.4	10	0
344638088200102		77-09-14	35	11	14	.1	6.4	27	.5	2.4	30	0
344638088200103		77-09-14	71	0	27	.8	4.2	11	.2	2.3	94	0

ANALYSES OF SAMPLES COLLECTED IN THE TENNESSEE-TOMBIGBEE STUDY AREA, MISSISSIPPI--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

STATION NUMBER	DATE OF SAMPLE	ALKALINITY AS CaCO ₃ (MG/L)	CARBON DIOXIDE (CO ₂) (MG/L)	DIS-SOLVED SULFATE (SO ₄) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO ₂) (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 NITRATE (N) (MG/L)
ITAWAMBA COUNTY											
341235088232101	77-09-13	25	96	3.8	1.5	.2	8.1	57	57	.06	.01
341235088232102	77-09-13	82	64	.4	5.0	.1	22	145	145	.14	.06
LOWNDES COUNTY											
332935088282001	77-09-27	250	3.0	2.4	51	.5	7.7	345	359	.47	.00
333355088282502	77-09-27	57	56	8.6	3.3	.1	25	88	104	.12	.06
333355088282503	77-09-27	25	15	6.7	2.1	.1	9.3		51	.08	.05
MONROE COUNTY											
334930088313010	77-09-28	98	3.8	1.0	4.9	.1	13	127	125	.17	.00
334958088323601	77-09-28	90	3.5	2.7	4.2	.1	13	121	118	.16	.00
334958088323603	77-09-28	140	8.6	3.7	16	.2	14	194	195	.26	.02
335000088322901	77-06-09	120	1.5	16	13	.1	15	186	187	.25	--
335902088314501	77-09-28	11	56	4.9	18	.0	21	88	77	.12	.00
335902088314502	77-09-28	39	193	10	20	.0	19	117	112	.16	1.4
340056088283001	77-09-28	43	169	11	25	.1	16	130	140	.18	.00
TISHOMINGO COUNTY											
344007088161801	76-11-16	21	100	6.0	1.6	.0	26	60	63	.08	.05
344014088164501	76-11-16	29	89	5.2	1.4	.1	26		72	.08	.01
344014088165501	76-11-16	25	60	12	2.6	.0	29	90	76	.12	.00
344017088164801	76-11-16	35	109	4.9	.7	.1	23		74	.07	.13
344017088165801	76-11-16	46	142	5.1	1.4	.2	26		69	.07	.01
344021088170201	76-11-16	18	88	6.1	1.4	.1	26		58	.07	.02
344022088165201	76-11-16	18	70	7.9	.4	.1	27		64	.06	.01
344023088170601	76-11-16	20	96	5.6	1.4	.1	29		63	.06	.01
344024088165501	76-11-16	16	80	7.4	1.3	.1	29		61	.07	.00
344027088165701	76-11-16	21	104	5.1	1.5	.1	28		66	.05	.01
344032088170101	76-11-16	18	140	4.1	.9	.1	27		58	.05	.01
344033088171201	76-11-16	21	83	8.3	1.4	.0	26		69	.08	.00
344036088170401	76-11-16	16	80	5.2	.5	.1	23		51	.06	.06
344037088171301	76-11-16	23	89	7.3	1.3	.1	27		68	.09	.01
344043088171501	76-11-16	19	73	6.0	1.3	.3	27	61	64	.08	.01
344046088170801	76-11-16	21	100	4.4	.9	.1	24		56	.05	.07
344047088171701	76-11-16	20	61	6.7	1.2	.1	27	66	68	.09	.02
344052088171001	76-11-16	13	64	3.9	.6	.1	21		48	.05	.10
344053088171901	76-11-16	19	73	8.9	1.1	.2	30	70	70	.10	.03
344055088170801	76-11-16	16	64	2.9	.7	.2	21		46	.04	.05
344057088170901	76-11-17	25	313	5.2	.5	.1	29		62	.07	.02
344101088171901	76-11-16	16	80	7.9	1.1	.1	28	55	62	.07	.02
344103088170701	76-11-17	34	329	6.3	1.0	.2	31	85	74	.12	.02
344104088172001	76-11-16	31	192	6.8	1.5	.1	16		60	.06	.04
344111088172201	76-11-16	17	134	7.3	1.3	.0	27	60	59	.08	.01
344114088170801	76-11-17	30	289	5.2	.6	.1	26		71	.07	.01
344115088172001	76-11-17	21	208	6.9	.6	.1	24		56	.06	.04
344118088171901	76-11-17	13	128	7.3	.4	.1	19		46	.04	.06
344123088170601	76-11-17	25	152	5.9	1.4	.2	25	55	62	.07	.01
344123088171801	76-11-17	20	242	2.1	.4	.1	18	44	44	.06	.16
344127088171701	76-11-17	23	356	6.3	1.3	.0	23	58	60	.08	.03
344130088170701	76-11-17	39	474	5.3	1.3	.1	21		74	.05	.02
344133088171901	76-11-17	20	483	.3	.4	.2	21		42	.04	.06
344135088170701	76-11-17	25	381	5.4	.8	.1	24	53	62	.07	.04
344137088171701	76-11-17	29	70	4.1	.9	.2	28		73	.07	.06
344139088170801	76-11-17	19	368	4.8	1.5	.1	23	52	53	.07	.10
344253088162803	77-09-14	8	51	6.3	.8	.0	21		40	.07	.00
344638088200102	77-09-14	25	7.6	19	2.6	.1	.9	70	60	.10	.00
344638088200103	77-09-14	77	24	.8	1.8	.2	1.5	92	85	.13	.01

QUALITY OF GROUND WATER

ANALYSES OF SAMPLES COLLECTED IN THE TENNESSEE-TOMBIGBEE STUDY AREA, MISSISSIPPI--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

STATION	NUMBER	DATE OF SAMPLE	DIS- SOLVED NITRATE (NO3) (MG/L)	DIS- SOLVED NITRITE (N) (MG/L)	DIS- SOLVED NITRITE (NO2) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
ITAWAMBA COUNTY												
341235088232101	77-09-13		.04	.00	.00	.01	--	--	--	--	--	13000
341235088232102	77-09-13		.27	.00	.00	.06	--	--	--	--	--	34000
LOWNDES COUNTY												
332935088282001	77-09-27		.00	.00	.00	.00	--	--	--	--	--	130
332935088282502	77-09-27		.27	.00	.00	.06	--	--	--	--	--	60
33355088282503	77-09-27		.22	.01	.03	.06	--	--	--	--	--	1200
MONROE COUNTY												
334930088313010	77-09-28		.00	.00	.00	.00	--	--	--	--	--	20
334958088323601	77-09-28		.00	.00	.00	.00	--	--	--	--	--	90
334958088323603	77-09-28		.09	.00	.00	.02	--	--	--	--	--	40
335000088322901	77-06-09		--	--	--	--	--	--	--	--	--	190
335902088314501	77-09-28		.00	.00	.00	.00	--	--	--	--	--	8800
335902088314502	77-09-28		6.2	.01	.03	1.4	--	--	--	--	--	40
340056088283001	77-09-28		.00	.00	.00	.00	--	--	--	--	--	27000
TISHOMINGO COUNTY												
344007088161801	76-11-16		.22	.00	.00	.05	--	--	--	--	--	5900
344014088164501	76-11-16		.04	.00	.00	.01	--	--	--	--	--	8200
344014088165501	76-11-16		.00	.00	.00	.00	--	--	--	--	--	1300
344017088164801	76-11-16		.58	.00	.00	.13	--	--	--	--	--	7800
344017088165801	76-11-16		.04	.00	.00	.01	--	--	--	--	--	360
344021088170201	76-11-16		.09	.00	.00	.02	0	0	0	0	38000	840
344022088165201	76-11-16		.04	.00	.00	.01	--	--	--	--	--	5500
344023088170601	76-11-16		.04	.00	.00	.01	--	--	--	--	--	4200
344024088165501	76-11-16		.00	.00	.00	.00	--	--	--	--	--	4000
344027088165701	76-11-16		.04	.00	.00	.01	--	--	--	--	--	5700
344032088170101	76-11-16		.04	.00	.00	.01	--	--	--	--	--	5400
344033088171201	76-11-16		.00	.00	.00	.00	--	--	--	--	--	7500
344036088170401	76-11-16		.27	.00	.00	.06	--	--	--	--	--	3300
344037088171301	76-11-16		.04	.00	.00	.01	--	--	--	--	--	5800
344043088171501	76-11-16		.04	.00	.00	.01	--	--	--	--	--	6600
344046088170801	76-11-16		.31	.00	.00	.07	--	--	--	--	--	4800
344047088171701	76-11-16		.09	.00	.00	.02	--	--	--	--	--	7900
344052088171001	76-11-16		.44	.00	.00	.10	--	--	--	--	--	4200
344053088171901	76-11-16		.13	.01	.03	.04	--	--	--	--	--	6800
344055088170801	76-11-16		.22	.00	.00	.05	--	--	--	--	--	2700
344057088170901	76-11-17		.09	.00	.00	.02	0	0	0	0	--	10
344101088171901	76-11-16		.09	.00	.00	.02	--	--	--	--	--	4800
344103088170701	76-11-17		.09	.00	.00	.02	0	0	0	0	--	40
344104088172001	76-11-16		.18	.00	.00	.04	--	--	--	--	--	2200
344111088172201	76-11-16		.04	.00	.00	.01	--	--	--	--	--	2400
344114088170801	76-11-17		.04	.00	.00	.01	--	--	--	--	--	6000
344115088172001	76-11-17		.18	.00	.00	.04	--	--	--	--	--	250
344118088171901	76-11-17		.27	.00	.00	.06	--	--	--	--	--	1700
344123088170601	76-11-17		.04	.00	.00	.01	--	--	--	--	--	1500
344123088171801	76-11-17		.71	.00	.00	.16	0	0	0	0	3500	2100
344127088171701	76-11-17		.13	.00	.00	.03	--	--	--	--	--	2000
344130088170701	76-11-17		.09	.00	.00	.02	--	--	--	--	--	7500
344133088171901	76-11-17		.27	.01	.03	.07	--	--	--	--	--	70
344135088170701	76-11-17		.18	.00	.00	.04	--	--	--	--	--	3400
344137088171701	76-11-17		.27	.00	.00	.06	--	--	--	--	--	6500
344139088170801	76-11-17		.44	.00	.00	.10	--	--	--	--	--	2200
344253088162803	77-09-14		.00	.00	.00	.00	--	--	--	--	--	380
344638088200102	77-09-14		.00	.00	.00	.00	--	--	--	--	--	20
344638088200103	77-09-14		.04	.00	.00	.01	--	--	--	--	--	30

QUALITY OF GROUND WATER

401

ANALYSES OF SAMPLES COLLECTED IN THE TENNESSEE-TOMBIGBEE STUDY AREA, MISSISSIPPI--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

STATION	NUMBER	DATE OF SAMPLE	DIS- SOLVED LEAD (PB) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)
ITAWAMBA COUNTY						
341235088232101		77-09-13	--	370	--	--
341235088232102		77-09-13	--	830	--	--
LOWNDES COUNTY						
332935088282001		77-09-27	--	20	--	--
333355088282502		77-09-27	--	80	--	--
333355088282503		77-09-27	--	360	--	--
MONROE COUNTY						
334930088313010		77-09-28	--	130	--	--
334958088323601		77-09-28	--	70	--	--
334958088323603		77-09-28	--	70	--	--
335000088322901		77-06-09	--	--	--	--
335902088314501		77-09-28	--	480	--	--
335902088314502		77-09-28	--	220	--	--
340056088283001		77-09-28	--	890	--	--
TISHOMINGO COUNTY						
344007088161801		76-11-16	--	260	--	--
344014088164501		76-11-16	--	350	--	--
344014088165501		76-11-16	--	440	--	--
344017088164801		76-11-16	--	450	--	--
344017088165801		76-11-16	--	260	--	--
344021088170201		76-11-16	5	300	.2	0
344022088165201		76-11-16	--	330	--	--
344023088170601		76-11-16	--	300	--	--
344024088165501		76-11-16	--	140	--	--
344027088165701		76-11-16	--	350	--	--
344032088170101		76-11-16	--	190	--	--
344033088171201		76-11-16	--	290	--	--
344036088170401		76-11-16	--	130	--	--
344037088171301		76-11-16	--	360	--	--
344043088171501		76-11-16	--	270	--	--
344046088170801		76-11-16	--	180	--	--
344047088171701		76-11-16	--	280	--	--
344052088171001		76-11-16	--	160	--	--
344053088171901		76-11-16	--	280	--	--
344055088170801		76-11-16	--	120	--	--
344057088170901		76-11-17	4	260	.2	0
344101088171901		76-11-16	--	230	--	--
344103088170701		76-11-17	6	300	.2	0
344104088172001		76-11-16	--	240	--	--
344111088172201		76-11-16	--	220	--	--
344114088170801		76-11-17	--	330	--	--
344115088172001		76-11-17	--	160	--	--
344118088171901		76-11-17	--	130	--	--
344123088170601		76-11-17	--	300	--	--
344123088171801		76-11-17	8	110	.2	0
344127088171701		76-11-17	--	200	--	--
344130088170701		76-11-17	--	320	--	--
344133088171901		76-11-17	--	110	--	--
344135088170701		76-11-17	--	270	--	--
344137088171701		76-11-17	--	390	--	--
344139088170801		76-11-17	--	130	--	--
344253088162803		77-09-14	--	20	--	--
344638088200102		77-09-14	--	0	--	--
344638088200103		77-09-14	--	120	--	--

QUALITY OF GROUND WATER

FIELD DETERMINATIONS IN THE TENNESSEE-TOMBIGBEE STUDY AREA, MISSISSIPPI

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

Field determinations measured in the Tennessee-Tombigbee Study Area, Mississippi, are given in the following table. Analyses of samples collected at additional wells in the study area are found in the preceding table "Analyses of Samples Collected in the Tennessee-Tombigbee Study Area, Mississippi." Also, a few miscellaneous analyses collected in the study area for the statewide program are found in the general table "Quality of Ground Water."

STATION NUMBER	LOCAL IDENTIFIER	GEO-LOGIC UNIT	TOTAL DEPTH OF WELL (FT)	DATE OF SAMPLE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	
ITAWAMBA COUNTY									
341235088232101 L013 USCE 73A		211GORD	138	76-11-09	1330	110	6.0	16.0	
		211GORD	138	77-02-17	1110	95	6.0	17.0	
		211GORD	138	77-05-12	1005	92	5.8	17.0	
		211GORD	138	77-08-02	1630	95	6.1	17.0	
		211GORD	138	77-09-13	1535	92	5.7	17.0	
342241088235701 D027 USCE 63A		300PLZC	260	76-11-09	1445	210	6.3	16.0	
		300PLZC	260	77-02-17	1030	200	6.5	16.5	
		300PLZC	260	77-05-18	1250	180	6.4	16.5	
		300PLZC	260	77-08-02	1710	185	6.2	17.0	
		211GORD	150	76-11-09	1450	120	6.4	16.0	
342241088235702 D023 USCE 63B		211GORD	150	77-02-17	1035	105	6.0	16.5	
		211GORD	150	77-05-18	1252	80	5.9	17.0	
		211GORD	150	77-08-02	1710	100	5.8	17.0	
		211GORD	106	76-11-09	1530	120	6.2	15.5	
		211GORD	106	77-02-17	1800	110	5.9	16.0	
342245088232501 E006 USCE 64A		211GORD	106	77-05-18	1345	105	5.9	16.5	
		211GORD	106	77-08-02	1730	110	6.0	17.5	
MONROE COUNTY									
340504088241101 C051 USCE 84A		211GORD	170	76-11-09	1100	120	5.7	16.0	
		211GORD	170	77-02-15	1705	110	6.0	17.0	
		211GORD	170	77-05-12	1225	110	5.8	16.5	
		211GORD	170	77-08-02	1525	115	5.8	17.0	
		211EUTW	110	76-11-09	1105	110	5.8	16.0	
340504088241102 C052 USCE 84B		211EUTW	110	77-02-15	1715	100	5.8	16.5	
		211EUTW	110	77-05-12	1220	105	5.7	17.0	
		211EUTW	110	77-08-02	1530	107	5.7	17.0	
TISHOMINGO COUNTY									
344007088161801 J027 USCE W01		211EUTW	74	76-10-27	1300	70	--	15.0	
		211EUTW	74	76-11-16	1145	72	5.6	16.0	
344014088164501 J040 USCE E02		211EUTW	51	76-10-27	1420	110	--	15.0	
		211EUTW	51	76-11-16	1220	98	5.8	15.5	
344014088165501 J029 USCE W03		211EUTW	64	76-10-27	1235	110	--	15.5	
		211EUTW	64	76-11-16	1100	115	5.9	16.5	
344017088164801 J041 USCE E03		211EUTW	63	76-10-27	1415	110	--	15.0	
		211EUTW	63	76-11-16	1230	108	5.8	16.0	
344017088165801 J030 USCE W04		211EUTW	85	76-10-27	1230	115	--	16.0	
		211EUTW	85	76-11-16	1045	84	5.8	16.5	
		211EUTW	86	76-10-27	1215	75	--	16.0	
344021088170201 J031 USCE W05		211EUTW	86	76-11-16	1035	74	5.6	16.5	
344022088165201 J042 USCE E04		211EUTW	77	76-10-27	1410	75	--	15.0	
		211EUTW	77	76-11-16	1235	82	5.7	16.5	
344023088170601 J032 USCE W06A		211EUTW	82	76-10-27	1210	85	--	15.5	
		211EUTW	82	76-11-16	1025	77	5.6	15.5	
344024088165501 J043 USCE E05		211EUTW	88	76-10-27	1400	58	--	15.0	
		211EUTW	88	76-11-16	1250	59	5.6	16.5	
344027088165701 J044 USCE E06		211EUTW	80	76-10-27	1355	70	--	15.0	
		211EUTW	80	76-11-16	1300	72	5.6	16.0	
344032088170101 J045 USCE E07		211EUTW	76	76-10-27	1430	58	--	15.0	
		211EUTW	76	76-11-16	1430	68	5.4	15.5	
344033088171201 J034 USCE W08		211EUTW	77	76-10-27	1155	80	--	15.0	
		211EUTW	77	76-11-16	1015	88	5.7	15.5	
344036088170401 J046 USCE E08		211EUTW	96	76-10-27	1435	58	--	14.5	
		211EUTW	96	76-11-16	1445	58	5.6	15.5	
344037088171301 J035 USCE W09		211EUTW	76	76-10-27	1150	70	--	14.5	

FIELD DETERMINATIONS IN THE TENNESSEE-TOMBIGBEE STUDY AREA, MISSISSIPPI--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

STATION NUMBER	LOCAL IDENTIFIER	GEO-LOGIC UNIT	TOTAL DEPTH OF WELL (FT)	DATE OF SAMPLE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)
TISHOMINGO COUNTY--CONTINUED								
344040088170701	J047 USCE E09	211EUTW	76	76-11-16	1010	86	5.7	16.0
344043088171501	J036 USCE W10	211EUTW	96	76-10-27	1445	50	--	15.0
		211EUTW	75	76-10-27	1140	55	--	15.0
344046088170801	J048 USCE E10	211EUTW	75	76-11-16	1000	81	5.7	15.5
		211EUTW	104	76-10-27	1450	60	--	14.0
		211EUTW	104	76-11-16	1505	64	5.6	15.0
344047088171701	J037 USCE W11	211EUTW	82	76-10-27	1135	70	--	14.5
		211EUTW	82	76-11-16	0945	84	5.8	15.5
344052088171001	J049 USCE E11	211EUTW	98	76-10-27	1455	53	--	14.0
		211EUTW	98	76-11-16	1515	56	5.6	15.0
344053088171901	J038 USCE W12	211EUTW	102	76-10-27	1125	75	--	15.0
344053088171901	J038 USCE W12	211EUTW	102	76-11-16	0930	85	5.7	15.5
344055088170801	G059 USCE E12	211EUTW	98	76-10-28	1025	44	--	14.0
		211EUTW	98	76-11-16	0845	44	5.7	15.0
344057088170901	G060 USCE E13	211EUTW	81	76-10-28	1015	73	--	15.0
		211EUTW	81	76-11-17	1040	76	5.2	16.5
344101088171901	G050 USCE W13	211EUTW	103	76-10-27	1120	78	--	15.0
		211EUTW	103	76-11-16	0920	72	5.6	14.5
344103088170701	G061 USCE E14	211EUTW	112	76-10-28	1005	95	--	15.0
		211EUTW	112	76-11-17	1050	100	5.3	16.5
344104088172001	G051 USCE W14	211EUTW	149	76-10-27	1115	80	--	15.0
		211EUTW	149	76-11-16	0900	92	5.5	14.5
344110088170701	G062 USCE E15	211EUTW	120	76-10-28	0940	80	--	14.5
344111088172201	G052 USCE W15	211EUTW	142	76-10-27	1110	60	--	14.0
		211EUTW	142	76-11-16	0825	68	5.4	15.5
344114088170801	G063 USCE E16	211EUTW	94	76-10-28	0950	100	--	15.0
		211EUTW	94	76-11-17	1020	99	5.3	16.5
344115088172001	G053 USCE W16	211EUTW	110	76-10-27	1055	70	--	15.0
		211EUTW	110	76-11-17	0940	69	5.3	16.0
344117088170801	G064 USCE E17A	211EUTW	110	76-10-28	0955	105	--	15.0
344118088171901	G054 USCE W17	211EUTW	138	76-10-27	1050	52	--	15.0
		211EUTW	138	76-11-17	0930	55	5.3	15.5
344123088170601	G065 USCE E18	211EUTW	168	76-10-28	0930	85	--	15.0
		211EUTW	168	76-11-17	1120	88	5.5	16.5
344123088171801	G055 USCE W18	211EUTW	137	76-10-27	1045	58	--	14.0
		211EUTW	137	76-11-17	0920	52	5.2	15.0
344127088171701	G056 USCE W19	211EUTW	110	76-10-27	1010	74	--	15.0
		211EUTW	110	76-11-17	0910	86	5.1	16.0
344130088170701	G066 USCE E19	211EUTW	146	76-10-28	0925	80	--	15.0
		211EUTW	146	76-11-17	1130	100	5.2	16.0
344133088171901	G057 USCE W20	211EUTW	169	76-10-27	0950	88	--	15.0
		211EUTW	169	76-11-17	0900	44	4.9	15.5
344135088170701	G067 USCE E20	211EUTW	133	76-10-28	0905	75	--	15.5
		211EUTW	133	76-11-17	1140	85	5.1	15.5
344137088171701	G058 USCE W21	211EUTW	150	76-10-27	1000	100	--	15.0
		211EUTW	150	76-11-17	0845	97	5.9	16.5
344139088170801	G068 USCE E21	211EUTW	162	76-10-28	0915	54	--	14.5
344139088170801	G068 USCE E21	211EUTW	162	76-11-17	1105	57	5.0	16.5

INDEX

	Page		Page
Aberdeen, Buttahatchee River near.....	56	Black Creek tributary near Okahola.....	230
James Creek at.....	54	Blown Pine Creek near Hattiesburg.....	221
Nichols Creek near.....	55	Blue-green algae, definition of.....	4
Tombigbee River at.....	51-53	Bluff Creek near Vancleave.....	107
Accuracy of field data and computed results.....	9	Bluff Creek tributary near Whites Crossing.....	221
Acknowledgements.....	2	Bogalusa, LA, Pearl River near.....	125
Acre-foot, definition of.....	2	Boggans ditch near Mendenhall.....	223
Agricola, Escatawpa River near.....	106	Bogue Chitto near Tylertown.....	126
Algae, definition of.....	2	Bogue Fallah Creek tributary near Ackerman.....	219
Amite River near Darlington, LA.....	215	Bogue Homo near Richton.....	76
Amory, Tombigbee River near.....	48-50	Bogufala Creek near Carolina.....	237
Analyses of samples collected at water-quality partial-record sites.....	239-346	Boguegaba Creek near Carolina.....	237
Analyses of samples collected during short-term intensive studies.....	241-338	Booneville, Big Brown Creek near.....	17
Back Bay of Biloxi.....	279-292	Bovina, Big Black River near.....	194-202
Black Creek near Purvis.....	250-253	Bowie Creek near Hattiesburg.....	69
Little Tangipahoa River near McComb.....	330-338	near Sanford.....	219
Old Fort Bayou near Ocean Springs.....	293-299	Bradleys ditch near Pinola.....	224
Pascagoula and Escatawpa Rivers.....	254-278	Broad Lake tributary No. 1 near Yazoo City.....	227
Pearl River near Byram.....	315-322	Brooklyn, Black Creek near.....	99
St. Louis Bay and Jourdan River.....	300-314	Bruce, Skuna River at.....	160
Tallahala Creek near Laurel.....	241-249	Brushy Creek tributary near Oxberry.....	226
Tillatoba Creek basin near Charleston.....	323-329	Buck Creek near Rummelstown.....	220
Aquifer, definition of.....	2	Buckatunna Creek near Denham.....	86
Arkabutla, Coldwater River at Arkabutla Dam near	152	Buffalo River basin, hydrologic-data station	214
Arkabutla Lake near Arkabutla.....	151	records in.....	214
Artesian, definition of.....	2	Buffalo River near Woodville.....	214
Arundel, Okatibbee Creek at.....	80-81	Bull Mountain Creek at Tremont.....	40
Ash mass, definition of.....	3	near Smithville.....	41-42
		Burgess Creek near Paden.....	235,239
Bacteria, definition of.....	2	Burnsville, Little Yellow Creek East near.....	129
Baking Powder Draw near Prentiss.....	224	Buttahatchee River near Aberdeen.....	56
Barretts Branch near Pinola.....	224	near Kolola Springs.....	57
Bayou Bernard basin, discharge measurements at miscellaneous sites in.....	231	Calendar for water year 1977.....	2nd cover
Low-flow partial-record stations in.....	216	Calhoun City, Yalobusha River at.....	159
Bayou Bernard at London.....	231	Caney Creek near Coffeeville.....	226
Bayou Costapia near Ocean Springs.....	231	Carthage, Pearl River near.....	112-113
Bayou Pierre basin, crest-stage partial-record stations in.....	228	Catahoula Creek near Kiln.....	231
hydrologic-data station records in.....	203	Catalpa Creek at Mayhew.....	218
Bayou Pierre near Willows.....	203	Caveness Branch near Moores Mill.....	236
Bear Creek at Bishop, AL.....	128	Cedar Creek near Brooksville.....	218
Beaver Run near McCall Creek.....	228	Cells/volume, definition of.....	3
Bed material, definition of.....	2	CFS-day, definition of.....	3
Belmont, Rock Creek near.....	31-32	Charleston, South Fork Tillatoba Creek near.....	156-157
Bemdale, Pascagoula River near.....	90-98	Chemical oxygen demand, definition of.....	3
Berea Creek near Holts Spur.....	238	Chickasawhay River at Enterprise.....	83-84
Big Black River basin, crest-stage partial-record stations in.....	227-228	at Leakesville.....	87
hydrologic-data station records in.....	193-202	at Shubuta.....	84
discharge measurements at miscellaneous sites in	232	near Waynesboro.....	85
Big Black River at West.....	193	Chiwapa Creek at Shannon.....	217
near Bovina.....	194-202	Chlorophyll, definition of.....	3
near Canton.....	232	Chuquatonchee Creek near Egypt.....	218
near Durant.....	232	near Okalona.....	218
near Winona.....	232	near West Point.....	218
Big Black River tributary near Eupora.....	227	Chuquatonchee Creek tributary near Trebloc.....	218
Big Brown Creek at Altitude.....	234	Chunky River near Chunky.....	78
near Booneville.....	17	Clarks Creek near Pattison.....	228
Big Creek tributary near Laurel.....	219	Clausel Creek at Cairo.....	237
Big Rock Hollow near Altitude.....	234	Clausel Creek tributary at Cairo.....	238
Big Sand Creek tributary near North Carrollton....	226	Clear Branch near Tupelo.....	217
Big Sunflower River at Sunflower.....	178	Clear Creek near Bovina.....	227
Bigbee, Tombigbee River at.....	43	Clear Creek tributary near Pelahatchie.....	222
Biloxi River basin, crest-stage partial-record stations in.....	221	Cochrane, AL, Tombigbee River near.....	65
hydrologic-data station records in.....	108	Coffee Bogue at Ludlow.....	222
Biloxi River at Wortham.....	108	Coldwater River at Arkabutla Dam, near Arkabutla..	152
near Lyman.....	221	Coles Creek near Fayette.....	228
Biochemical oxygen demand, definition of.....	2	Collection and computation of stage and water- discharge data.....	7
Biomass, definition of.....	2	Collection and examination of water-quality data..	10
Bishop, AL, Bear Creek at.....	128	Collection of ground-water level data.....	11
Black Branch at Paden.....	235, 240	Collins, Leaf River near.....	68
Black Creek near Brooklyn.....	99	Color unit, definition of.....	3
near Okahola.....	230	Columbia, Pearl River near.....	124
near Purvis.....	216	Columbus, Luxapallila Creek near.....	63-64
near Wiggins.....	104	Tombigbee River at.....	60-61
		Contents, definition of.....	3
		Control, definition of.....	3
		Conversion factors, English units to International (SI) units.....	3rd cover

	Page		Page
Coonshuck Creek tributary near House.....	222	Ground-water level records and quality records	
Coonewar Creek at Shannon.....	217	in (Continued):	
Cooperation.....	1	Chickasaw County.....	346
Copiah Creek near Hazlehurst.....	224	Choctaw County.....	346
Cotton Gin Branch near Tupelo.....	217	Claiborne County.....	346
Cowbell Creek near Houlika.....	218	Clay County.....	348-350, 390-392
Cow Pike Pass near Tupelo.....	217	Coahoma County.....	350-351
Cracker ditch near Pontotoc.....	225	Copiah County.....	351
Crest-stage partial record stations.....	217-229	De Soto County.....	352
Cripple Deer Creek near Tishomingo.....	237	Forrest County.....	352-353
Cripple Deer Creek tributary near Iuka.....	237	Franklin County.....	353
CRS Draw near Liberty.....	229	Greene County.....	354
Cubic feet per second per square mile, definition	3	Grenada County.....	354-355
of.....	3	Hancock County.....	355-358
Cubic foot per second, definition of.....	3	Harrison County.....	358-360, 390-392, 396
Cummings Creek near Fulton.....	35-36	Hinds County.....	360-362, 390-392
Cypress Creek near Etta.....	225	Holmes County.....	363
Cypress Creek near Janice.....	100-103	Humphreys County.....	364
Cypress Creek tributary at Bradley.....	219	Itawamba County.....	365, 390-392, 397-402
		Jackson County.....	365-367, 390-392, 396
		Jefferson County.....	367
Darlington, LA, Amite River near.....	215	Jones County.....	367-368
Davis Creek near Scobey.....	231	Lafayette County.....	368-369
near Tillatoba.....	232	Lamar County.....	369
Definition of terms.....	2	Lauderdale County.....	369
Denham, Buckatunna Creek near.....	86	Leake County.....	370
Dennis, Mackeys Creek near.....	20-30	Lee County.....	370-371
Diatoms, definition of.....	4	Leflore County.....	371-372
Discharge at partial-record stations and		Lincoln County.....	372
miscellaneous sites.....	216-238	Lowmes County.....	373-374, 390-392, 397-401
Discharge measurements at miscellaneous sites.....	230-233	Madison County.....	375, 390-392
at low-flow partial-record sites.....	230	Marshall County.....	375, 390-392
in Tennessee-Tombigbee Study Area.....	234-238	Monroe County.....	375-377, 390-392, 397-402
Discharge comparison at representative gaging		Montgomery County.....	377
stations, graph showing.....	13	Noxubee County.....	378
Discharge, definition of.....	3	Pike County.....	379
Discharge, records collected by other agencies....	10	Prentiss County.....	379
Dissolved, definition of.....	3	Oktibbeha County.....	393-395
Donivan Creek near Kirkville.....	236	Pontotoc County.....	393-395
Doskie, Yellow Creek near.....	130-140	Prentiss County.....	379, 393-395
Downing Branch near French Camp.....	227	Rankin County.....	380, 393-395
Downstream order and station number.....	6	Scott County.....	380
Drainage area, definition of.....	3	Sharkey County.....	380-381
Drainage basin, definition of.....	3	Simpson County.....	393-395
Dry Draw near Brookhaven.....	228	Sunflower County.....	381, 393-395
Dry mass, definition of.....	3	Tallahatchie County.....	393-395
		Tate County.....	381-382
East Fork Amite River near Peoria.....	233	Tippah County.....	382
East Prong near Altitude.....	238	Tishomingo County.....	382-383, 393-395, 397-403
Eastern Gulf of Mexico basins, Hydrologic-data		Tunica County.....	384
station records in.....	17-126	Warren County.....	384
Eddiceton, Homochitto River at.....	204	Washington County.....	384-386, 393-395
Edinburg, Pearl River at.....	110-111	Wayne County.....	386
Elmers Draw near Columbia.....	224	Webster County.....	393-395
Enid Lake near Enid.....	149	Wilkinson County.....	386-387
Enid, Yocona River at Enid Dam near.....	150	Yazoo County.....	387-389
Enterprise, Chickasawhay River at.....	82-83		
Escatawpa River near Agricola.....	106	Hamilton Branch near DeKalb.....	219
near Hurley.....	230	Hanging Moss Creek at Jackson.....	223
Etta, Little Tallahatchie River at.....	145	Hardness, definition of.....	4
Eubanks Creek at Jackson.....	223	Hatchie River basin, crest-stage partial-record	
Explanation of ground-water level records.....	11	stations in.....	225
Explanation of stage and water-discharge records..	7	Hattiesburg, Bowie Creek near.....	69
Explanation of water-quality records.....	10	Leaf River at.....	70-71
		Hays Creek tributary near Vaiden.....	227
Fairview, Mud Creek near.....	34	Hays Creek tributary No. 1 near Vaiden.....	227
Fannegusha Creek near Sand Hill.....	222	Heading Mill Hollow near Altitude.....	234
Fannegusha Creek near Tchula.....	226	Hell Creek near New Albany.....	225
Fecal coliform bacteria, definition of.....	2	Hollybush Creek tributary No. 1 near Pisgah.....	222
Fecal streptococcal bacteria, definition of.....	2	Hollybush Creek tributary No. 2 near Pisgah.....	222
Flat Branch at Landon.....	231	Homochitto River basin, crest-stage partial-record	
Flat Scooba Creek tributary near Scooba.....	219	stations in.....	228
Florence, AL, Tennessee River at.....	127	hydrologic-data station records in.....	204-213
Franklin Creek near Grand Bay, AL.....	221	Homochitto River at Eddiceton.....	204
Fret Branch near Marietta.....	236	at Rosetta.....	205-213
Fulton, Cummings Creek near.....	35-36	Houlika Creek near McCondy.....	218
Tombigbee River near.....	37-39	Howard Creek at Cedar Lake.....	231
		Hurricane Creek near Paden.....	235
Gage height, definition of.....	3	Hurricane Creek tributary near Paden.....	235
Gaging station, definition of.....	3	Hydrologic bench-mark station, definition of.....	7
Geiger, AL, Noxubee River near.....	67	Hydrologic conditions.....	2
Goines Draw near Prentiss.....	224	Hydrologic-data station records.....	17-215
Gordon Creek at Broad Street at Hattiesburg.....	220	Hydrologic unit, definition of.....	4
Granny Branch at Piave.....	221		
Green algae, definition of.....	4	Indian Branch near Edinburg.....	222
Greenwood, Yazoo River at.....	163	Instantaneous discharge, definition of.....	3
Grenada Lake near Grenada.....	161	Introduction.....	1
Grenada, Yalobusha River at Grenada Dam near.....	162		
Ground-water level records and quality records		Jackson, Pearl River at.....	119-120
in:		James Creek at Aberdeen.....	55, 218
Adams County.....	339-340	James Wolf Creek tributary near Looxahoma.....	226
Alcorn County.....	340-342	Janice, Cypress Creek near.....	100-103
Attala County.....	342-344	Jourdan Creek near Dennis.....	236
Bolivar County.....	344-346	Jourdan River basin, discharge measurements at	
Calhoun County.....	346	miscellaneous sites in.....	231

	Page		Page
King Creek North Fork at Tishomingo.....	235	National stream-quality accounting network	
King Creek South Fork at Tishomingo.....	235	stations, definition of.....	7
King Creek tributary at Tishomingo.....	235	National water-quality surveillance system	
Kokomo Draw at Kokomo.....	224	stations, definition of.....	7
Kolola Springs, Buttahatchie River near.....	57	Neely Creek near Brandon.....	223
Kosciusko, Yockanookany River near.....	116	Nettleton, Town Creek near.....	46-47
		Networks and programs, special.....	7
Lacy Creek near New Hope.....	235	New Site, Little Brown Creek near.....	18
Lambert, Tallahatchie River near.....	153	Newhebron Gulley at Newhebron.....	224
Landon, Wolf River near.....	109	Nichols Creek near Aberdeen.....	54, 230
Laurel, Tallahatchie Creek at.....	74	Nichols Creek tributary near Quincy.....	218
Lawson Branch near Betheden.....	219	North Canal of East Prong near Altitude.....	234
Leaf River at Beaumont.....	67, 230	North Tippah Creek near Ripley.....	225
at Hattiesburg.....	70-71	Noxubee River at Macon.....	66
at Taylorsville.....	219	near Geiger, AL.....	67
near Collins.....	68	Numbering system for wells and miscellaneous	
near McLain.....	77	sites.....	6
near Raleigh.....	219		
Leakesville, Chickasawhay River at.....	87	Oakohay Creek at Mize.....	219
Line Creek near Maben.....	238	Oakland, Tillatoba Creek below.....	154-155
Little Brown Creek near Burton.....	214	Oak Vale, Whitesand Creek near.....	123
near New Site.....	18	Observers Draw near Doloroso.....	228
Little Brown Creek tributary near Burton.....	234	Ofahoma, Yockanookany River near.....	117-118
near New Hope.....	234, 235	Ohio River basin, hydrologic-data station records	
Little Creek near Fayette.....	228	in.....	127-142
Little Cripple Deer Creek near Iuka.....	237	Okatibbee Creek at Arundel.....	80-81
near Midway.....	237	Okatoma Creek tributary at Mt. Olive.....	219
Little Okatuppa Creek near Quitman.....	219	Okatoma Creek tributary No. 2 near Collins.....	219
Little Rock Creek tributary near Little Rock.....	220	Organic mass, definition of.....	3
Little Tallahatchie River at Etta.....	145	Organism, definition of.....	4
at Sardis Dam, near Sardis.....	147	count/area, definition of.....	4
Little Tangipahoa at McComb.....	232	count/volume, definition of.....	4
at Fernwood.....	232	total count, definition of.....	4
at Magnolia.....	216	Other data available.....	10
Little Yellow Creek near Burnsville.....	238	Otoulalofa Creek at Water Valley.....	225
Little Yellow Creek East near Burnsville.....	129	Oxford, Yocona River near.....	148
Lobutcha Creek tributary at Wamba.....	222		
Long Creek near Cascilla.....	226	Paden, Pollard Mill Branch near.....	19
Long Creek at Courtland.....	225	Palusha Creek tributary near Carrollton.....	226
Low-flow partial-record stations.....	216	Panther Creek at Paden.....	235
Lower Mississippi River basin, hydrologic-data		Panther Creek near Flora.....	227
station records in.....	143-220	Panther Creek tributary near Flora.....	227
Luxapallila Creek near Columbus.....	63-64	Partial-record station, definition of.....	4
at Steens.....	62	Pascagoula River basin, crest-stage partial-	
Lynch Creek at Jackson.....	223	record stations in.....	219-221
		low-flow partial-record stations in.....	216
McCall Creek near Lucien.....	228	discharge measurements at miscellaneous sites	
McLain, Leaf River near.....	77	in.....	230
Mackeys Creek near Dennis.....	20-30	Hydrologic-data station records in.....	68-107
Mackeys Creek tributary near Moores Hill.....	236	Pascagoula River at Merrill.....	88-89
Mackeys Creek tributary near Paden.....	235, 236	near Benndale.....	90-98
Macon, Noxubee River at.....	66	Pearl River basin, crest-stage partial-record	
Mantachie Creek at Dorsey.....	237	stations in.....	222-225
Map showing location of hydrologic-data stations..	14	discharge measurements at miscellaneous sites	
Map showing locations of ground-water observation		in.....	231
wells.....	16	hydrologic-data station records in.....	110-126
Map showing location of partial-record stations..	15	Pearl River at Byram.....	231
Matubby Creek near Aberdeen.....	217	at Edinburg.....	110-111
Mean discharge, definition of.....	3	at Jackson.....	119-120
Measurements in Tennessee-Tombigbee study area...	234-238	at Nicholson.....	231
Memphis, TN, Mississippi River at.....	143-144	near Bogalusa, LA.....	125
Meridian, Sowsashee Creek at.....	79	near Carthage.....	112-113
Merrill, Pascagoula River at.....	88-89	near Columbia.....	124
Metamorphic stage, definition of.....	4	near Monticello.....	121-122
Methylene blue active substance, definition of...	4	near Terry.....	231
Micrograms per gram, definition of.....	4	Percent composition, definition of.....	4
Micrograms per liter, definition of.....	4	Pesticide program, definition of.....	7
Middle channel of East Prong near Altitude.....	234	Pesticides, definition of.....	4
Middle Fork Hickory Flat near Tylertown.....	225	Phytoplankton, definition of.....	4
Mill Creek tributary near Lizana.....	222	Picocurie, definition of.....	4
Milligrams per liter, definition of.....	4	Pigeon Roost Branch near Holts Spur.....	238
Mississippi River Delta, crest-stage partial-		Plankton, definition of.....	4
record stations in.....	229	Plum ditch near Prentiss.....	224
discharge measurements at miscellaneous sites in	232-233	Pollard Mill Branch near Paden.....	19
low-flow partial-record stations in.....	216	Polychlorinated biphenyls, definition of.....	5
hydrologic-data station records in.....	215	Pool Branch near Ripley.....	225
Mississippi River Main Stem, hydrologic-data		Pounds Creek near Moores Mill.....	236
station records on.....	143-144, 182-192	Powers Creek near Rose Hill.....	220
Mississippi River at Memphis, TN.....	143	Publications on techniques of water-resources	
at Vicksburg.....	182-192	investigations.....	12
Mixon Creek near Okahola.....	230	Purple Creek at Jackson.....	223
Mobile River basin, crest-stage partial-record			
stations in.....	217-219	Quiver River tributary near Schlater.....	227
low-flow partial-record stations in.....	216		
discharge measurements at miscellaneous sites in	230	Radiochemical program.....	7
hydrologic-data station records in.....	17-67	Records of discharge collected by agencies other	
Monticello, Pearl River near.....	121-122	than the Geological Survey.....	10
Moore Branch near Midway.....	237	Red Bud Creek near Moores Mill.....	33
Moores Branch near Woodville.....	228	Red Creek at Vestry.....	105
Moores Mill, Red Bud Creek near.....	33	Red Creek tributary near Wiggins.....	221
Mosquito Branch at Benndale.....	221	Red Boot Creek near Fulton.....	217
Mosquito Lake tributaries at Itta Bena.....	226	Red Cane Creek tributary near Pisgah.....	222
Mud Creek near Fairview.....	34		

	Page		Page
Redwood, Yazoo River at.....	179-181	Tchoutacabouffa River basin, crest-stage partial-	
Reeds Creek at Beans Ferry.....	237	records stations in.....	221
Reedy Branch near Paden.....	236	discharge measurements at miscellaneous sites..	216
Reedy Branch tributary near Paden.....	236	low-flow partial-record stations in.....	216
Richland Creek tributary near Brandon.....	223	Tchoutacabouffa River near Biloxi.....	216
Richton, Bogue Homo near.....	76	Tennessee River Main Stem, hydrologic-data	
Riddle Creek near Burton.....	236	station records on.....	127
Roadside Park ditch near Monticello.....	224	Tennessee River basin, hydrologic-data station	
Rock Creek near Belmont.....	31-32, 236	records in.....	127-142
Rosetta, Homochitto River at.....	205-213	Tennessee River at Florence, AL.....	127
Runnelstown, Tallahala Creek near.....	75	Thermograph, definition of.....	6
Runoff in inches, definition of.....	5	Thompson Creek basin, crest-stage partial-record	
Rutledge Branch at Midway.....	237	stations in.....	228
		Three Mile Creek at Jackson.....	223
Sabougla Creek tributary at Sabougla.....	226	Tibbee Creek near Tibbee.....	58-59
St. Catherine Creek basin, crest-stage partial-		Tie Plant Branch near Grenada.....	226
record stations in.....	228	Tilda Bogue near Canton.....	227
Sand Creek tributary near Mayhew.....	218	Tillatoba Creek at Charleston.....	216
Sandersville, Tallahala Creek near.....	73	below Oakland.....	154-155
Sandy Hook Creek near Paden.....	236	near Charleston.....	232
Sandy Run at Okahola.....	230	near Oakland.....	231
Sardis Lake near Sardis.....	146	near Tillatoba.....	231
Sardis, Little Tallahatchie River at Sardis Dam,		Time-weighted average, definition of.....	6
near.....	147	Tippo Bayou tributary at Phillip.....	226
Saucer Creek near Moores Mill.....	236	Tombigbee River at Aberdeen.....	51-53
Sediment, definition of.....	5, 11	at Bigbee.....	43
mean concentration, definition of.....	5	at Columbus.....	60-61
suspended, definition of.....	5	near Amory.....	48-50
suspended-concentration, definition of.....	5	near Cochran, AL.....	65
suspended-discharge, definition of.....	5	near Fulton.....	37-39
suspended-load, definition of.....	5	near Marietta.....	217
total discharge, definition of.....	5	Tons per acre-foot, definition of.....	6
Sharkey Creek tributary near West.....	227	Tons per day, definition of.....	6
Shell Creek near Tupelo.....	217	Total coliform bacteria, definition of.....	2
Shell Bluff, Yazoo River near.....	164-174	Total load.....	6
Shubuta, Chickasawhay River at.....	84	Town Creek at Eason Boulevard at Tupelo.....	44-45
Shubuta Creek near Shubuta.....	221	at Tupelo.....	217
Simmons Creek at Tillatoba.....	232	near Nettleton.....	46-47
near Tillatoba.....	232	Town Creek at Fernwood.....	232
Skuna River at Bruce.....	160	at McComb.....	232
Small Pine Ditch near Monticello.....	224	Town Creek at Jackson.....	223
Smithville, Bull Mountain Creek near.....	41-42	Tremont, Bull Mountain Creek at.....	40
Sodium adsorption ratio, definition of.....	5	Trigger Branch near Tishomingo.....	237
Solute, definition of.....	5	Trim Cane Creek near Starkville.....	218
Souinlovey Creek near Baxter.....	220	Tupelo, Town Creek at Eason Boulevard at.....	44-45
South Atlantic and Eastern Gulf of Mexico Basins,		Turbidity, definition of.....	6
hydrologic-data stations in.....	17-126	Turkey Creek near Gulfport.....	216
South channel of East Prong near Altitude.....	234	Tuscolameta Creek at Walnut Grove.....	114-115
South Fork Tillatoba Creek near Charleston.....	156-157	Tuxachanie Creek near Biloxi.....	221
near Scobey.....	232	Twentymile Creek near Mantachie.....	236
near Tillatoba.....	232	Tylertown, Bogue Chitto near.....	126
Sowashee Creek at Meridian.....	79		
Spanish Bayou at Natchez.....	228	Vancleave, Bluff Creek near.....	107
Special networks and programs.....	7	Vestry, Red Creek at.....	105
Specific conductance, definition of.....	5	Vicksburg, Mississippi River at.....	182-192
Stage-discharge relation, definition of.....	5		
Standifer Creek near Amory.....	237	Waldrop, Tallahala Creek at.....	72
Steens, Luxapallila Creek at.....	62	Walls Creek tributary near Brooklyn.....	221
Stock Pond Draw near Liberty.....	229	Walnut Grove, Tuscolameta Creek at.....	114-115
Streamflow, definition of.....	5	Water analysis.....	10
Strong River at D'Lo.....	223	Water temperature.....	10
near Pinola.....	231	Waterfall Branch near McLain.....	220
near Puckett.....	223	Waynesboro, Chickasawhay River near.....	85
Substrate, definition of.....	5	Weighted average, definition of.....	6
natural.....	5	Wesley Branch near Walnut.....	225
artificial.....	5	West, Big Black River at.....	193
Sucarnoochee Creek near Porterville.....	216	West Hobolochitto Creek near McNeill.....	225
Sunflower, Big Sunflower River at.....	178	Wet mass, definition of.....	3
Surface area, definition of.....	5	Whiteoak Creek tributary near Utica.....	228
Surficial bed material, definition of.....	6	Whitesand Creek near Oak Vale.....	123
Suspended, definition of.....	6	Wiggins, Black Creek near.....	104
Swan Lake, Tallahatchie River at.....	158	Willows, Bayou Pierre near.....	203
		Wolf River basin, crest-stage partial-record	
Tacketts Creek tributary near Pickens.....	227	stations in.....	222, 225
Tallabogue Creek tributary near Harpersville.....	222	hydrologic-data station records in.....	109
Tallahalla Creek at Laurel.....	74, 230	Wolf River near Landon.....	109
near Laurel.....	230	Woodville, Buffalo River near.....	214
at Ellisville.....	230	Wortham, Biloxi River at.....	108
at Waldrop.....	74, 220	WRD, definition of.....	6
near Runnelstown.....	75	Wright Branch near Marietta.....	236
near Sandersville.....	73, 230	WSP, definition of.....	6
on Brown Street Ext. at Laurel.....	230		
Tallahala Creek tributary at 8th Street at Laurel.	220	Yalobusha River at Calhoun City.....	159
Tallahala Creek tributary No. 2 at Grandview Drive		at Grenada Dam, near Grenada.....	162
at Laurel.....	220	Yarber Branch near Altitude.....	234
Tallahatchie River at Swan Lake.....	158	Yazoo City, Yazoo River at.....	175-177
near Lambert.....	153	Yazoo River basin, crest-stage partial-record	
Tallahatta Creek near Waldrop.....	220	stations in.....	225-227
Tallahoma Creek tributary at Lake Como.....	220	discharge measurements at miscellaneous sites	
Tangipahoa River tributary near McComb.....	229	in.....	231-232
Taxonomy, definition of.....	6	low-flow partial-record stations in.....	216
		hydrologic-data station records in.....	145-181

	Page		Page
Yazoo River at Greenwood.....	163	Yockanookany River near Kosciusko.....	116
at Redwood.....	179-181	near Ofahoma.....	117-118
at Shell Bluff.....	164-174	Yockanookany River tributary near McCool.....	222
at Yazoo City.....	175-177	Yocona River at Enid Dam, near Enid.....	150
Yellow Creek at Cairo.....	237	near Oxford.....	148
at Cross Roads.....	141-142		
near Doskie.....	130-140		
Yellow Creek tributaries in vicinity of Holcut....	238	Zooplankton, definition of.....	5

FACTORS FOR CONVERTING U.S. CUSTOMARY UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the U.S. customary units published herein to the International System of Units (SI). Subsequent reports will contain both the U.S. customary and SI unit equivalents in the station manuscript descriptions until such time that all data will be published in SI units.

Multiply U.S. customary 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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