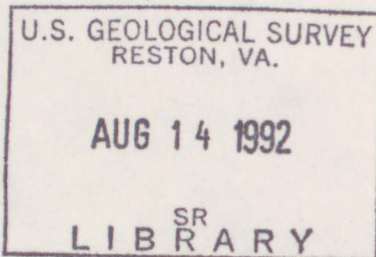
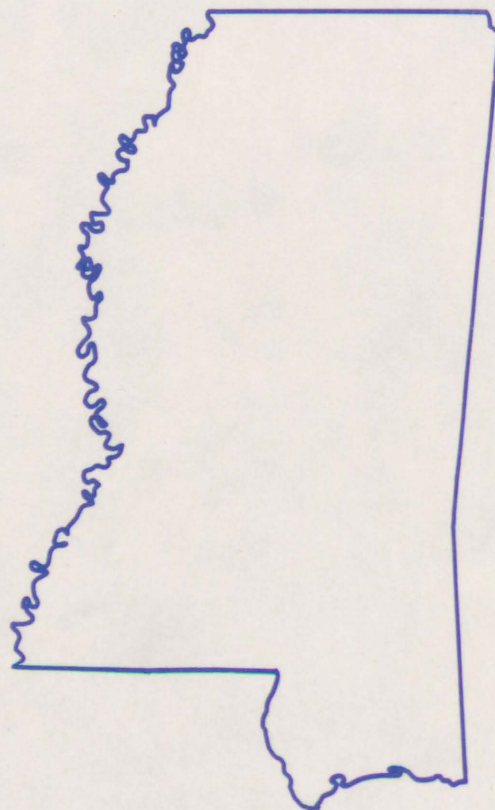


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Water Resources Data Mississippi Water Year 1991



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT MS-91-1
Prepared in cooperation with the Mississippi Department of
Environmental Quality and with other State, county,
municipal, and Federal agencies

CALENDAR FOR WATER YEAR 1991

1990

OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
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7	8	9	10	11	12	13	4	5	6	7	8	9	10	2	3	4	5	6	7	8
14	15	16	17	18	19	20	11	12	13	14	15	16	17	9	10	11	12	13	14	15
21	22	23	24	25	26	27	18	19	20	21	22	23	24	16	17	18	19	20	21	22
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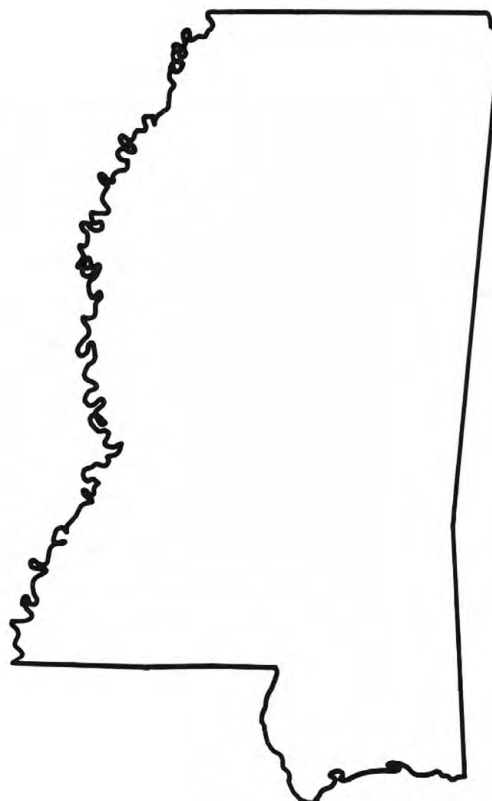
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JANUARY							FEBRUARY							MARCH						
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13	14	15	16	17	18	19	10	11	12	13	14	15	16	10	11	12	13	14	15	16
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APRIL							MAY							JUNE						
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7	8	9	10	11	12	13	5	6	7	8	9	10	11	2	3	4	5	6	7	8
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14	15	16	17	18	19	20	11	12	13	14	15	16	17	15	16	17	18	19	20	21
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28	29	30	31				25	26	27	28	29	30	31	29	30					



Water Resources Data Mississippi Water Year 1991

by M.L. Plunkett, F. Morris III, and W.T. Oakley



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT MS-91-1
Prepared in cooperation with the Mississippi Department of
Environmental Quality and with other State, county,
municipal, and Federal agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

MANUEL LUJAN, JR., Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

For information on
the water program in Mississippi
write to:

District Chief, Water Resources Division
U.S. Geological Survey
100 W. Capitol Street, Suite 710
Jackson, Mississippi 39269

1992

PREFACE

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

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

W.T. Baldwin	P.E. Grantham	J.A. Powell
S.H. Bishop	D.A. Hosey	B.R. Richards
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This report was prepared in cooperation with the State of Mississippi and with other agencies under the general supervision of Gerald L. Ryan, District Chief, Mississippi.

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16. Abstract (Limit: 200 words) Water resources data for the 1991 water year for Mississippi consist of records of stage, discharge, and water quality of streams; stage, and water quality of lakes and reservoirs; and water levels and water quality of ground-water wells. This report contains records of water discharge at 80 gaging stations; stage records for 19 of these gaging stations; stage only at 6 gaging stations; water quality for 22 streamflow gaging stations, 2 ungaged stream sites, 149 wells and 5 precipitation quality stations; and water levels for 241 observation wells. Also included are peak-discharge data for 55 crest-stage partial-record stations, and discharge data at 7 flood hydrograph partial-record stations, and water quality data at 8 partial-record or miscellaneous sites and 59 short-term study sites. Locations of these sites are shown on Figures 4-6. 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.				
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[Letter after station name designates type of data: (d) discharge, (g) gage height, (c) chemical, (m) microbiological, (t) water temperature, (s) sediment, (r) radiochemical, (p) pesticide, (f) field values; temperature, pH, dissolved-oxygen, specific conductance]

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WATER RESOURCES DATA - MISSISSIPPI, 1991

INTRODUCTION

The Water Resources Division for the U.S. Geological Survey, in cooperation with State agencies, obtains a large amount of data pertaining to the water resources of Mississippi each water year. These data, accumulated during many water years, constitute a valuable data base for developing an improved understanding of the water resources of the State. To make these data readily available to interested parties outside the Geological Survey, the data are published annually in this report series entitled "Water Resources Data - Mississippi."

This report includes records on both surface and ground water in the State. Specifically, it contains: (1) Discharge records for 80 streamflow-gaging stations, stage records for 19 of these gaging stations, stage only at 6 gaging stations, for 113 partial-record or miscellaneous streamflow stations, including 7 flood hydrograph partial-record stations, 55 crest-stage partial-record stations and 51 special study and miscellaneous sites, (2) water-quality records for 22 streamflow-gaging stations, 2 ungaged streamsites, 8 partial-record or miscellaneous sites, 59 short-term study sites, 149 wells, and 5 precipitation-quality stations, and (3) water-level records for 241 observation wells. Records obtained from water-resources investigations are also included in special sections of the report. Records included for stream stages are only a small fraction of those obtained during the water year.

This series of annual reports for Mississippi began with the 1961 water year with a report that contained only data relating to the quantities of surface water. For the 1964 water year, a similar report was introduced that contained only data relating to water quality. Beginning with the 1975 water year, the report format was changed to present, in one volume, data on quantities of surface water, quality of surface and ground water, and ground-water levels.

Prior to introduction of this series and for several water years concurrent with it, water-resources data for Mississippi were published in U.S. Geological Survey Water-Supply Papers. Data on stream discharge and stage and on lake or reservoir contents and stage, through September 1960, were published annually under the title "Surface-Water Supply of the United States, Parts 2B, 3B and 7". For the 1961 through 1970 water years, the data were published in two 5-year reports. Data on chemical quality, temperature, and suspended sediment for the 1941 through 1970 water years were published annually under the title "Quality of Surface Waters of the United States," and water levels for the 1935 through 1974 water years were published under the title "Ground-Water Levels in the United States." The above mentioned Water-Supply Papers may be consulted in the libraries of the principal cities of the United States and may be purchased from Distribution Branch, Text Products Section, U.S. Geological Survey, 604 South Pickett Street, Alexandria, VA 22304.

Publications similar to this report are published annually by the Geological Survey for all States. These official Survey reports have 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 volume is identified as "U.S. Geological Survey Water-Data Report MS-91-1." For archiving and general distribution, the reports for 1971-74 water years also are identified as water-data reports. These water-data reports are for sale in paper copy or in microfiche by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161. Beginning with the 1990 water year, all water-data reports will also be available on Compact Disc - Read Only Memory (CD-ROM). All data reports published for the current water year for the entire Nation, including Puerto Rico and the Trust Territories, will be reproduced on a single CD-ROM disc.

Additional information, including current prices, for ordering specific reports may be obtained from the District Chief at the address given on back of title page or by telephone (601) 965-4600. A limited number of CD-ROM discs will be available for sale by the Books and Open-File Reports Section, U.S. Geological Survey, Federal Center, Box 25425, Denver, Colorado 80225.

COOPERATION

The U.S. Geological Survey and agencies of the State of Mississippi have had cooperative agreements for the systematic collection of streamflow records since 1931, for ground-water levels since 1939, and for water-quality records since 1964, and for atmospheric precipitation-quality since 1982. In addition, data for water-resources investigations have been collected. Organizations that assisted in the collection of data through cooperation with the Survey are:

Mississippi Department of Environmental Quality, James I. Palmer, Jr., Executive Director.
Office of Land and Water Resources, Charles T. Branch, Director.
Office of Pollution Control, Charles H. Chisolm, Director.
Office of Geology, Cragin Knox, Director.
Mississippi State Highway Department, John R. Tabb, Director.
Mississippi Department of Agriculture and Commerce, Jack D. Coley, Director.
Pat Harrison Waterway District, Herlon D. Pierce, Executive Director.
Pearl River Basin Development District, Mike Davis, Executive Vice President.
Pearl River Valley Water Supply District, Charles E. Moak, General Manager.
Yazoo Mississippi Delta Joint Water Management District, Dean Pennington, Executive Director.
Harrison County Board of Supervisors, Bobby Eleuterius, President.
Harrison County Development Commission, Michael J. Olivier, Executive Director.
Jackson County Board of Supervisors, Carroll L. Clifford III, President.
Jackson County Port Authority, Johnny S. Tillman, President.
City of Jackson, Kane Ditto, Mayor.

Assistance with funds or services was provided by the U. S. Army Corps of Engineers in collecting records for 54 streamflow-gaging stations, 5 crest-stage gages, and 57 surface-water quality sites; and by the National Aeronautics and Space Administration in collecting records for 2 precipitation quality sites published in this report.

Organizations that provided data are acknowledged in station descriptions.

SUMMARY OF HYDROLOGIC CONDITIONS

Streamflow

Annual mean streamflow was above normal in most streams in Mississippi during the 1991 water year. Comparisons of monthly mean and annual mean discharges in the 1991 water year with median values for the period 1951-80 were made for three representative gaging stations: Tombigbee River at Columbus Lock and Dam near Columbus, in northeastern Mississippi, Big Black River near Bovina, in central Mississippi, and Pascagoula River at Merrill, in southeastern Mississippi. The monthly mean discharges at these sites generally were within the normal range (± 25 percent of the median for the reference period 1951-80) in November, January, March, July and August, below normal in October, and above normal for the rest of the year.

Runoff of the Tombigbee River at Columbus Lock and Dam near Columbus was 48.85 inches for the water year, or 259 percent of the median annual runoff of 18.89 inches for the reference period 1951-80. Discharge was above normal in the months of December, February, April through June and September, when the monthly mean discharges were 463, 280, 284, 823, 394, and 160 percent of the median monthly means, respectively, for the reference period. Monthly mean discharges for other months were within the normal range. The monthly mean discharge recorded in May was the highest recorded at this site since the beginning of record in 1899.

Runoff of the Pascagoula River at Merrill was 28.62 inches for the water year, or 148 percent of the median annual runoff for the reference period (19.37 inches). Discharge was above normal in the months of February and May through July when the monthly mean discharges were 138, 558, 571 and 246 percent of the median monthly means, respectively, for the reference period. Discharge was below normal in the months of October and December when the monthly mean discharges were 56 and 47 percent of the median monthly means, respectively, for the reference period. Monthly mean discharges for other months were within the normal range. The monthly mean discharges recorded in May and June were the highest recorded at this site since the beginning of record in 1930.

Runoff of the Big Black River near Bovina was 33.82 inches for the water year, or 211 percent of the median annual runoff for the reference period (16.04 inches). Discharge was above normal in the months of December, January, April through June, and September when the monthly mean discharges were 264, 219, 299, 612, 424, and 233 percent of the median monthly means, respectively, for the reference period. Discharge was below normal in October and November when the monthly mean discharges were 35 and 51 percent of the median monthly means for the reference period. Monthly mean discharges for other months were within the normal range.

Streamflow Quality

The surface-water quality of most of Mississippi's 15,622 miles of rivers fully or partially supports designated uses. Major causes of impaired water quality during water year 1991 were nonpoint agricultural runoff; lesser causes were industrial and municipal point-source discharges and runoff from nonagricultural nonpoint sources (Larry J. Slack, U.S. Geological Survey, oral commun., March 19, 1992).

The surface-water quality in Mississippi generally did not change appreciably during water year 1991 compared to that of previous years. Dissolved-solids concentrations are low in water from most streams in Mississippi. Concentrations generally were less than 100 mg/L (milligrams per liter) in most streams in the State, except for the Mississippi River where dissolved-solids concentrations ranged from 182 to 240 mg/L. The ranges and median values of dissolved-solids concentrations during water year 1991 generally were similar to the ranges and median values during water years 1987-89 for four National Stream Quality Accounting Network stations on major streams that drain the interior of the State, as shown in the following table.

	Dissolved-solids concentration, in milligrams per liter					
	Water year 1991			Water years 1987-89		
	Minimum	Median	Maximum	Minimum	Median	Maximum
Pascagoula River near Benndale	47	77	98	32	72	165
Yazoo River at Redwood	35	44	58	43	70	163
Big Black River near Bovina	56	76	129	42	82	152
Homochitto River at Rosetta	40	46	53	42	56	69

Dissolved-oxygen concentrations in streams were generally greater than 5.0 mg/L and were lowest during the summer months when stream temperatures were high and flow velocities were low. Values for dissolved-oxygen concentrations generally were slightly lower during water year 1991 than during water years 1987-89, as shown in the following table.

	Dissolved-oxygen concentration, in milligrams per liter					
	Water year 1991			Water years 1987-89		
	Minimum	Median	Maximum	Minimum	Median	Maximum
Pascagoula River near Benndale	6.7	7.0	10.0	6.6	8.1	10.2
Yazoo River at Redwood	6.3	7.8	8.5	4.8	7.6	11.5
Big Black River near Bovina	6.5	7.5	9.3	5.2	7.8	10.0
Homochitto River at Rosetta	7.0	7.6	8.4	5.6	8.1	11.0

Determinations of pH at the index stations indicate that most streams were slightly acidic at times and that the pH generally was lowest in the southern part of the State. Values of pH during water year 1991 were quite similar to those during water years 1987-1989, as shown by the following table.

	pH, in standard units					
	Water year 1991			Water years 1987-89		
	Minimum	Median	Maximum	Minimum	Median	Maximum
Pascagoula River near Benndale	6.4	6.7	7.1	5.8	6.9	7.2
Yazoo River at Redwood	6.6	7.0	7.6	6.6	7.4	7.8
Big Black River near Bovina	6.6	7.1	7.4	6.7	7.1	7.6
Homochitto River at Rosetta	6.1	6.6	7.2	6.6	6.8	7.1

Ground-Water Levels

Ground-water levels in most artesian aquifers statewide continued long-term declines in the latter part of the 1991 water year following seasonal water-level recoveries during the early part of the year. Fluctuations of ground-water levels in representative observation wells are shown in the hydrographs in figure 1.

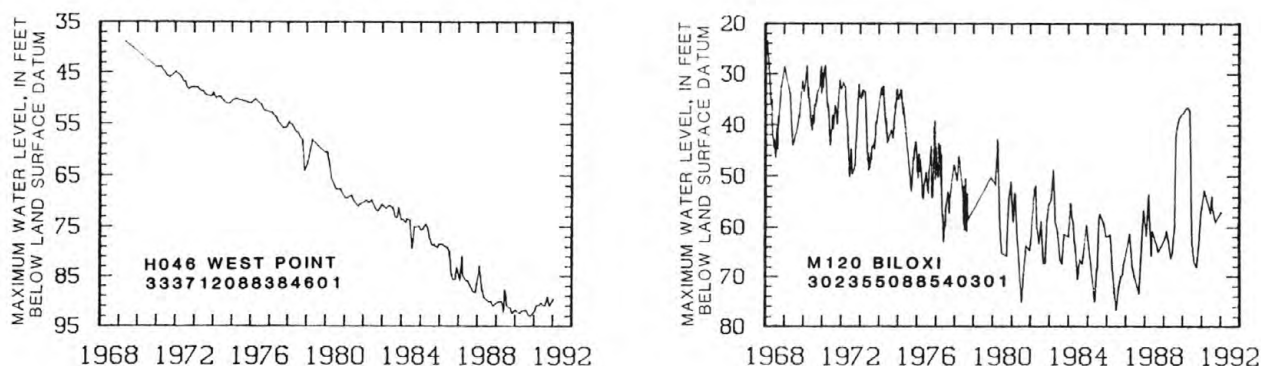


Figure 1.--Hydrographs of wells in the Gordo Formation at West Point and the Graham Ferry Formation at Biloxi.

In wells screened in deposits of Miocene age in southern Mississippi, water levels generally declined 1 to 2 feet during the water year. In wells screened in the Graham Ferry Formation along the Gulf Coast, water levels generally declined less than 2 feet. Water-level declines in the shallow Citronelle aquifer in southern Mississippi were generally less than 1 foot.

In central Mississippi, water levels in the Cockfield Formation, Sparta Sand, and Meridian-upper Wilcox aquifers declined about 2 feet in many areas. Record low water levels were measured in several wells in the Cockfield and Sparta aquifers in the Jackson area. Water levels in smaller domestic wells screened in the Vicksburg Group and Forest Hill Sand generally declined about 1 foot.

In northern Mississippi, water levels in the Wilcox and upper Cretaceous aquifers declined 1 to 2 feet. At Tupelo in northeastern Mississippi, where large demands on ground water from the Eutaw-McShan and Tuscaloosa aquifer are common, water levels declined about 4 feet. Record low levels were established at a number of sites.

Water levels in the Sparta aquifer system, Winona-Tallahatta Formation, and lower Wilcox aquifers in northwestern Mississippi declined about 1 to 2 feet in most wells but exceeded that in some wells affected by pumping.

Water levels in the Mississippi River valley alluvial aquifer in northwestern Mississippi declined in response to seasonal withdrawals for irrigation and fish farming throughout much of the area commonly known as the Delta. Although, significant seasonal declines were recorded, water levels at the end of the water year were 1 to 3 feet above levels measured last year.

Precipitation Quality

Chemical analysis of atmospheric precipitation at three sites in southern Mississippi indicate that the specific conductance of precipitation ranged from less than 5 uS/cm (microsiemens per centimeter) to as much as 49 uS/cm. The specific conductance of precipitation ranged from 4.7 to 48 uS/cm at the John C. Stennis Space Center near Bay St. Louis on the Mississippi Gulf Coast, from 4.8 to 49 uS/cm at the site near Janice in Perry County, and from 4.6 to 24 uS/cm at a site near Rosetta in Wilkinson County. The dissolved solids in the precipitation at both sites were those that are commonly found in the geohydrologic environment. Of the common constituents, sulfate generally was present in highest concentrations.

The pH of precipitation generally was less than 5.0 standard units at all sites. At the site near Bay St. Louis the pH of precipitation ranged from 4.0 to 5.6 units and had a median pH value of 4.7 units. Near Janice the pH ranged from 4.0 to 6.8 units and the median value was 4.8 units. The pH ranged from 4.4 to 6.0 units and the median value was 4.9 units at the station near Rosetta.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Bench-Mark Network is a network of 57 sites in small drainage basins around the country whose purpose is to provide consistent data on the hydrology, including water quality, and related factors in representative undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by the activities of man.

National Stream-Quality Accounting Network (NASQAN) is a nationwide data-collection network designed by the U.S. Geological Survey to meet many of the information needs of government agencies and other groups involved in natural or regional water-quality planning and management. There are approximately 500 sites in NASQAN, which are generally located at the downstream ends of hydrologic accounting units designated by the U.S. Geological Survey Office of Water Data Coordination in consultation with the Water Resources Council. The objectives of NASQAN are (1) to obtain information on the quality and quantity of water moving within and from the United States through a systematic and uniform process of data collection, summarization, analysis, and reporting such that the data may be used for, (2) description of the areal variability of water quality in the Nation's rivers through analysis of data from this and other programs, (3) detection of changes or trends with time in the pattern of occurrence of water-quality characteristics, and (4) providing a nationally consistent data base useful for water-quality assessment and hydrologic research.

The National Trends Network (NTN) is a 150-station network for sampling atmospheric deposition in the United States. The purpose of the network is to determine the variability, both in location and in time, of the composition of atmospheric deposition, which includes snow, rain, dust particles, aerosols, and gases. The core from which the NTN was built was the already existing deposition-monitoring network of the National Atmospheric Deposition Program (NADP).

Radiochemical Program is a network of regularly sampled water-quality stations where samples are collected to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

Tritium Network is a network of stations which has been established to provide baseline information on the occurrence of tritium in the Nation's surface waters. In addition to the surface-water stations in the network, tritium data are also obtained at a number of precipitation stations. The purpose of the precipitation stations is to provide an estimate sufficient for hydrologic studies of the tritium input to the United States.

EXPLANATION OF THE RECORDS

The surface-water and ground-water records published in this report are for the 1991 water year that began October 1, 1990, and ended September 30, 1991. A calendar of the water year is provided on the inside of the front cover. The records contain streamflow data, stage and content data for lakes and reservoirs, water-quality data for surface and ground water, and ground-water-level data. The locations of the stations and wells where the data were collected are shown in figures 4, 5, and 6. The following sections of the introductory text are presented to provide users with a more detailed explanation of how the hydrologic data published in this report were collected, analyzed, computed, and arranged for presentation.

Station Identification Numbers

Each data station, whether streamsite or well, in this report is assigned a unique identification number. The number usually is assigned when a station is first established and is retained for that station indefinitely. The systems used by the U.S. Geological Survey to assign identification numbers for surface-water stations and for ground-water well sites differ, but both are based on geographic location. The "downstream order" system is used for regular surface-water stations and the "latitude-longitude" system is used for wells.

Downstream Order System

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 mainstream station are listed before that station. A station on a tributary that enters between two mainstream 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 with respect to the stream to which it is immediately tributary is indicated by an indentation in the "List of Stations" in the front of this report. Each indentation represents one rank. This downstream order and system of indentation shows which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

The station-identification number is assigned according to downstream order. 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 eight-to-fourteen digit number for each station, such as 02429900, which appears just to the left of the station name, includes the two-digit Part number "02" plus the six-to-twelve digit downstream-order number "429900". In this report, the records are listed in downstream order by parts. The part number refers to an area whose boundaries coincide with certain natural drainage lines. Records in this report are in Part 2 (South Atlantic slope and eastern Gulf of Mexico basins), Part 3 (Ohio River basin), and Part 7 (Lower Mississippi River basin). All records for a drainage basin encompassing more than one state can be arranged in downstream order by assembling pages from the various state reports by station number to include all records in that basin.

Latitude-Longitude System

The identification numbers for wells, miscellaneous surface-water quality sites, and precipitation quality sites are assigned according to the grid system of latitude and longitude. The number consists of 15 digits. The first six digits denote the degrees, minutes, and seconds of latitude, the next seven digits denote degrees, minutes, and seconds of longitude, and the last two digits (assigned sequentially) identify the wells or other sites within a 1-second grid. This site-identification number, once assigned, is a pure number and has no locational significance. In the rare instance where the initial determination of latitude and longitude are found to be in error, the station will retain its initial identification number, however, its true latitude and longitude will be listed in the LOCATION paragraph of the station description. See figure 2 below.

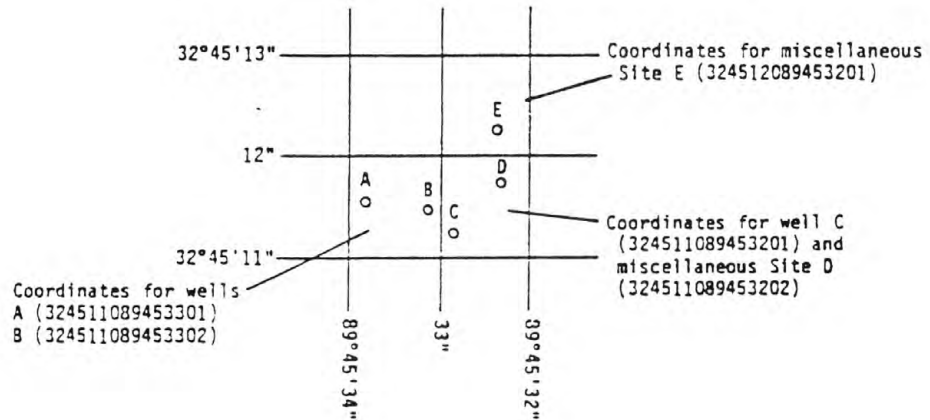


Figure 2.--System for numbering wells and miscellaneous sites (latitude and longitude).

Records of Stage and Water Discharge

Records of stage and water discharge may be complete or partial. Complete records of discharge are those obtained using a continuous stage-recording device through which either instantaneous or mean daily discharges may be computed for any time, or any period of time, during the period of record. Complete records of lake or reservoir content, similarly, are those for which stage or content may be computed or estimated with reasonable accuracy for any time, or period of time. They may be obtained using a continuous stage-recording device, but need not be. Because daily mean discharges and end-of-day contents commonly are published for such stations, they are referred to as "daily stations."

By contrast, partial records are obtained through discrete measurements without using a continuous stage-recording device, and pertain only to a few flow characteristics, or perhaps only one. The nature of the partial record is indicated by table titles such as "Crest-stage partial records," or "Low-flow partial records." Records of miscellaneous discharge measurements or of measurements from special studies, such as low-flow seepage studies, may be considered as partial records, but they are presented separately in this report. Location of all complete-record and crest-stage partial-record stations for which data are given in this report are shown in figures 4 and 5.

Data Collection and Computation

The data obtained at a complete-record gaging station on a stream or canal consist of a continuous record of stage, individual measurements of discharge throughout a range of stages, and notations regarding factors that may affect the relationships between stage and discharge. These data, together with supplemental information, such as weather records, are used to compute daily discharges. The data obtained at a complete-record gaging station on a lake or reservoir consist of a record of stage and of notations regarding factors that may affect the relationship between stage and lake content. These data are used with stage-area and stage-capacity curves or tables to compute water-surface areas and lake storage.

Continuous records of stage are obtained with analog recorders that trace continuous graphs of stage or with digital recorders that punch stage values on paper tapes at selected time intervals. Measurements of discharge are made with current meters using methods adopted by the Geological Survey as a result of experience accumulated since 1880. These methods are described in standard textbooks, in Water-Supply Paper 2175, and in U.S. Geological Survey Techniques of Water-Resources Investigations, Book 3, Chapter A6.

In computing discharge records, results of individual measurements are plotted against the corresponding stages, and stage-discharge relation curves are then constructed. From these curves, rating tables indicating the approximate discharge for any stage within the range of the measurements are prepared. If it is necessary to define extremes of discharge outside the range of the current-meter measurements, the curves are extended using: (1) logarithmic plotting, (2) velocity-area studies, (3) results of indirect measurements of peak discharge, such as slope area or contracted-opening measurements, and computations of flow over dams or weirs, or (4) step-backwater techniques.

Daily mean discharges are computed by applying the daily mean stages (gage heights) to the stage-discharge curves or tables. 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 determined by the shifting-control method, in which correction factors based on the individual discharge measurements and notes of the personnel making the measurements are applied to the gage heights before the discharges are determined from the curves or tables. This shifting-control method also is used if the stage-discharge relation is changed temporarily because of aquatic growth or debris on the control. For some stations, formation of ice in the winter may so obscure the stage-discharge relations that daily mean discharges must be estimated from other information such as temperature and precipitation records, notes of observations, and records for other stations in the same or nearby basins for comparable periods.

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

In computing records of lake or reservoir contents, it is necessary to have available from surveys, curves or tables defining the relationship of stage and content. The application of stage to the stage-content curves or tables gives the contents from which daily, monthly, or yearly changes then are determined. If the stage-content relationship changes because of deposition of sediment in a lake or reservoir, periodic resurveys may be necessary to redefine the relationship. Even when this is done, the contents computed may become increasingly in error as the lapsed time since the last survey increases. Discharges over lake or reservoir spillways are computed from stage-discharge relationships much as other stream discharges are computed.

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 from the recorded range in stage, previous or following record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Likewise, daily contents may be estimated from operator's logs, previous or following record, inflow-outflow studies, and other information. Information explaining how estimated daily-discharge values are identified in station records is included in the next two sections, "Data Presentation" (REMARKS paragraph) and "Identifying Estimated Daily Discharge."

Data Presentation

The records published for each gaging station consist of two parts, the manuscript or station description and the data table for the current water year. The manuscript provides, under various headings, descriptive information, such as station location, period of record, discharge, historical extremes, record accuracy, and other remarks pertinent to station operation and regulation. The following information, as appropriate, is provided with each continuous record of discharge or lake content. Comments to follow clarify information presented under the various headings of the station description.

LOCATION.--Information on locations is obtained from the most accurate maps available. The location of the gage with respect to the cultural and physical features in the vicinity and with respect to the reference place mentioned in the station name is given. River mileages, given for only a few stations, were determined by methods given in "River Mileage Measurement," Bulletin 14, Revision of October 1968, prepared by the Water Resources Council or were provided by the U.S. Army Corps of Engineers.

DRAINAGE AREA.--Drainage areas are measured using the most accurate maps available. Because the type of maps available varies from one drainage basin to another, the accuracy of drainage areas likewise varies. Drainage areas are updated as better maps become available.

PERIOD OF RECORD.--This indicates the period for which there are published records for the station or for an equivalent station. An equivalent station is one that was in operation at a time that the present station was not and whose location was such that records from it can reasonably be considered equivalent with records from the present station.

REVISED RECORDS.--Published records, because of new information, occasionally are found to be incorrect, and revisions are printed in later reports. Listed under this heading are all the reports in which revisions have been published for the station and the water years to which the revisions apply. If a revision did not include daily, monthly, or annual figures of discharge, that fact is noted 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 most recently revised figure was first published is given.

GAGE.--The type of gage in current use, the datum of the current gage referred to National Geodetic Vertical Datum of 1929 (see definition of terms), and a condensed history of the types, locations, and datums of previous gages are given under this heading.

REMARKS.--All periods of estimated daily-discharge record will either be identified by date in this paragraph of the station description for water-discharge stations or flagged in the daily-discharge table. (See next section, "Identifying Estimated Daily Discharge.") If a remarks statement is used to identify estimated record, the paragraph will begin with this information presented as the first entry. The paragraph is also used to present information relative to the accuracy of the records, to special methods of computation, to conditions that affect natural flow at the station and, possibly, to other pertinent items. For reservoir stations, information is given on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir.

COOPERATION.--Records provided by a cooperating organization or obtained for the U.S. Geological Survey by a cooperating organization are identified here.

AVERAGE DISCHARGE.--The discharge value given is the arithmetic mean of the water-year mean discharges. It is computed only for stations having at least 5 water years of complete record, and only water years of complete record are included in the computation. It is not computed for stations where diversions, storage, or other water-use practices cause the value to be meaningless. If water developments significantly altering flow at a station are put into use after the station has been in operation for a period of years, a new average is computed as soon as 5 water years of record have accumulated following the development. The median of yearly mean discharges also is given under this heading for stations having 10 or more water years of record if the median differs from the average given by more than 10 percent.

EXTREMES FOR PERIOD OF RECORD.--Extremes may include maximum and minimum stages and maximum and minimum discharges or content. Unless otherwise qualified, the maximum discharge or content is the instantaneous maximum corresponding to the highest stage that occurred. The highest stage may have been obtained from a graphic or digital recorder, a crest-stage gage, or by direct observation of a nonrecording gage. If the maximum stage did not occur on the same day as the maximum discharge or content, it is given separately. Similarly, the minimum is the instantaneous minimum discharge, unless otherwise qualified, and was determined and is reported in the same manner as the maximum.

EXTREMES OUTSIDE PERIOD OF RECORD.--Included here is information concerning major floods or unusually low flows that occurred outside the stated period of record. The information may or may not have been obtained by the U.S. Geological Survey.

EXTREMES FOR CURRENT YEAR.--Extremes given here are similar to those for the period of record, except the peak discharge listing may include secondary peaks. For stations meeting certain criteria, all peak discharges and stages occurring during the water year and equal to or greater than a selected base discharge are presented under this heading. The peaks equal to or greater than the base discharge, excluding the highest one, are referred to as secondary peaks. Peak discharges are not published for canals, ditches, drains, or streams for which the peaks are subject to substantial control by man. The time of occurrence for peaks is expressed in 24-hour local standard time. For example, 12:30 a.m. is 0030, and 1:30 p.m. is 1330. The minimum for the current water year appears below the table of peak data.

REVISIONS.--If a critical error in published records is discovered, a revision is included in the first report published following discovery of the error.

Although rare, occasionally the records of a discontinued gaging station may need revision. Because, for these stations, there would be no current or, possibly, future station manuscript published to document the revision in a "Revised Records" entry, users of data for these stations who obtained the record from previously published data reports may wish to contact the offices whose addresses are given on the back of the title page of this report to determine if the published records were ever revised after the station was discontinued. Of course, if the data were obtained by computer retrieval, the data would be current and there would be no need to check because any published revision of data is always accompanied by revision of the corresponding data in computer storage.

Manuscript information for lake or reservoir stations differs from that for stream stations in the nature of the "Remarks" and in the inclusion of a skeleton stage-capacity table when daily contents are given.

The daily table for stream-gaging stations gives 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 is usually 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 or if the drainage area includes large noncontributing areas. In the yearly summary below the monthly summary, the figures shown are the appropriate discharges for the calendar and water years. At some stations monthly and (or) yearly observed discharges are adjusted for reservoir storage or diversion, or diversions or reservoir contents are given. These figures are identified by a symbol and corresponding footnote.

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 annual maximum stage and discharge at crest-stage stations, and the second is a table of discharge measurements at low-flow partial-record 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. These measurements generally are 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.

Identifying Estimated Daily Discharge

Estimated daily-discharge values published in the water-discharge tables of annual State data reports are identified either by flagging individual daily values with the letter symbol "e" and printing a table footnote, "e Estimated," or by listing the dates of the estimated record in the REMARKS paragraph of the station description.

Accuracy of the Records

The accuracy of streamflow records 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 measurements of stage, measurements of discharge, and interpretation of records.

The accuracy attributed to the records is indicated under "REMARKS." "Excellent" means that about 95 percent of the daily discharges are within 5 percent of their true values, "good," within 10 percent, and "fair," within 15 percent. Records that do not meet the criteria mentioned are rated "poor." Different accuracies may be attributed to different parts of a given record.

Daily mean discharges in this report are given to the nearest hundredth of a cubic foot per second for values less than 1 ft³/s, to the nearest tenth between 1.0 and 10 ft³/s, to whole numbers between 10 and 1,000 ft³/s, and to 3 significant figures for more than 1,000 ft³/s. The number of significant figures used is based solely on the magnitude of the discharge value. The same rounding rules apply to discharges 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 published unless satisfactory adjustments can be made for diversions, for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Other Records Available

Information used in the preparation of the records in this publication, such as discharge-measurement notes, gage-height records, temperature measurements, and rating tables is on file in the District Office of the Mississippi District. Also, most of the daily mean discharges are in computer-readable form and have been analyzed statistically. Information on the availability of the unpublished information or on the results of statistical analyses of the published records may be obtained from the offices whose addresses are given on the back of the title page of this report.

Records of Surface-Water Quality

Records of surface-water quality ordinarily are obtained at or near stream-gaging stations because interpretation of records of surface-water quality nearly always requires corresponding discharge data. Records of surface-water quality in this report may involve a variety of types of data and measurement frequencies.

Classification of Records

Water-quality data for surface-water sites are grouped into one of three classifications. A continuing-record station is a site where data are collected on a regularly scheduled basis. Frequency may be once or more times daily, weekly, monthly, or quarterly. A partial-record station is a site where limited water-quality data are collected systematically over a period of years. Frequency of sampling is usually less than quarterly. A miscellaneous sampling site is a location other than a continuing or partial-record station where random samples are collected to give better areal coverage to define water-quality conditions in the river basin.

A careful distinction needs to be made between "continuing records", as used in this report, and "continuous recordings," which refers to a continuous graph or a series of discrete values punched at short intervals on a paper tape. Some records of water quality, such as temperature and specific conductance, may be obtained through continuous recordings, however, because of costs, most data are obtained only monthly or less frequently. Locations of stations for which records on the quality of surface water appear in this report are shown in figures 4.

Arrangement of Records

Water-quality records collected at a surface-water daily record station are published immediately following that record, regardless of the frequency of sample collection. Station number and name are the same for both records. Where a surface-water daily record station is not available or where the water quality differs significantly from that at the nearby surface-water station, the continuing water-quality record is published with its own station number and name in the regular downstream-order sequence. Water-quality data for partial-record stations and miscellaneous sites and for short-term studies appear in separate tables following the table of discharge measurements at miscellaneous sites.

On-site Measurements and Sample Collection

In obtaining water-quality data, a major concern needs to be assuring that the data obtained represent the in situ quality of the water. To assure this, certain measurements, such as water temperature, pH, and dissolved oxygen, need to be made onsite when the samples are taken. To assure that measurements made in the laboratory also represent the in situ water, carefully prescribed procedures need to be followed in collecting the samples, in treating the samples to prevent changes in quality pending analysis, and in shipping the samples to the laboratory. Procedures for onsite measurements and for collecting, treating, and shipping samples are given in publications on "Techniques of Water-Resources Investigations," Book 1, Chap. D2, Book 3, Chap. C2, Book 5, Chap. A1, A3, and A4. All of these references are listed under "PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS" which appears at the end of the introductory text. Detailed information on collecting, treating, and shipping samples may be obtained from the District Office of the Mississippi District.

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. All samples obtained for the National Stream Quality Accounting Network (see special networks and programs) are obtained from at least several verticals. Whether samples are obtained from the centroid of flow or from several verticals depends on flow conditions and other factors which must be evaluated by the collector.

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 pH (maximum and minimum only), and are based upon hourly punches beginning at 0100 hours and ending at 2400 hours for the day of record. More detailed records (hourly values) may be obtained from the District Office of the Mississippi District whose address is given on the back of the title page of this report.

Water Temperature

Water temperatures are measured at most of the water-quality 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 diurnal temperature change, shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

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

Sediment

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

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided-day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided-day method. For periods when no samples were collected, daily discharges 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 and in predicting long-term sediment-discharge characteristics of the stream.

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

Laboratory Measurements

Sediment samples, samples for biochemical-oxygen demand (BOD), samples for indicator bacteria, and daily samples for specific conductance are analyzed locally. All other samples are analyzed in the Geological Survey laboratory in Arvada, Colorado. Methods used in analyzing sediment samples and computing sediment records are given in TWRI, Book 5, Chap. C1. Methods used by the Geological Survey laboratory are given in TWRI, Book 1, Chap. D2, Book 3, Chap. C2, Book 5, Chap. A1, A3, and A4.

Data Presentation

For continuing-record stations, information pertinent to the history of station operation is provided in descriptive headings preceding the tabular data. These descriptive headings give details regarding location, drainage area, period of record, type of data available, instrumentation, general remarks, cooperation, and extremes for parameters currently measured daily. Tables of chemical, physical, biological, radiochemical data, and so forth, obtained at a frequency less than daily, are presented first. Tables of "daily values" of specific conductance, pH, water temperature, dissolved oxygen, and suspended sediment follow in sequence.

In the descriptive headings, if the location is identical to that of the discharge gaging station, neither the LOCATION nor the DRAINAGE AREA statements are repeated. The following information, as appropriate, is provided with each continuous-record station. Comments that follow clarify information presented under the various headings of the station description.

LOCATION.--See Data Presentation under "Records of Stage and Water Discharge," same comments apply.

DRAINAGE AREA.--See Data Presentation under "Records of Stage and Water Discharge," same comments apply.

PERIOD OF RECORD.--This indicates the periods for which there are published water-quality records for the station. The periods are shown separately for records of parameters measured daily or continuously and those measured less than daily. For those measured daily or continuously, periods of record are given for the parameters individually.

INSTRUMENTATION.--Information on instrumentation is given only if a water-quality monitor temperature record, sediment pumping sampler, or other sampling device is in operation at a station.

REMARKS.--Remarks provide added information pertinent to the collection, analysis, or computation of the records.

COOPERATION.--Records provided by a cooperating organization or obtained for the Geological Survey by a cooperating organization are identified here.

EXTREMES.--Maximums and minimums are given only for parameters measured daily or more frequently. None are given for parameters measured weekly or less frequently, because the true maximums or minimums may not have been sampled. Extremes, when given, are provided for both the period of record and for the current water year.

REVISIONS.--If errors in published water-quality records are discovered after publication, appropriate updates are made to the Water-Quality File in the U.S. Geological Survey's computerized data system, WATSTORE, and subsequently by monthly transfer of update transactions to the U.S. Environmental Protection Agency's STORET system. Because the usual volume of updates makes it impractical to document individual changes in the State data-report series or elsewhere, potential users of U.S. Geological Survey water-quality data are encouraged to obtain all required data from the appropriate computer file to insure the most recent updates.

The surface-water-quality records for partial-record stations and miscellaneous sites and short-term studies are published in separate tables following the table of discharge measurements at miscellaneous sites. No descriptive statements are given for these records. Each station is published with its own station number and name in the regular downstream-order sequence.

Numerical codes have been assigned for agencies collecting and/or analyzing samples. A numerical code will not be given in a water-quality table when the collecting and analyzing agency is the U.S. Geological Survey. The agency codes that may be given in this report are as follows:

300	National Atmospheric Deposition Program/	55555	Individual
	National Trends Network	66666	Driller
810	Corps of Engineers, U.S. Army	80020	U.S. Geological Survey, National Water-
1028	U.S. Geological Survey		Quality Laboratory, Denver, Colorado
1053	National Park Service	81213	U.S. Geological Survey, Water-Quality
3315	Tennessee Valley Authority		Service Unit, Ocala, Florida
9728	Mississippi Department of Health	82213	U.S. Geological Survey, Water-Quality
28001	Mississippi Office of Pollution Control		Service Unit, Baton Rouge, Louisiana
28002	Mississippi Office of Geology	99001	Private Contractor
28003	Mississippi Office of Land and	99999	Other
	Water Resources		

Numerical codes have been assigned to describe the source of the sample and the conditions under which it was collected. A numerical code will not be given in a water-quality table except to describe unusual conditions. The codes that may be given in this report are as follows:

Sample Source	Sampling Condition
1 Well head	0.10 Site was being pumped
5 Flow line	0.11 Site had been pumped recently
8 Tank	0.12 Nearby site tapping
9 Production test	same aquifer was being pumped
16 Casing leak	2 Undesignated
26 Pump	4 Flowing
27 Tap near well	8 Pumping
28 Tap away from well	10 Open hole
30 Pressure tank	15 Bailing
31 Discharge Pipe	26 Production and development test
33 Bailer	27 Production by unknown method
44 Public water supplies (treated water)	30 Seeping
48 Multiple water wells	
1001 Wet deposition	
1003 Landfill	
1004 Cast overburden	
1005 Landfill seep	

Codes have been assigned to qualify each determined value, if necessary. The remark codes that may be given in this report are as follows:

- > Actual value is known to be greater than the value shown
- < Actual value is known to be less than the value shown
- & Biological organism estimated as dominant
- A Average value
- D Biological organism count equal to or greater than 15 percent (dominant)
- E Estimated value
- K Results based on colony count outside the acceptance range (non-ideal colony count)
- L Biological organism count less than 0.5 percent (organism may be observed rather than counted)
- M Presence of material verified but not quantified
- N Presumptive evidence of presence of material
- S Most probable value
- U Material specifically analyzed for but not detected
- V Variance

Records of Ground-Water Levels

Water-level data are intended to provide a sampling and historical record of water-level changes in the Nation's most important aquifers. Locations of the observation wells in Mississippi are shown in figure 6.

Data Collection and Computation

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

Tables of water-level data are presented by counties arranged in alphabetical order. The prime identification number for a given well is the 15-digit number that appears in the upper left corner of the table. The secondary identification number is the local well number, an alphanumeric number, derived from the township-range location of the well.

Water-level records are obtained from direct measurements with a steel tape or from the graph or punched tape of a water-stage recorder. The water-level measurements in this report are given in feet with reference to land-surface datum (lsd). Land-surface datum is a datum plane that is approximately at land surface at each well. If known, the elevation of the land-surface datum 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 to a tenth of a foot or a larger unit.

Data Presentation

Each well record consists of two parts, the station description and the data table of water levels observed during the water year. The description of the well is presented first through use of descriptive headings preceding the tabular data. The comments to follow clarify information presented under the various headings.

LOCATION.--This paragraph follows the well-identification number and reports the latitude and longitude (given in degrees, minutes, and seconds), a landline location designation, the hydrologic-unit number, the distance and direction from a geographic point of reference, and the owner's name.

AQUIFER.--This entry designates by name (if a name exists) and geologic age the aquifer(s) open to the well.

WELL CHARACTERISTICS.--This entry describes the well in terms of depth, diameter, casing depth and/or screened interval, method of construction, use, and additional information such as casing breaks, collapsed screen, and other changes since construction.

INSTRUMENTATION.--This paragraph provides information on both the frequency of measurement and the collection method used, allowing the user to better evaluate the reported water-level extremes by knowing whether they are based on weekly, monthly, or some other frequency of measurement.

DATUM.--This entry describes both the measuring point and the land-surface elevation at the well. The measuring point is described physically (such as top of collar, notch in top of casing, plug in pump base and so on), and in relation to land surface (such as 1.3 ft above land-surface datum). The elevation of the land-surface datum is described in feet above (or below) National Geodetic Vertical Datum of 1929 (NGVD of 1929), it is reported with a precision depending on the method of determination.

REMARKS.--This entry describes factors that may influence the water level in a well or the measurement of the water level. It should identify wells that also are water-quality observation wells, and may be used to acknowledge the assistance of local (non-Survey) observers.

PERIOD OF RECORD.--This entry indicates the period for which there are published records for the well. It reports the month and year of the start of publication of water-level records by the U.S. Geological Survey and the words "to current year" if the records are to be continued into the following year. Periods for which water-level records are available, but are not published by the Geological Survey, may be noted.

EXTREMES FOR PERIOD OF RECORD.--This entry contains the highest and lowest water levels of the period of published record, with respect to land-surface datum, and the dates of their occurrence.

A table of water levels follows the station description for each well. Water levels are reported in feet below land-surface datum and all taped measurements of water level are listed. Water levels above land surface datum are preceded by a minus (-). For wells equipped with recorders, only abbreviated tables are published, generally, only water-level lows are listed for every fifth day and at the end of the month (eom). The highest and lowest water levels of the water year and their dates of occurrence are shown on a line below the abbreviated table. Because all values are not published for wells with recorders, the extremes may be values that are not listed in the table. Missing records are indicated by dashes in place of the water level.

Records of Ground-Water Quality

Records of ground-water quality in this report differ from other types of records in that, for most sampling sites, they consist of only one set of measurements for the water year. The quality of ground water ordinarily changes only slowly, therefore, for most general purposes, one annual sampling, or only a few samples taken at infrequent intervals during the year, is sufficient. Frequent measurement of the same constituents is not necessary unless one is concerned with a particular problem, such as monitoring for trends in nitrate concentration. In the special cases where the quality of ground water may change more rapidly, more frequent measurements are made to identify the nature of the changes.

Data Collection and Computation

The records of ground-water quality in this report were obtained mostly as a part of special studies in specific areas. Consequently, a number of chemical analyses are presented for some counties but none are presented for others. As a result, the records for this year, by themselves, do not provide a balanced view of ground-water quality Statewide. Such a view can be attained only by considering records for this year in context with similar records obtained for these and other counties in earlier years.

Most methods for collecting and analyzing water samples are described in the "U.S. Geological Survey Techniques of Water-Resources Investigations" manuals listed at the end of the introductory text. The values reported in this report represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. All samples were obtained by trained personnel. The wells sampled were pumped long enough to assure that the water collected came directly from the aquifer and had not stood for a long time in the well casing where it would have been exposed to the atmosphere and to the material, possibly metal, comprising the casings.

Data Presentation

The records of ground-water quality are published in a section titled QUALITY OF GROUND WATER immediately following the ground-water-level records. Data for quality of ground water are listed alphabetically by County and are identified by well number. The prime identification number for wells sampled is the 15-digit number derived from the latitude-longitude locations. No descriptive statements are given for ground-water-quality records, however, the well number, depth of well, date of sampling, and other pertinent data are given in the table containing the chemical analyses of the ground water. The REMARK codes listed for surface-water-quality records are also applicable to ground-water-quality records.

ACCESS TO WATSTORE DATA

The U.S. Geological Survey is the principal Federal water-data agency and, as such, collects and disseminates about 70 percent of the water data currently being used by numerous State, local, private, and other Federal agencies to develop and manage our water resources. As part of the Geological Survey's program of releasing water data to the public, a large-scale computerized system has been developed for the storage and retrieval of water data collected through its activities. The National Water Data Storage and Retrieval System (WATSTORE) was established in 1972 to provide an effective and efficient means for the processing and maintenance of water data collected through the activities of the U.S. Geological Survey and to facilitate release of the data to the public. A variety of useful products, ranging from data tables to complex statistical analyses such as Log Pearson Type III, can be produced using WATSTORE. The system resides on the central computer facilities of the U.S. Geological Survey at its National Center in Reston, Virginia, and consists of related files and data bases.

- * Station Header File - Contains descriptive information on more than 440,000 sites throughout the United States and its territories where the U.S. Geological Survey collects or had collected data.
- * Daily Values File - Contains more than 220 million daily values of stream flows, stages, reservoir contents, water temperatures, specific conductances, sediment concentrations, sediment discharges, and ground-water levels.
- * Peak Flow File - Contains approximately 500,000 maximum (peak) streamflow and gage-height values at surface-water sites.
- * Water Quality File - Contains approximately 2 million analyses of water samples that describe the chemical, physical, biological, and radio-chemical characteristics of both surface and ground water.
- * Ground-Water Site Inventory Data Base - Contains inventory data for more than 900,000 wells, springs, and other sources of ground water. The data includes site location, geohydrologic characteristics, well-construction history and one-time field measurements such as water temperature.

In 1976, the U.S. Geological Survey opened WATSTORE to the public for direct access. The signing of a Memorandum of Agreement with the Survey is required to obtain direct access to WATSTORE. The system can be accessed either synchronously or asynchronously. The requester will be expected to pay all computer costs he/she incurs. Direct access may be obtained by contracting:

U.S. Geological Survey
National Water Data Exchange
421 USGS National Center
Reston, Virginia 22092

In addition to providing direct access to WATSTORE, data can be provided in various machine-readable formats on magnetic tape or 5-1/4 inch floppy disk; and, as noted in the introduction, on CD-ROM discs. Beginning with the 1990 water year, all water-data reports will also be available on Compact Disc - Read Only Memory (CD-ROM). All data reports published for the current water year for the entire Nation, including Puerto Rico and the Trust Territories, will be reproduced on a single CD-ROM disc. Information about the availability of specific types of data or products, and user charges, can be obtained locally from each of the Water Resources Division's District Offices. (See address on the back of the title page.) A limited number of CD-ROM discs will be available for sale by the Books and Open-File Reports Section. U.S. Geological Survey, Federal Center, Box 25425, Denver, Colorado 80225.

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, or about 325,000 gallons, or 1,233 cubic meters.

Adenosine triphosphate (ATP) is an organic, phosphate-rich, compound important in the transfer of energy in organisms. Its central role in living cells makes it an excellent indicator of the presence of living material in water. A measure of ATP therefore provides a sensitive and rapid estimate of biomass. ATP is reported in micrograms per liter of the original water sample.

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

Algal growth potential (AGP) is the maximum algal dry weight biomass that can be produced in a natural water sample under standardized laboratory conditions. The growth potential is the algal biomass present at stationary phase and is expressed as milligrams dry weight of algae produced per liter of sample.

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, rodlike, 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.

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

Fecal streptococcal bacteria are bacteria found also in the intestine of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as Gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies within 48 hours at $35^{\circ}\text{C} \pm 1.0^{\circ}\text{C}$ on KF-streptococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

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 that produce colonies with a golden-green metallic sheen within 24 hours when incubated at $35^{\circ}\text{C} \pm 1.0^{\circ}\text{C}$ on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Base flow is fair-weather flow sustained by ground-water discharge.

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 milligram 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 mass 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 105°C for zooplankton and 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 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).

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.

Control structure as used in this report is a structure on a stream or canal that is used to regulate the flow or stage of the stream or to prevent the intrusion of saltwater.

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

Cubic feet per second-day (ft^3/d) is the volume of water represented by a discharge of cubic feet per second for 24 hours. One cubic foot per second for 24 hours is equivalent to 86,400 cubic feet, 1.9835 acre-feet, about 646,000 gallons, or 2,445 cubic meters.

Cubic feet per second per square mile [$\text{ft}^3/\text{s}/\text{mi}^2$]¹ 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.

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.

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

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

Dissolved is that material in a representative water sample which passes through a 0.45 μm membrane filter. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

Dissolved oxygen (DO) The dissolved oxygen content of water in equilibrium with air is a function of atmospheric pressure, and temperature and dissolved-solids concentration of the water. The ability of water to retain oxygen decreases with increasing temperature or dissolved solids, with small temperature changes having the more significant effect. Photosynthesis and respiration may cause diurnal variations in dissolved-oxygen concentration in water from some streams.

Dissolved-solids concentration of water is determined either analytically by the "residue-on-evaporation" method, or mathematically by totaling the concentrations of individual constituents reported in a comprehensive chemical analysis. During the analytical determination of dissolved solids, the bicarbonate (generally a major dissolved component of water) is converted to carbonate. Therefore, in the mathematical calculation of dissolved-solids concentration, the bicarbonate value, in milligrams per liter, is multiplied by 0.492 to reflect the change.

¹Until appropriate changes can be made to the WATSTORE and PRIME computer systems, the unit abbreviations "CFS" and "CFSM" will appear in some computer-generated table headings and summaries.

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 computed as the sum of equivalents of polyvalent cations and is expressed as equivalent calcium carbonate (CaCO_3).

Hydrologic Bench-Mark Network is a network of 57 sites in small drainage basins around the country whose purpose is to provide consistent data on the hydrology, including water quality, and related factors in representative undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by the activities of man.

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 eight-digit number.

Land-surface datum (lsd) is a datum plane that is approximately at land surface at each ground-water observation well.

Measuring point (MP) is an arbitrary permanent reference point from which the distance to the water surface in a well is measured to obtain the water level.

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 substances (MBAS) are apparent detergents. The determination depends on the formation of a blue color when methylene blue dye reacts with synthetic anionic detergent compounds.

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

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

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

National Geodetic Vertical Datum of 1929 (NGVD of 1929¹) is a geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place.

¹The phrase "NGVD of 1929" is abbreviated as "NGVD" in some computer-generated table headings in this report.

National Stream Quality Accounting Network (NASQAN) is a nationwide data-collection network designed by the U.S. Geological Survey to meet many of the information needs of government agencies and other groups involved in natural or regional water-quality planning and management. There are approximately 500 sites in NASQAN, which are generally located at the downstream ends of hydrologic accounting units designated by the U.S. Geological Survey Office of Water Data Coordination in consultation with the Water Resources Council. The objectives of NASQAN are (1) to obtain information on the quality and quantity of water moving within and from the United States through a systematic and uniform process of data collection, summarization, analysis, and reporting such that the data may be used for, (2) description of the areal variability of water quality in the Nation's rivers through analysis of data from this and other programs. (3) detection of changes of trends with time in the pattern of occurrence of water-quality characteristics, and (4) providing a nationally consistent data base useful for water-quality assessment and hydrologic research.

The National Trends Network (NTN) is a 150-station network for sampling atmospheric deposition in the United States. The purpose of the network is to determine the variability, both in location and in time, of the composition of atmospheric deposition, which includes snow, rain, dust particles, aerosols, and gases. The core from which the NTN was built was the already-existing deposition-monitoring network of the National Atmospheric Deposition Program (NADP).

Organism is any living entity.

Organism count/area refers to the number of organisms collected and enumerated in a sample and adjusted to the number per unit area habitat, usually square meter (m²), acre, or hectare. 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 milliliter (mL) or liter (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.

Parameter Code is a 5-digit number used in the U.S. Geological Survey computerized data system, WATSTORE, to uniquely identify a specific constituent. The codes used in WATSTORE are the same as those used in the U.S. Environmental Protection Agency data system, STORET. The Environmental Protection Agency assigns and approves all requests for new codes.

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

Particle size is the diameter, in millimeters (mm), a particle determined by either sieve or sedimentation methods. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube) determine fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling).

Particle-size classification used in this report agrees with recommendations made by the American Geophysical Union Subcommittee on Sediment Terminology. The classification is as follows:

Classification	Size (mm)	Method of analyses
Clay.	0.00024 - 0.004	Sedimentation.
Silt.	.004 - .062	Sedimentation.
Sand.	.062 - 2.0	Sedimentation or sieve.
Gravel.	2.0 - 64.0	Sieve.

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. Most of the organic material is removed and the sample is subjected to mechanical and chemical dispersion before analysis in distilled water. Chemical dispersion is not used for native-water analysis.

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.

Periphyton is the assemblage of microorganisms attached to the living upon submerged solid surfaces. While primarily consisting of algae, they also include bacteria, fungi, protozoa, rotifers, and other small organisms.

Pesticides are chemical compounds used to control undesirable organisms. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides.

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 per milliliter (cells/mL) of sample.

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

Primary productivity is a measure of the rate at which new organic matter is formed and accumulated through photosynthetic and chemosynthetic activity of producer organisms (chiefly, green plants). The rate of primary production is estimated by measuring the amount of oxygen released (oxygen method) or the amount of carbon assimilated by the plants (carbon method).

Milligrams of carbon per area or volume per unit time [$\text{mg C}/(\text{m}^2 \cdot \text{time})$] for periphyton and macrophytes and [$\text{mg C}/(\text{m}^3 \cdot \text{time})$] for phytoplankton are the units for expressing primary productivity. They define the amount of carbon dioxide consumed as measured by radioactive carbon (carbon 14). The carbon 14 method is of greater sensitivity than the oxygen light and dark bottle method, and is preferred for use in unenriched waters. Unit time may be either the hour or day, depending on the incubation period.

Milligrams of oxygen per area or volume per unit time [$\text{mg O}_2/(\text{m}^2 \cdot \text{time})$] for periphyton and macrophytes and [$\text{mg O}_2/\text{m}^3 \cdot \text{time}$] for phytoplankton are the units for expressing primary productivity. They define production and respiration rates as estimated from changes in the measured dissolved-oxygen concentration. The oxygen light and dark bottle method is preferred if the rate of primary production is sufficient for accurate measurements to be made within 24 hours. Unit time may be either the hour or day, depending on the incubation period.

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.

Radiochemical program is a network of regularly sampled water-quality stations where samples are collected to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

Radioisotopes are isotopic forms of an element that exhibit radioactivity. Isotopes are varieties of a chemical element that differ in atomic weight, but are very nearly alike in chemical properties. The difference arises because the atoms of the isotopic forms of an element differ in the number of neutrons in the nucleus. For example: Ordinary chlorine is a mixture of isotopes having atomic weights of 35 and 37, and the natural mixture has an atomic weight of about 35.453. Many of the elements similarly exist as mixtures of isotopes, and a great many new isotopes have been produced in the operation of nuclear devices such as the cyclotron. There are 275 isotopes of the 81 stable elements, in addition to more than 800 radioactive isotopes.

Recoverable from bottom material is the amount of a given constituent that is in solution after a representative sample of bottom material has been digested by a method (usually using an acid or mixture of acids) that results in dissolution of readily soluble substances. Complete dissolution of all bottom material is not achieved by the digestion treatment and thus the determination represents less than the total amount (that is, less than 95 percent) of the constituent in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Return period is the average time interval between occurrences of a hydrological event of a given or greater magnitude, usually expressed in years. May also be called recurrence interval.

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

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

Bed load is the sediment that is transported in a stream by rolling, sliding, or skipping along the bed and very close to it. In this report, bed load is considered to consist of particles in transit within 0.25 ft of the streambed.

Bed-load discharge (tons per day) is the quantity of bed load measured by dry weight that moves past a section as bed load in a given time.

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).

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

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 calculated in units of tons per day as follows: concentration (mg/L) X discharge (ft³/s) X 0.0027.

Suspended-sediment load is a general term that refers to material in suspension. It is not synonymous with either discharge or concentration.

Total-sediment discharge (tons/day) is the rate at which dry mass of sediment passes a section of a stream or is the quantity of sediment, as measured by dry mass or volume, that passes a section during a given time.

Total-sediment load or total load is a term which refers to the total sediment (bed load plus suspended-sediment load) that is in transport. It is not synonymous with total-sediment discharge.

7-day 10-year low flow (7Q10) is the discharge at the 10-year recurrence interval taken from a frequency curve of annual values of the lowest mean discharge for 7 consecutive days (the 7-day low flow).

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

Solute is any substance that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current. It is expressed in microsiemens per centimeter at 25°C. Specific conductance is related to the type and concentration of ions in solution and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in microsiemens). 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 lives.

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 multiplate samplers (made of hardboard) for benthic organism collection, and plexiglass strips for periphyton.

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

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 undissolved material in a water-sediment mixture. It is associated with the material retained on a 0.45-micrometer filter.

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative water-suspended sediment sample that is retained on a 0.45 um membrane filter has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the sample. To achieve comparability of analytical data, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

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

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

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

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:

Kingdon.....	Animal
Phylum.....	Arthropoda
Class.....	Insects
Order.....	Ephemeroptera
Family.....	Ephemeridae
<u>Genus.....</u>	<u>Hexagenia</u>
<u>Species.....</u>	<u>Hexagenia limbata</u>

Thermograph is an instrument that continuously records variations of temperature on a chart. The more general term "temperature recorder" is used in the table headings and refers to any instrument that records temperature whether on a chart, a tape, or any other medium.

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 (T/DAY) is the quantity of substance in solution or suspension that passes a stream section during a 24-hour day.

Total is the total amount of a given constituent in a representative water-suspended sediment sample, regardless of the constituent's physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total". (Note that the word "total" does double duty here, indicating that the sample consists of a water-suspended sediment mixture and that the analytical method determines all of the constituent in the sample.)

Total discharge is the total quantity of any individual constituent, as measured by dry mass or volume, that passes through a stream cross-section per unit of time. This term needs to be qualified, such as "total sediment discharge," "total chloride discharge," and so on.

Total, in bottom material, is the total amount of a given constituent in a representative sample of bottom material. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined.

Total, recoverable, is the amount of a given constituent that is in solution after a representative water-suspended sediment sample has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample. To achieve comparability of analytical data, equivalent digestion procedures are required of all laboratories performing such analyses, because different digestion procedures are likely to produce different analytical results.

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.

Water year in Geological Survey reports dealing with surface-water supply is the 12-month period, October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ending September 30, 1985, is called the "1985 water year."

WDR is used as an abbreviation for "Water-Data Report" in the REVISED RECORDS paragraph to refer to State annual Hydrologic-data reports (WRD was used as an abbreviation for "Water-Resources Data" in reports published prior to 1976).

Weighted average is used in this report to indicate discharge-weighted average. It is computed by multiplying the discharge for a sampling period by the concentrations 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 1976.

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

ADDENDUM

Sulfate analysis: In March 1989 the National Water-Quality Laboratory discovered a bias in the turbidimetric method for sulfate analysis, indicating that values below 75 mg/L have a median positive bias of 2 mg/L above the true value for the period between 1982 and 1989. Sulfate values during this period have not been corrected for this bias.

Trace-element concentrations: Traditionally, dissolved trace-element concentrations have been reported at the microgram per liter (ug/L) level. Recent evidence, mostly from large rivers, indicates that actual dissolved-phase concentrations for a number of trace elements are within the range of 10's to 100's of nanograms per liter (ng/L). Present data above the ug/L level should be viewed with caution. Such data may actually represent elevated environmental concentrations from natural or human causes; however, these data could reflect contamination introduced during sampling, processing, or analysis. To confidently produce dissolved trace-element data with insignificant contamination, the U.S. Geological Survey will begin using new trace-element protocols in the near future.

The U.S. Geological Survey publishes a series of manuals describing procedures for planning and conducting 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) pertains to 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, Books and Open-File Reports Section, Federal Center, Box 25425, Denver, Colorado 80225 (authorized agent of the Superintendent of Documents, Government Printing Office). Prepayment is required. Remittance should be sent by check or money order payable to the U.S. Geological Survey. Prices are not included because they are subject to change. Current prices can be obtained by writing to the above address. When ordering or inquiring about prices for any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations."

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- 3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.
- 3-A7. *Stage measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.
- 3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.
- 3-A9. *Measurement of time of travel in streams by dye tracing*, by F. A. Kilpatrick and J. F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1989. 27 pages.
- 3-A10. *Discharge ratings at gaging stations*, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A10. 1984. 59 pages.

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- 3-A12. *Fluorometric procedures for dye tracing*, by J. F. Wilson, Jr., E. D. Cobb, and F. A. Kilpatrick: USGS--TWRI Book 3, Chapter A12. 1986. 41 pages.
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- 7-C3. *A model for simulation of flow in singular and interconnected channels*, by R. W. Schaffranek, R. A. Baltzer, and D. E. Goldberg: USGS--TWRI Book 7, Chapter C3. 1981. 110 pages.
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- 8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

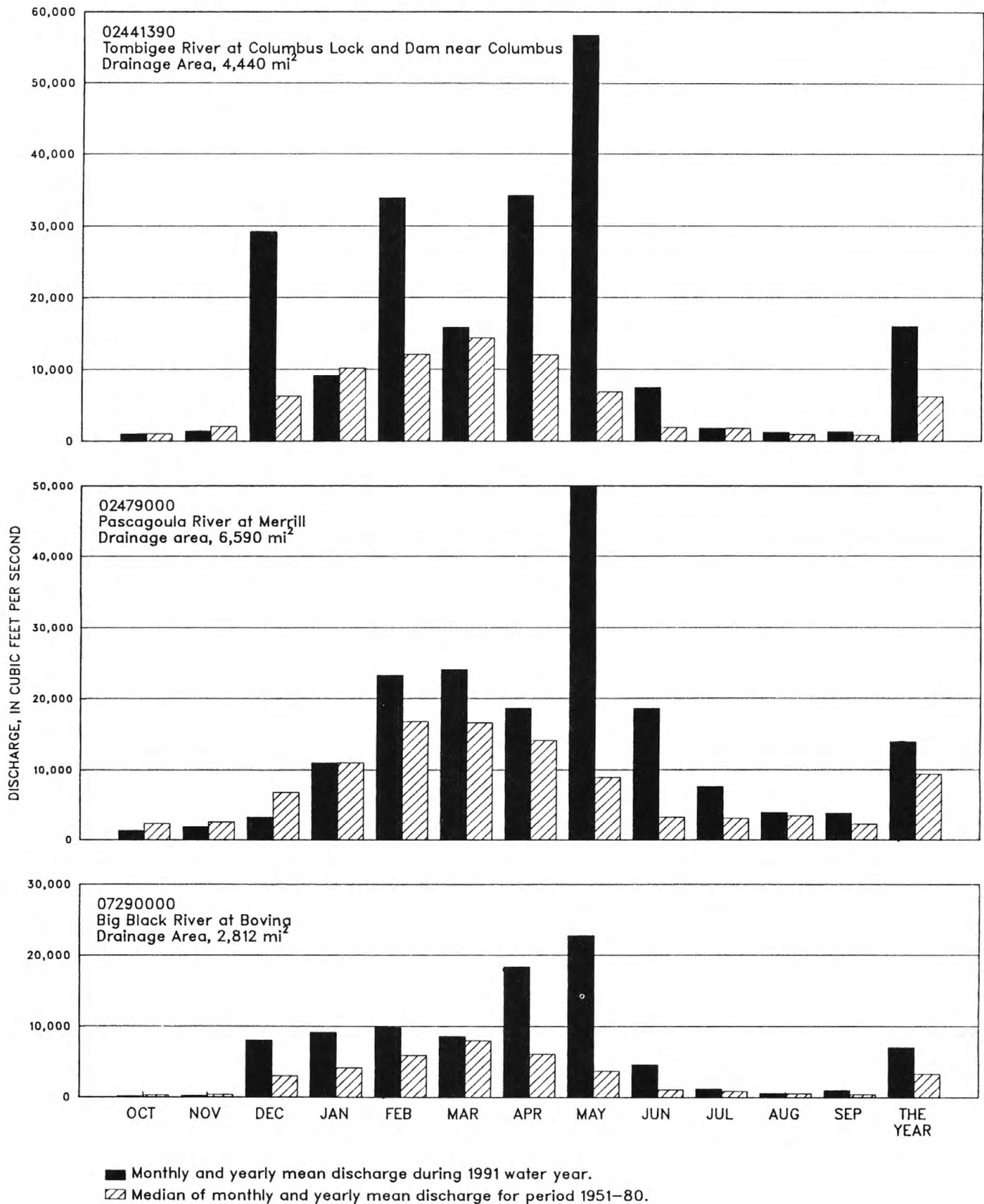
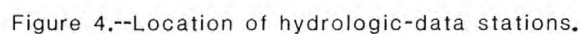


FIGURE 3.—Comparison of discharge during 1991 water year with median discharge for period 1951-80 for three representative gaging stations.



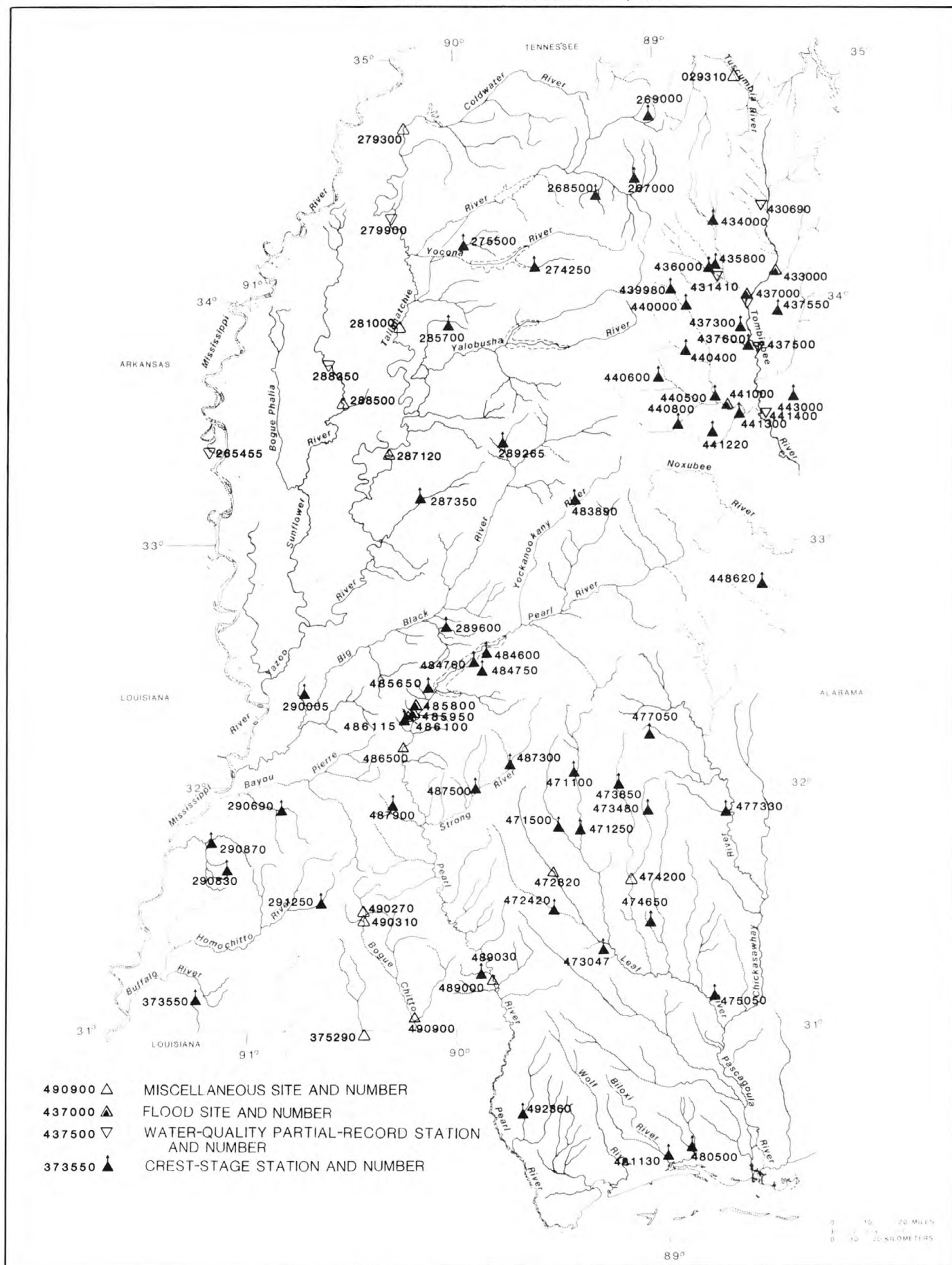


Figure 5.--Location of partial-record stations.

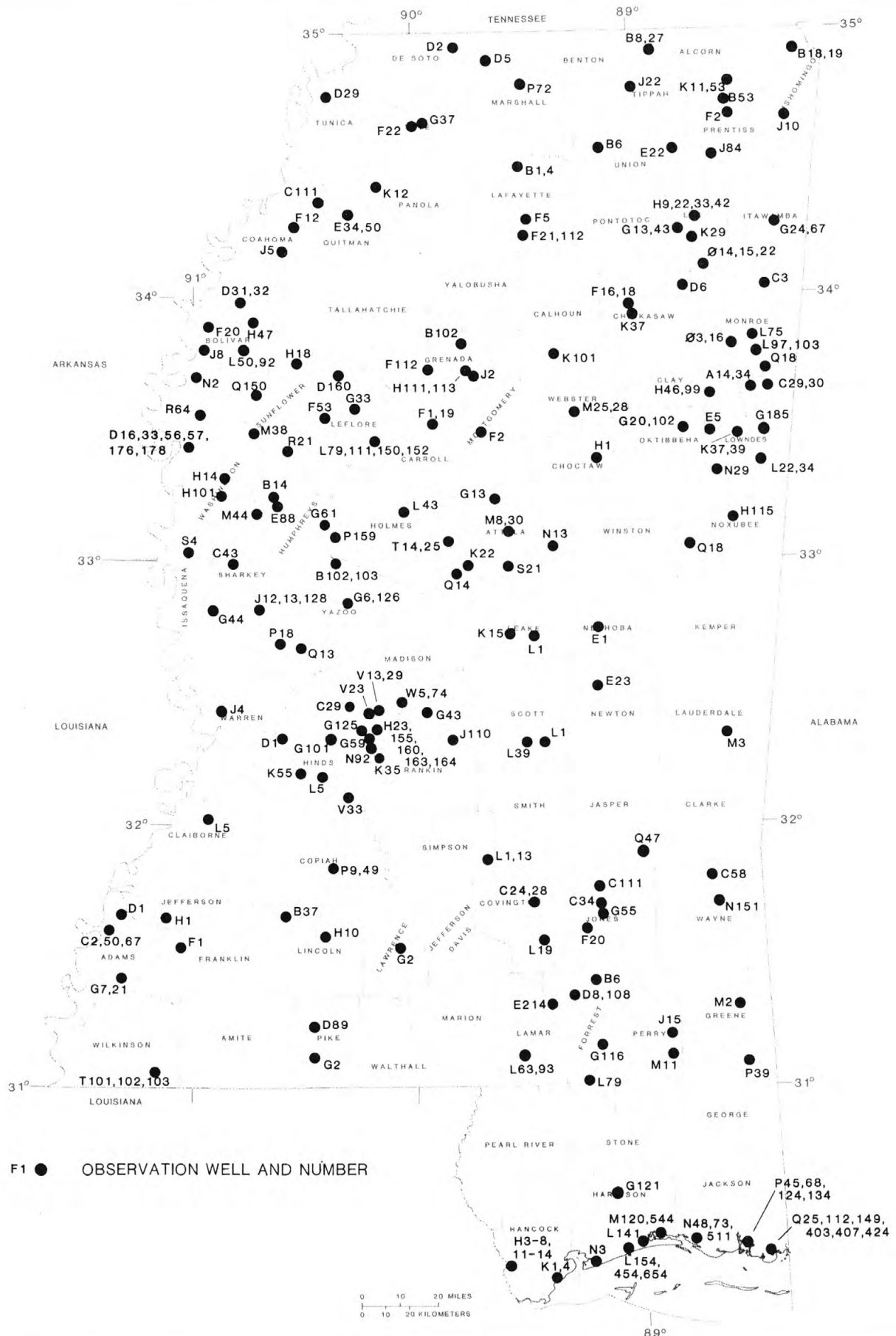


Figure 6.--Location of observation wells.

HYDROLOGIC-DATA STATION RECORDS

EASTERN GULF OF MEXICO BASINS

MOBILE RIVER BASIN

02429900 BIG BROWN CREEK NEAR BOONEVILLE, MS

LOCATION.--Lat 34°37'07", long 88°26'42", SW¼NE¼ sec.27, T.5 S., R.8 E., Chickasaw Meridian, Prentiss County, Hydrologic Unit 03160101, on left bank, near downstream side of bridge on county highway, 0.4 mi downstream from State Highway 30, 2.0 mi upstream from Martin Creek, 7.3 mi east of Booneville, and 13.7 mi upstream from mouth.

DRAINAGE AREA.--27.1 mi².

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1952-56, 1958-60, 1972, annual maximum stages, water years 1951-60, and annual maximum discharge, water years 1961-73. June 1973 to current year.

REVISED RECORDS.--WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 326.56 ft above National Geodetic Vertical Datum of 1929 (levels by Tennessee Valley Authority). Prior to June 1973, crest-stage gage at site 0.4 mi upstream at different datum.

REMARKS.--Estimated daily discharges: Mar. 22-Apr. 18, April 25, May 9-10, June 17,18. Records poor.

AVERAGE DISCHARGE.--18 years, 50.4 ft³/s, 25.26 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,900 ft³/s, Apr. 17, 1970, gage height, 99.97 ft, site and datum then in use, minimum daily, 0.11 ft³/s, Sept. 2, 7, and 8, 1988.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,600 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 18	1645	2040	19.22	May 5	1245	1930	18.94
Apr. 28	1445	1910	18.87	May 12	2115	2320	19.88
Apr. 29	1445	1960	19.02	May 27	0130	*3140	*21.56

Minimum daily discharge, 0.53 ft³/s, Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.61	.96	2.2	67	19	198	100	152	86	26	3.8	2.7
2	.59	.96	2.2	49	19	143	74	105	72	20	3.3	6.4
3	.53	1.0	88	41	19	111	68	105	85	28	3.0	3.4
4	8.4	.58	18	36	20	82	84	314	95	17	3.0	2.6
5	3.1	1.0	6.9	34	39	70	100	1170	55	14	2.8	2.2
6	1.2	1.1	5.0	46	74	70	80	303	49	11	2.6	2.1
7	2.4	.73	4.1	126	39	61	100	143	48	10	2.6	2.2
8	5.6	.65	3.4	61	32	101	150	294	44	10	2.5	19
9	1.9	9.9	3.0	46	30	72	120	623	40	8.8	10	28
10	1.3	13	2.9	103	28	60	90	876	39	8.0	6.0	3.9
11	1.1	2.4	2.8	99	24	62	110	345	41	7.0	4.0	2.7
12	.98	1.3	2.7	62	23	78	100	1290	45	6.4	3.3	2.5
13	.99	1.1	2.9	48	34	90	250	855	42	5.5	2.8	2.2
14	.96	.97	2.9	42	35	62	700	641	44	4.9	2.7	2.1
15	.89	.92	3.2	44	23	55	500	227	36	4.3	2.6	2.1
16	.83	.94	3.8	40	19	51	160	177	45	4.0	2.5	1.8
17	.76	.89	58	34	58	60	120	119	50	4.2	4.5	1.8
18	1.0	.92	68	33	1300	62	100	94	30	6.1	8.1	1.7
19	1.2	.97	30	34	1200	49	150	99	23	19	3.6	1.7
20	.95	.95	53	34	349	50	118	117	20	5.1	2.7	1.6
21	.85	.97	438	29	166	44	97	85	21	3.7	2.6	1.5
22	1.1	1.0	664	28	150	76	89	80	28	3.2	2.5	1.6
23	1.8	1.2	205	28	317	98	83	69	43	2.9	2.5	1.6
24	1.3	1.3	67	27	137	68	69	64	141	5.9	2.3	51
25	1.0	1.2	45	23	100	57	73	372	154	72	2.3	39
26	.93	1.2	36	22	83	52	62	2580	61	15	4.6	7.9
27	.89	1.3	118	24	71	51	125	1910	49	11	3.7	4.0
28	.89	8.6	143	32	64	150	859	311	43	6.8	6.7	3.2
29	.90	4.7	70	27	---	600	1280	205	37	5.5	5.7	2.9
30	.89	2.6	178	28	---	500	336	151	31	4.7	4.1	2.5
31	.95	---	147	21	---	200	---	111	---	4.3	3.2	---
TOTAL	46.79	65.31	2474.0	1368	4472	3483	6347	13987	1597	354.3	116.6	207.9
MEAN	1.51	2.18	79.8	44.1	160	112	212	451	53.2	11.4	3.76	6.93
MAX	8.4	13	664	126	1300	600	1280	2580	154	72	10	51
MIN	.53	.58	2.2	21	19	44	62	64	20	2.9	2.3	1.5
CFSM	.06	.08	2.95	1.63	5.90	4.13	7.82	16.6	1.96	.42	.14	.26
IN.	.06	.09	3.40	1.88	6.14	4.78	8.71	19.20	2.19	.49	.16	.29

CAL YR 1990 TOTAL 19096.05 MEAN 52.3 MAX 1610 MIN .32 CFSM 1.93 IN 26.21
WTR YR 1991 TOTAL 34518.90 MEAN 94.6 MAX 2580 MIN .53 CFSM 3.49 IN 47.38

02429980 POLLARD MILL BRANCH AT PADEN, MS

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

DRAINAGE AREA.--2.01 mi².

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

REVISED RECORDS.--WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder and culvert control. Elevation of gage is 440 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Mar. 10 to Apr. 17. Records good except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--19 years, 6.40 ft³/s, 43.24 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1200 ft³/s, May 26, 1991, gage height, 9.02 ft, from rating extended above 20 ft³/s on basis of computation of peak flow through culvert, minimum, 1.1 ft³/s, July 7, 1980, minimum gage height, 2.32 ft, July 8, 1987.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1200 ft³/s, May 26, gage height, 9.02 ft, minimum daily discharge 2.3 ft³/s, Oct 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	2.9	3.1	6.3	3.9	12	9.6	13	9.1	5.7	4.2	3.6
2	2.6	2.9	5.4	5.7	3.8	7.9	8.2	12	8.6	5.6	4.1	3.6
3	2.7	3.0	19	5.3	3.9	7.9	7.6	11	8.4	5.6	4.3	3.1
4	5.6	3.1	4.8	4.9	3.9	6.8	8.0	13	8.1	5.3	3.6	3.1
5	2.5	3.8	4.0	4.7	5.6	5.7	9.0	23	8.1	5.2	3.7	2.9
6	2.3	3.1	3.9	5.7	5.6	5.4	8.0	14	7.3	5.2	3.5	3.0
7	5.8	3.0	3.5	9.3	4.5	5.1	9.0	12	7.1	5.3	3.5	3.1
8	4.5	3.1	3.5	5.7	4.2	8.2	19	19	7.1	5.2	3.6	4.7
9	3.3	8.1	3.1	5.1	3.9	5.5	15	15	6.8	5.4	4.2	3.7
10	3.0	4.4	3.1	11	3.9	4.6	12	22	6.5	5.4	3.9	2.9
11	2.9	3.6	3.1	7.5	3.9	4.8	14	16	6.6	5.1	3.7	2.9
12	3.1	3.4	3.1	6.1	3.9	6.0	16	33	6.6	4.9	3.5	2.9
13	3.1	3.1	3.1	5.5	4.8	5.6	35	24	6.7	5.0	3.5	2.9
14	3.0	3.1	3.1	5.0	4.2	5.2	32	17	6.5	4.9	3.6	2.8
15	2.9	3.1	3.5	5.1	3.9	5.0	20	16	6.3	4.7	3.5	2.8
16	2.8	3.1	3.5	4.9	3.9	5.5	14	14	7.6	4.7	3.3	2.8
17	2.7	3.1	8.7	4.5	6.5	5.8	12	12	8.0	4.9	3.5	2.7
18	5.2	3.1	8.4	4.3	59	5.5	14	11	6.6	7.1	3.5	2.7
19	3.1	3.1	5.0	4.4	229	5.2	12	11	6.2	6.2	3.3	2.8
20	3.0	3.2	20	4.3	17	5.0	11	12	6.0	5.0	3.3	2.7
21	3.1	3.1	37	4.3	11	5.5	10	10	6.1	4.5	3.4	2.7
22	4.1	3.2	55	4.2	12	6.2	9.7	10	8.6	4.2	3.3	2.7
23	3.4	3.1	19	4.0	13	6.4	9.6	9.7	6.9	4.1	3.2	2.7
24	3.1	3.1	9.2	3.9	8.0	5.8	9.2	9.4	7.7	4.4	3.1	8.4
25	3.1	3.1	7.4	3.9	7.0	5.6	8.9	31	7.7	4.9	3.8	6.6
26	3.1	3.1	6.3	3.9	6.4	5.4	8.8	328	6.7	4.6	3.5	4.2
27	3.1	3.1	10	3.9	5.8	5.4	12	87	6.7	4.5	3.4	3.5
28	3.1	5.8	9.6	4.6	5.4	30	35	19	6.4	4.4	3.5	3.1
29	3.1	3.3	7.4	4.2	---	20	34	14	5.9	4.3	3.3	2.9
30	3.1	3.1	11	4.8	---	14	16	12	5.7	4.3	3.1	2.9
31	3.0	---	7.6	4.1	---	11	---	10	---	4.1	3.0	---
TOTAL	102.0	103.3	294.4	161.1	447.9	238.0	438.6	860.1	212.6	154.7	109.9	101.4
MEAN	3.29	3.44	9.50	5.20	16.0	7.68	14.6	27.7	7.09	4.99	3.55	3.38
MAX	5.8	8.1	55	11	229	30	35	328	9.1	7.1	4.3	8.4
MIN	2.3	2.9	3.1	3.9	3.8	4.6	7.6	9.4	5.7	4.1	3.0	2.7
CFSM	1.64	1.71	4.73	2.59	7.96	3.82	7.26	13.8	3.53	2.48	1.77	1.68
IN.	1.89	1.91	5.45	2.98	8.29	4.40	8.11	15.91	3.93	2.86	2.03	1.88
CAL YR 1990	TOTAL	2066.8	MEAN	5.66	MAX	102	MIN	2.3	CFSM	2.82	IN	38.23
WTR YR 1991	TOTAL	3224.0	MEAN	8.83	MAX	328	MIN	2.3	CFSM	4.39	IN	59.64

02430085 RED BUD CREEK NEAR MOORES MILL, MS

LOCATION.--34°28'00", long 88°17'00", in SW4SE4 sec.18, T.7 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 03160101, near left bank on upstream side of bridge on county road, 0.18 mi south of intersection of county road and blacktop road, 2.7 mi east-southeast of Moores Mill, and 5.6 mi southwest of Belmont.

DRAINAGE AREA.--15.7 mi².

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

REVISED RECORDS.--WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 360.36 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Oct. 10 to Nov. 27, June 27 to Sept. 23. Records are poor due to beaver activity on control.

AVERAGE DISCHARGE.--16 years, 27.4 ft³/s, 23.70 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,330 ft³/s, May 26, 1991, gage height, 13.13 ft, from rating curve extended above 780 ft³/s on basis of slope-conveyance study; minimum, 1.3 ft³/s, Sept. 29, 1986.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 550 ft³/s (revised) and maximum (*).

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 3	1000	1,240	11.77	May 5	1545	865	11.13
Dec. 20	2330	1,700	12.40	May 10	1715	1,160	11.65
Feb. 19	0915	1,660	12.35	May 12	1530	1,480	12.12
Feb. 23	0030	637	10.66	May 14	0545	917	11.23
Mar. 29	0645	829	11.06	May 19	2200	624	10.63
Apr. 14	1130	966	11.32	May 26	2215	*2,330	*13.13
Apr. 28	1430	1,110	11.57				

Minimum daily discharge, 2.1 ft³/s, Oct. 1-2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.1	2.5	7.0	62	19	166	45	80	45	8.0	7.2	2.7
2	2.1	2.4	34	47	17	104	36	54	37	7.6	8.4	3.0
3	2.5	2.3	462	41	16	87	29	51	33	8.6	7.2	2.2
4	9.0	2.5	62	33	16	60	33	98	28	7.4	6.6	2.2
5	2.8	20	30	30	39	49	61	401	23	7.0	6.4	5.4
6	2.2	17	20	32	54	44	35	135	20	6.8	6.2	3.0
7	2.6	5.6	15	134	31	34	28	70	18	6.6	6.0	3.5
8	6.9	5.0	12	58	24	49	130	159	15	6.4	5.8	2.5
9	3.8	56	11	43	21	34	103	119	13	6.3	6.4	12
10	2.9	31	9.5	98	19	28	69	398	12	6.2	5.6	5.0
11	2.8	14	8.8	89	16	27	50	170	12	6.0	5.2	3.0
12	2.7	9.9	8.5	55	15	35	90	652	15	5.9	5.0	2.8
13	2.7	8.2	8.2	41	23	43	73	326	13	5.8	4.9	2.6
14	2.6	7.2	7.8	34	17	28	613	381	11	5.6	4.8	2.5
15	2.6	5.6	8.1	34	11	24	312	203	9.0	5.5	4.6	2.5
16	2.5	4.9	9.1	28	9.7	23	95	135	7.4	5.4	4.5	2.5
17	2.4	4.6	52	23	31	25	63	83	7.4	5.3	5.2	2.4
18	16	4.0	88	21	549	25	78	64	6.2	5.2	4.6	2.4
19	5.6	3.8	47	22	1040	21	68	153	5.3	6.4	4.2	2.3
20	3.8	3.5	516	20	180	20	49	143	5.3	5.2	4.1	2.3
21	5.6	3.1	619	15	98	19	39	73	5.6	4.9	4.0	2.3
22	20	2.9	835	14	137	23	34	54	15	4.8	3.9	2.2
23	16	2.7	340	14	239	46	30	42	9.5	4.6	3.8	2.2
24	7.7	2.5	105	14	92	21	24	32	29	10	3.7	36
25	5.6	2.4	64	13	67	18	21	63	31	35	3.5	45
26	5.2	2.3	47	12	54	16	20	1200	12	15	4.9	4.9
27	4.3	3.3	70	13	45	16	45	699	9.4	9.8	3.1	3.1
28	3.5	43	108	18	39	18	512	143	9.0	8.8	2.5	2.6
29	3.1	14	76	14	---	440	558	100	8.6	8.0	2.3	2.4
30	2.9	8.5	170	61	---	114	152	76	8.2	7.8	4.3	2.3
31	2.7	---	106	25	---	63	---	58	---	7.6	4.6	---
TOTAL	157.2	294.7	3956.0	1158	2918.7	1720	3495	6415	472.9	243.5	153.5	169.8
MEAN	5.07	9.82	128	37.4	104	55.5	117	207	15.8	7.85	4.95	5.66
MAX	20	56	835	134	1040	440	613	1200	45	35	8.4	45
MIN	2.1	2.3	7.0	12	9.7	16	20	32	5.3	4.6	2.3	2.2
CFSM	.32	.63	8.15	2.38	6.62	3.54	7.45	13.2	1.01	.50	.32	.36
IN.	.37	.70	9.37	2.74	6.92	4.08	8.28	15.20	1.12	.58	.36	.40

CAL YR 1990	TOTAL	13748.5	MEAN 37.7	MAX 835	MIN 2.1	CFSM 2.40	IN 32.57
WTR YR 1991	TOTAL	21154.3	MEAN 58.0	MAX 1200	MIN 2.1	CFSM 3.69	IN 50.12

02430100 MACKEYS CREEK NEAR MOORES MILL, MS

LOCATION.--Lat 34°29'13", long 88°20'44", in SW4NW4 sec.10, T.7 S., R.9 E., Chickasaw Meridian, Prentiss County, Hydrologic Unit 03160601, on left bank 15 ft upstream from county bridge, 1.0 mi west of Moores Mill, and 0.5 mi west of the Tennessee-Tombigbee Waterway.

DRAINAGE AREA.--118 mi², prior to construction of Tennessee-Tombigbee Waterway.

PERIOD OF RECORD.--October 1983 to current year.

GAGE.--Water-stage recorder. Datum of gage is 314.23 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges: Records good. Flow regulated by Tennessee-Tombigbee Waterway minimum-flow structures. Normal operation of minimum-flow structures began October 1987. U.S. Army Corp of Engineers telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,500 ft³/s, Dec. 3, 1983, from rating curve extended above 400 ft³/s on basis of runoff comparisons with nearby streams, gage height, unknown, minimum, 1.9 ft³/s, Oct. 15, 1984, gage height 1.33 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 780 ft³/s, May 26, gage height 9.12 ft³/s, minimum daily, 20 ft³/s, Jan. 4-6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63	56	62	24	64	94	91	69	87	78	64	63
2	60	56	63	23	63	87	86	66	86	79	63	63
3	62	60	107	22	64	82	88	62	84	77	64	62
4	67	59	76	20	64	79	76	63	82	77	65	64
5	65	63	74	20	65	77	74	77	78	75	64	62
6	63	67	68	20	64	73	70	66	78	74	65	60
7	65	62	65	28	72	71	68	67	80	76	68	63
8	66	64	62	22	73	72	72	86	80	75	65	61
9	65	67	62	25	74	70	71	85	80	74	64	60
10	63	64	61	40	61	68	70	92	79	72	65	60
11	62	63	59	57	63	67	69	76	76	69	64	60
12	62	61	58	82	63	68	71	110	80	73	63	61
13	58	62	56	82	64	69	70	82	82	78	62	64
14	57	63	55	81	62	75	113	92	83	77	60	63
15	58	61	55	80	62	84	96	68	82	77	59	64
16	58	62	54	80	63	85	73	62	78	75	60	64
17	59	60	59	81	64	82	77	63	78	74	62	62
18	60	59	60	76	110	82	74	69	74	71	64	63
19	61	61	57	74	283	80	69	69	78	74	60	64
20	59	62	82	74	75	79	60	75	77	73	62	62
21	57	64	156	72	82	78	59	67	76	74	62	63
22	59	61	183	72	93	81	56	65	79	68	60	64
23	58	62	67	70	104	91	55	65	78	65	65	62
24	58	61	43	68	92	85	54	67	78	70	65	71
25	60	61	38	70	89	82	62	82	80	71	65	77
26	61	61	35	69	88	81	85	345	81	72	63	73
27	57	62	33	65	88	79	82	242	80	69	64	70
28	56	65	32	66	86	81	125	95	79	67	63	75
29	55	62	27	66	---	125	115	90	78	68	64	74
30	57	60	29	66	---	96	78	87	78	67	66	76
31	57	---	26	65	---	89	---	87	---	65	68	---
TOTAL	1868	1851	1964	1760	2295	2512	2309	2791	2389	2254	1968	1950
MEAN	60.3	61.7	63.4	56.8	82.0	81.0	77.0	90.0	79.6	72.7	63.5	65.0
MAX	67	67	183	82	283	125	125	345	87	79	68	77
MIN	55	56	26	20	61	67	54	62	74	65	59	60
CFSM	.51	.53	.54	.48	.70	.69	.66	.77	.68	.62	.54	.55
IN.	.59	.59	.62	.56	.73	.80	.73	.88	.76	.71	.62	.62
CAL YR 1990	TOTAL	25084	MEAN 68.7	MAX 183	MIN 26	CFSM .59	IN 7.94					
WTR YR 1991	TOTAL	25911	MEAN 71.0	MAX 345	MIN 20	CFSM .60	IN 8.20					

MOBILE RIVER BASIN

02430100 MACKEYS CREEK NEAR MOORES MILL, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.81	2.88	3.03	2.12	2.98	3.54	3.50	3.15	3.43	3.30	3.06	3.04
2	2.76	2.89	3.04	2.08	2.96	3.43	3.43	3.09	3.43	3.31	3.04	3.05
3	2.79	2.96	3.64	2.05	2.97	3.37	3.45	3.03	3.39	3.28	3.06	3.03
4	2.89	2.96	3.07	2.01	2.97	3.32	3.27	3.04	3.36	3.28	3.08	3.07
5	2.86	3.03	3.04	1.99	2.99	3.29	3.24	3.28	3.30	3.24	3.07	3.03
6	2.82	3.11	2.92	1.99	2.97	3.22	3.17	3.10	3.29	3.24	3.08	2.99
7	2.87	3.02	2.87	2.21	3.11	3.18	3.14	3.12	3.34	3.26	3.13	3.05
8	2.90	3.06	2.82	2.05	3.13	3.20	3.20	3.42	3.33	3.25	3.07	3.01
9	2.88	3.12	2.82	2.13	3.14	3.17	3.18	3.40	3.33	3.23	3.07	2.99
10	2.85	3.06	2.81	2.50	2.92	3.13	3.17	3.51	3.32	3.20	3.07	3.00
11	2.84	3.04	2.77	2.83	2.96	3.12	3.14	3.26	3.26	3.15	3.06	2.98
12	2.85	3.00	2.76	3.28	2.96	3.13	3.19	3.72	3.33	3.21	3.05	3.01
13	2.78	3.02	2.71	3.28	2.96	3.15	3.17	3.35	3.37	3.30	3.03	3.06
14	2.78	3.05	2.70	3.25	2.93	3.24	3.79	3.50	3.39	3.28	2.99	3.05
15	2.81	3.00	2.69	3.23	2.94	3.40	3.55	3.13	3.36	3.28	2.97	3.06
16	2.80	3.02	2.68	3.24	2.96	3.41	3.22	3.02	3.29	3.25	2.98	3.07
17	2.83	2.99	2.77	3.26	2.97	3.37	3.28	3.04	3.30	3.23	3.02	3.03
18	2.86	2.97	2.79	3.18	3.69	3.36	3.24	3.15	3.23	3.18	3.06	3.05
19	2.88	3.02	2.73	3.15	5.51	3.34	3.15	3.16	3.29	3.23	3.00	3.07
20	2.86	3.03	3.15	3.15	3.25	3.32	2.99	3.25	3.28	3.21	3.03	3.02
21	2.82	3.06	4.12	3.11	3.35	3.30	2.97	3.12	3.26	3.23	3.02	3.04
22	2.86	3.02	4.52	3.11	3.53	3.35	2.92	3.08	3.31	3.13	2.99	3.07
23	2.85	3.02	3.02	3.07	3.68	3.51	2.89	3.07	3.30	3.09	3.08	3.02
24	2.86	3.01	2.56	3.03	3.51	3.41	2.87	3.11	3.30	3.17	3.07	3.13
25	2.91	3.01	2.45	3.07	3.47	3.37	3.02	3.36	3.32	3.18	3.09	3.14
26	2.92	3.01	2.38	3.06	3.46	3.35	3.41	5.96	3.35	3.20	3.04	3.08
27	2.87	3.02	2.35	2.99	3.45	3.31	3.37	5.03	3.33	3.14	3.06	3.02
28	2.85	3.07	2.32	3.01	3.42	3.35	3.96	3.56	3.31	3.11	3.05	3.11
29	2.84	3.02	2.19	3.01	---	3.97	3.83	3.48	3.30	3.14	3.05	3.10
30	2.88	2.98	2.24	3.01	---	3.58	3.30	3.44	3.31	3.11	3.10	3.13
31	2.89	---	2.18	2.98	---	3.47	---	3.44	---	3.09	3.14	---
MEAN	2.85	3.02	2.84	2.79	3.26	3.34	3.27	3.40	3.32	3.21	3.05	3.05
MAX	2.92	3.12	4.52	3.28	5.51	3.97	3.96	5.96	3.43	3.31	3.14	3.14
MIN	2.76	2.88	2.18	1.99	2.92	3.12	2.87	3.02	3.23	3.09	2.97	2.98
CAL YR 1990	MEAN 3.00		MAX 4.52	MIN 2.18								
WTR YR 1991	MEAN 3.11		MAX 5.96	MIN 1.99								

02430500 TOMBIGBEE RIVER NEAR MARIETTA, MS

LOCATION.--Lat 34°25'35", long 88°25'16", in SE¼ sec.35, T.7 S., R.8 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, at bridge on unimproved road 0.5 mi downstream from confluence of Big Brown Creek Canal and Mackeys Creek, and 6 mi southeast of Marietta.

DRAINAGE AREA.--308 mi², prior to construction of Tennessee-Tombigbee Waterway.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1937 to September 1950. October 1968 to September 1977 (annual maximums only). October 1988 to current year (low-flow records only).

GAGE.--Water-stage recorder. Datum of gage is 282.16 ft above National Geodetic Vertical Datum of 1929. October 1968 to September 1977, nonrecording gage.

REMARKS.--No estimated daily discharges. Records fair. Discharges above 500 ft³/s not determined. Satellite telemeter, telemeter, and U.S. Army Corps of Engineers radio telemeter at station.

AVERAGE DISCHARGE.--13 years (water years 1937-50), 502 ft³/s, 22.13 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 30,600 ft³/s, Mar. 17, 1973, gage height, 12.30 ft; Maximum gage height, 15.24 ft, May 27, 1991 (discharge not determined); minimum discharge, 10 ft³/s, Aug. 18, 1943, gage height, 2.30 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, not determined, maximum gage height, 15.24 ft, May 27, minimum daily discharge, 83 ft³/s, Aug. 21 and Sept. 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	133	144	103	---	236	---	---	---	---	146	98	95
2	133	110	174	---	220	---	---	---	400	136	90	89
3	150	118	---	401	216	---	---	---	374	134	105	91
4	168	136	---	320	215	---	---	---	---	133	138	83
5	150	140	482	279	246	---	---	---	354	118	135	85
6	108	152	280	280	---	---	---	---	281	115	137	105
7	116	145	192	---	456	471	459	---	242	113	139	129
8	200	144	155	---	356	---	---	---	220	114	138	139
9	161	173	139	---	309	---	---	---	207	112	156	234
10	143	220	130	---	283	470	---	---	213	111	192	151
11	138	132	127	---	258	421	---	---	179	103	162	93
12	133	142	151	---	245	425	---	---	205	99	106	86
13	126	143	145	---	256	---	---	---	192	104	92	133
14	123	142	146	458	332	---	---	---	205	103	88	117
15	123	136	145	406	259	496	---	---	177	103	86	117
16	123	135	156	407	221	450	---	---	158	100	87	115
17	122	136	345	352	312	436	---	---	252	106	159	111
18	130	132	---	324	---	465	---	---	231	102	203	112
19	132	133	---	307	---	409	---	---	159	120	181	111
20	130	134	---	315	---	377	---	---	143	119	95	109
21	124	137	---	285	---	358	---	---	136	111	83	108
22	131	135	---	261	---	397	---	---	148	101	103	110
23	152	134	---	254	---	---	---	453	211	96	121	112
24	166	136	---	246	---	---	---	406	396	328	97	118
25	183	134	---	240	---	---	---	369	---	---	176	344
26	153	132	---	232	---	---	---	369	---	335	155	155
27	149	134	---	235	---	470	---	477	---	243	142	104
28	149	153	---	268	---	---	---	---	---	211	115	106
29	145	139	---	261	---	---	---	---	---	185	109	109
30	147	106	---	279	---	---	---	---	---	163	103	106
31	148	---	---	272	---	---	---	---	---	98	113	---
TOTAL	4389	4187	---	---	---	---	---	---	---	3594	3802	3785
MEAN	142	140	---	---	---	---	---	---	---	116	123	126
MAX	200	220	---	---	---	---	---	---	---	176	203	344
MIN	108	106	---	---	---	---	---	---	---	96	83	83
CFSM	.46	.46	---	---	---	---	---	---	---	.38	.40	.41
IN.	.53	.51	---	---	---	---	---	---	---	.43	.46	.46

MOBILE RIVER BASIN

02430500 TOMBIGBEE RIVER NEAR MARIETTA, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1972-73, 1989 to current year.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
OCT				
02...	1630	127	75	26
NOV				
07...	1520	132	40	14
DEC				
19...	1445	568	111	170
JAN				
31...	1530	250	26	18
MAR				
06...	1405	531	51	73
JUN				
06...	1600	267	64	46
JUL				
26...	1130	148	223	89

02430615 MUD CREEK NEAR FAIRVIEW, MS

LOCATION.--Lat 34°23'32", long 88°21'17", in NW4NE4 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 northwest of Fairview and 8.8 mi north-northeast of Fulton.

DRAINAGE AREA.--11.1 mi².

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

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

GAGE.--Water-stage recorder. Elevation of gage is 313 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: May 19-25. Records fair except estimated daily discharges, which are poor. U.S. Army Corps of Engineers radio telemeter at station.

AVERAGE DISCHARGE.--16 years, 18.8 ft³/s, 23.00 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1390 ft³/s, May 27, 1991, gage height, 10.48 ft, minimum, 1.3 ft³/s, Aug. 6, 1986, gage height, 3.74 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 350 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 3	0945	813	9.57	Apr. 15	0030	583	9.23
Dec. 21	0015	1020	9.85	Apr. 29	0930	821	9.58
Feb. 19	0930	1010	9.84	May 5	1630	577	9.22
Feb. 23	0100	485	9.05	May 8	1730	398	8.81
Mar. 1	1545	460	9.00	May 10	1730	821	9.58
Mar. 29	0645	577	9.22	May 12	1630	663	9.36
Apr. 8	1500	398	8.81	May 27	0200	*1390	*10.48

Minimum daily discharge, 3.4 ft³/s, Oct. 1-3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	4.8	6.1	35	16	170	31	53	48	19	9.1	12
2	3.4	4.8	23	29	16	59	28	40	45	18	9.0	11
3	3.4	4.9	306	29	15	53	26	44	48	17	9.0	11
4	12	5.4	26	25	15	38	33	89	44	17	8.6	11
5	5.8	9.4	15	23	37	34	45	277	38	16	8.4	11
6	4.3	7.2	13	26	34	33	28	76	35	16	8.3	11
7	4.4	6.2	11	106	20	30	26	44	33	16	8.6	11
8	8.9	6.0	10	33	17	39	137	144	31	16	9.8	11
9	6.4	46	9.8	28	16	30	48	67	30	15	9.7	11
10	5.2	16	9.7	73	15	28	32	295	28	14	13	11
11	4.8	7.2	9.7	44	15	28	29	123	29	14	20	10
12	4.8	6.4	9.7	30	14	39	48	317	30	13	11	10
13	5.1	5.9	10	25	19	41	32	182	28	12	10	10
14	4.6	5.6	10	23	17	30	366	119	26	12	10	10
15	4.4	7.0	11	25	14	28	207	64	25	11	10	9.8
16	4.2	5.0	12	22	14	27	53	53	23	11	9.7	9.7
17	4.0	5.4	46	20	29	29	41	47	24	11	10	9.6
18	8.4	6.7	50	20	370	28	50	46	23	11	11	9.5
19	5.2	5.4	24	20	798	26	43	44	22	11	9.8	10
20	4.6	5.3	333	20	156	25	34	42	21	10	9.5	10
21	4.6	5.4	479	18	60	25	31	40	21	9.8	9.6	10
22	12	6.1	711	17	113	28	30	37	36	9.4	10	10
23	8.1	9.6	316	17	167	40	29	34	25	9.2	9.6	10
24	5.8	6.1	74	17	50	25	26	33	27	9.2	9.6	30
25	5.0	6.8	46	16	40	23	24	33	32	11	13	36
26	4.9	6.0	36	16	37	23	24	740	26	12	16	11
27	4.8	6.2	63	16	35	23	43	711	25	11	12	10
28	4.8	21	76	22	34	29	375	160	24	10	13	9.5
29	4.6	9.3	55	17	---	306	469	91	22	9.9	14	9.2
30	4.7	6.7	112	47	---	52	95	64	20	9.7	25	8.9
31	4.7	---	53	19	---	36	---	54	---	9.4	15	---
TOTAL	171.3	253.8	2966.0	878	2183	1425	2483	4163	889	390.6	351.3	354.2
MEAN	5.53	8.46	95.7	28.3	78.0	46.0	82.8	134	29.6	12.6	11.3	11.8
MAX	12	46	711	106	798	306	469	740	48	19	25	36
MIN	3.4	4.8	6.1	16	14	23	24	33	20	9.2	8.3	8.9
CFSM	.50	.76	8.62	2.55	7.03	4.14	7.46	12.1	2.67	1.14	1.02	1.06
IN.	.57	.85	9.94	2.94	7.32	4.78	8.32	13.95	2.98	1.31	1.18	1.19

CAL YR 1990 TOTAL 9337.3 MEAN 25.6 MAX 711 MIN 1.9 CFSM 2.31 IN 31.29
WTR YR 1991 TOTAL 16508.2 MEAN 45.2 MAX 798 MIN 3.4 CFSM 4.07 IN 55.32

02430680 TWENTYMILE CREEK NEAR GUNTOWN, MS

LOCATION.--Lat 34°27'11", long 88°34'37", in SW4 sec.21, T.7 S., R.7 E., Chickasaw Meridian, Lee County, Hydro-logic Unit 03160101, on downstream side of bridge on county road, and 6.0 mi southeast of Baldwin, and 6.0 mi east of Guntown.

DRAINAGE AREA.--131 mi².

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder and sharp-crested weir since November, 1982. Datum of gage is 280.00 ft above National Geodetic Vertical Datum of 1929. September 1964 to January 1975, discharge measurements only, and February 1975 to June 1977, discharge measurements and gage-height record only, in files of U. S. Army Corps of Engineers. July 1977 to September 1982, gage-height records only, in files of U.S. Geological Survey.

REMARKS.--Estimated daily discharges: May 17-19,21-25. Records good except estimated daily discharges, which are poor. U.S. Army Corps of Engineers radio telemeter at station.

AVERAGE DISCHARGE.--9 years, 237 ft³/s, 24.60 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 41,500 ft³/s, May 27, 1991, gage height, 30.88 ft; no flow on Aug. 19, 1988.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 21	0430	8,100	20.39	Apr. 28	1400	11,300	24.35
Feb. 19	1015	21,500	28.72	May 5	1445	6,490	18.36
Feb. 23	0130	6,690	18.62	May 10	1645	5,900	17.63
Mar. 22	2345	5,900	17.63	May 12	1930	13,900	26.94
Mar. 29	0715	10,200	23.01	May 14	0815	12,100	25.33
Apr. 14	1215	9,460	22.08	May 27	0145	*41,500	*30.88
Apr. 18	1915	5,250	16.81				

Minimum discharge, .32 ft³/s, Oct. 20,29,30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	.80	6.9	199	48	1330	196	355	147	24	1.8	8.5
2	1.0	.70	7.8	131	46	652	152	201	114	20	1.5	5.1
3	.84	.70	1050	101	46	429	122	179	620	17	1.5	3.2
4	26	.68	73	80	46	256	115	330	630	15	1.5	2.3
5	23	1.9	27	71	167	165	259	3080	144	13	1.3	1.7
6	7.8	2.7	20	124	846	144	154	737	95	12	1.3	1.7
7	4.6	2.0	18	1150	205	110	112	245	79	11	1.3	1.5
8	9.5	1.5	16	273	120	389	427	1200	67	10	3.5	1.3
9	5.7	23	15	154	94	170	381	1510	58	9.8	22	1.3
10	3.3	57	12	1120	82	110	194	2080	52	9.1	6.0	1.6
11	2.4	22	12	750	69	96	113	816	54	8.3	5.3	1.8
12	2.0	11	12	301	61	148	293	5530	70	7.1	3.3	1.6
13	1.4	5.5	12	160	76	928	461	2940	55	6.3	2.0	1.3
14	.78	3.5	13	120	110	188	5320	5090	57	5.5	1.7	1.3
15	.93	2.7	15	113	62	123	2450	897	45	4.4	1.3	1.2
16	1.1	2.5	20	125	49	104	396	717	41	3.9	1.2	.95
17	.52	2.4	495	91	199	105	222	246	72	4.3	1.6	.91
18	1.3	2.3	521	78	7360	167	1530	161	54	4.6	2.8	.91
19	.98	2.2	170	76	13200	104	844	356	35	15	3.2	.76
20	.43	2.3	424	80	1090	87	326	495	30	11	2.0	.72
21	.70	2.4	3280	65	392	79	187	161	28	6.5	1.2	.64
22	2.3	3.5	3880	56	780	727	144	127	61	4.7	.98	.65
23	2.2	5.9	1080	55	2210	1420	126	112	73	4.0	.78	.67
24	1.8	4.7	238	54	377	217	101	98	247	3.6	.72	56
25	1.9	3.2	129	50	228	131	85	127	254	5.5	1.8	91
26	.81	2.8	98	47	173	104	78	15500	61	6.3	9.5	23
27	.49	2.9	1020	49	139	122	563	15200	43	5.1	15	8.4
28	.94	15	992	69	117	255	4980	714	35	4.4	17	5.0
29	.46	21	326	60	---	6410	5910	571	30	3.7	13	3.4
30	.45	12	1240	74	---	872	1110	309	26	3.2	72	2.5
31	.65	---	694	59	---	303	---	254	---	2.5	16	---
TOTAL	107.48	220.78	15916.7	5935	28392	16445	27351	60338	3377	260.8	214.08	230.91
MEAN	3.47	7.36	513	191	1014	530	912	1946	113	8.41	6.91	7.70
MAX	26	57	3880	1150	13200	6410	5910	15500	630	24	72	91
MIN	.43	.68	6.9	47	46	79	78	98	26	2.5	.72	.64
CFSM	.03	.06	3.92	1.46	7.74	4.05	6.96	14.9	.86	.06	.05	.06
IN.	.03	.06	4.52	1.69	8.06	4.67	7.77	17.13	.96	.07	.06	.07

CAL YR 1990	TOTAL	84939.46	MEAN 233	MAX 11300	MIN .05	CFSM 1.78	IN 24.12
WTR YR 1991	TOTAL	158788.75	MEAN 435	MAX 15500	MIN .43	CFSM 3.32	IN 45.09

02430680 TWENTYMILE CREEK NEAR GUNTOWN, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1989 to current year.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
FEB 01...	1055	48	19	2.5
APR 18...	1600	2510	1970	13400
JUN 04...	1900	256	145	100
JUL 25...	1830	5.7	32	0.49

MOBILE RIVER BASIN

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, on left bank at the downstream end of bridge on county road, 3.2 mi northeast of Fulton, and 4.2 mi upstream from mouth.

DRAINAGE AREA.--19.1 mi².

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

GAGE.--Water-stage recorder. Elevation of gage is 295 ft. above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: June 28 to Aug. 9, Aug. 19-24, and Aug. 31 to Sept. 18. Records fair except for estimated discharges, which are poor. U.S. Army Corps of Engineers radio telemeter at station.

AVERAGE DISCHARGE.--16 years, 65.0 ft³/s, 24.03 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,350 ft³/s, May 27, 1991 gage height, 12.71 ft, minimum daily, 2.1 ft³/s, Aug. 28, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,350 ft³/s, May 27, gage height, 12.71 ft, minimum daily, 4.6 ft³/s, Oct. 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.6	11	15	73	25	181	53	96	71	39	22	24
2	6.3	12	45	56	24	102	45	69	98	37	21	23
3	6.0	12	252	55	24	93	39	80	96	36	21	22
4	22	13	47	44	24	64	45	74	85	35	21	21
5	9.4	14	26	39	54	55	56	217	66	34	21	20
6	6.5	13	20	42	61	52	38	106	60	33	20	19
7	5.8	10	18	102	34	45	34	66	56	32	20	18
8	9.3	8.5	16	49	29	62	135	151	52	31	20	17
9	12	59	15	41	27	45	76	104	48	30	20	16
10	8.8	27	16	86	25	41	49	279	47	29	40	15
11	8.4	11	17	68	23	39	43	174	49	28	57	14
12	7.8	9.1	16	46	23	53	73	348	55	27	44	14
13	8.0	7.9	16	39	33	55	52	232	51	27	40	13
14	7.7	7.9	18	36	29	37	372	329	48	26	36	13
15	7.5	7.9	22	39	22	34	238	119	45	26	33	12
16	7.5	8.0	27	34	21	32	92	100	45	25	30	12
17	7.1	8.2	77	30	45	37	67	75	50	25	28	12
18	9.7	8.3	82	28	378	39	86	70	47	25	27	11
19	7.7	9.2	42	29	1040	33	69	95	42	24	24	12
20	7.7	11	442	28	216	29	52	92	42	24	23	12
21	7.5	13	635	26	106	33	45	60	43	23	22	12
22	22	15	1020	25	173	40	42	51	93	23	22	12
23	8.7	16	426	25	218	68	40	46	58	22	22	12
24	5.7	14	135	26	97	35	35	42	85	22	23	69
25	4.6	13	89	27	74	31	33	62	82	21	31	86
26	4.7	13	65	27	59	31	32	849	54	30	44	26
27	4.9	14	88	28	50	33	63	875	49	27	39	19
28	5.1	52	131	37	44	46	368	182	45	25	34	18
29	5.8	20	92	28	---	395	535	132	43	24	30	17
30	7.4	16	175	51	---	107	160	101	41	23	27	16
31	9.3	---	108	29	---	68	---	83	---	22	25	---
TOTAL	259.5	454.0	4193	1293	2978	2015	3067	5359	1746	855	887	607
MEAN	8.37	15.1	135	41.7	106	65.0	102	173	58.2	27.6	28.6	20.2
MAX	22	59	1020	102	1040	395	535	875	98	39	57	86
MIN	4.6	7.9	15	25	21	29	32	42	41	21	20	11
CFSM	.44	.79	7.07	2.18	5.55	3.40	5.34	9.06	3.05	1.45	1.50	1.06
IN.	.51	.88	8.17	2.52	5.80	3.92	5.97	10.44	3.40	1.67	1.73	1.18
CAL YR 1990	TOTAL	14493.0	MEAN	39.7	MAX	1020	MIN	4.6	CFSM	2.08	IN	28.23
WTR YR 1991	TOTAL	23713.5	MEAN	65.0	MAX	1040	MIN	4.6	CFSM	3.40	IN	46.18

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 downstream from Twentymile-Fulton Canal, 2.2 mi west of Fulton, 6.2 mi upstream from Mantachie Creek Canal, 13.5 mi downstream from Twentymile Creek Canal, and at mile 421.7.

DRAINAGE AREA.--612 mi², prior to construction of Tennessee-Tombigbee Waterway.

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 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 above National Geodetic Vertical Datum of 1929. Prior to Oct. 27, 1934, nonrecording gage at bridge 200 ft upstream, and Oct. 27, 1934 to Aug. 22, 1939, nonrecording gage at present site, all at present datum.

REMARKS.--No estimated daily discharges. Records good. Some regulation by Tennessee-Tombigbee Waterway. Telemeter, satellite telemeter, and U.S. Army Corps of Engineers radio telemeter at station.

AVERAGE DISCHARGE.--56 years, (water years 1929-84) 971 ft³/s, 21.55 in/yr, prior to construction of Tennessee-Tombigbee Waterway, 7 years, (water years 1985-91) 873 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 82,200 ft³/s, Mar. 22, 1955, gage height, 25.75 ft, from rating curve extended above 48,000 ft³/s on basis of estimate of flow made by indirect methods; Maximum gage-height, 27.22 ft, May 27, 1991; Minimum observed, 11 ft³/s, Nov. 15, 1971 (temporary regulation), minimum unregulated, 12 ft³/s, Aug. 31 to Sept. 2, 1943; minimum gage-height, 0.87 ft, Aug. 12, 1930.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 23	0600	21,100	20.03	Apr. 30	0400	18,000	19.52
Feb. 20	0500	49,900	24.39	May 13	1500	16,100	19.20
Mar. 30	0800	11,400	18.38	May 27	1800	*73,800	*27.72
Apr. 15	1600	13,900	18.81				

Minimum daily discharge, 89 ft³/s, Sept. 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	136	145	106	2770	390	1240	4600	8890	1700	289	124	146
2	132	134	119	1890	355	2790	2410	5120	1020	264	123	117
3	136	101	1100	1310	337	2790	1520	2660	779	243	119	107
4	174	111	1790	880	325	2290	1000	1750	1570	226	125	105
5	229	133	1680	649	345	1830	941	1900	1560	215	137	99
6	164	138	1510	530	1030	1320	1010	6390	832	205	139	101
7	111	154	870	1160	1090	977	840	6030	579	194	140	120
8	150	144	536	1920	752	912	951	3690	475	188	141	136
9	230	188	384	1640	589	1050	1640	4370	413	183	145	153
10	172	292	295	1430	504	835	1520	4960	370	177	167	218
11	147	283	235	2240	440	718	1300	7640	352	170	201	161
12	140	155	206	2220	394	643	1180	7380	343	163	171	98
13	132	152	217	1810	374	1150	1280	13700	352	155	138	89
14	124	144	200	1310	426	1310	3080	14200	329	152	122	123
15	120	138	190	908	412	1030	12200	10600	324	148	114	117
16	119	131	186	758	355	839	10000	6710	302	150	104	111
17	118	127	295	651	347	703	6110	3860	290	151	105	108
18	125	125	1050	549	2140	702	3340	2160	327	149	151	104
19	131	123	1280	490	24100	667	3570	1580	311	143	183	104
20	131	124	1040	470	41800	577	2660	1630	285	150	167	102
21	128	125	4320	447	14500	527	1720	1570	271	152	116	102
22	129	128	13800	404	6910	503	1130	1320	280	143	97	105
23	136	130	19300	381	6890	1820	850	955	324	135	112	106
24	172	128	11400	370	6420	2180	684	720	410	130	124	131
25	173	129	7250	357	3780	1920	573	643	786	135	134	286
26	183	128	3940	343	2290	1470	506	5480	728	163	155	345
27	154	124	2150	334	1590	1030	496	55100	621	164	144	193
28	151	153	2460	348	1090	912	2600	41000	464	150	131	117
29	146	184	3020	379	---	3910	12000	9520	383	140	133	109
30	141	152	2500	408	---	10800	15600	4990	325	133	161	130
31	144	---	3180	446	---	8020	---	2930	---	129	197	---
TOTAL	4578	4423	86609	29802	119975	57465	97311	239448	17105	5289	4320	4043
MEAN	148	147	2794	961	4285	1854	3244	7724	570	171	139	135
MAX	230	292	19300	2770	41800	10800	15600	55100	1700	289	201	345
MIN	111	101	106	334	325	503	496	643	271	129	97	89
CFSM	.24	.24	4.57	1.57	7.00	3.03	5.30	12.6	.93	.28	.23	.22
IN.	.28	.27	5.26	1.81	7.29	3.49	5.91	14.55	1.04	.32	.26	.25
CAL YR 1990	TOTAL	386031	MEAN	1058	MAX	19400	MIN	101	CFSM	1.73	IN	23.46
WTR YR 1991	TOTAL	670368	MEAN	1837	MAX	55100	MIN	89	CFSM	3.00	IN	40.75

MOBILE RIVER BASIN

02431000 TOMBIGBEE RIVER NEAR FULTON, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.04	7.11	6.78	16.25	9.37	13.60	17.02	17.92	15.16	8.49	6.89	7.25
2	7.01	7.02	6.88	15.33	9.04	16.26	15.96	17.16	13.45	8.23	6.88	6.97
3	7.04	6.73	11.86	13.99	8.89	16.29	14.52	16.18	12.45	8.00	6.83	6.88
4	7.30	6.83	14.77	12.46	8.79	15.94	12.98	15.05	14.81	7.86	6.90	6.87
5	7.66	7.01	14.56	11.28	8.97	15.22	12.74	15.15	14.84	7.76	7.04	6.82
6	7.23	7.05	14.13	10.51	12.82	14.04	13.01	17.43	12.67	7.68	7.06	6.83
7	6.83	7.17	11.76	13.04	13.27	12.88	12.28	17.37	11.17	7.58	7.06	7.00
8	7.12	7.10	9.80	15.39	11.84	12.59	12.65	16.75	10.34	7.53	7.07	7.16
9	7.66	7.39	8.73	14.86	10.91	13.17	14.86	16.95	9.75	7.49	7.11	7.32
10	7.29	8.08	8.11	14.33	10.33	12.26	14.56	17.16	9.31	7.43	7.34	7.84
11	7.12	8.03	7.69	15.80	9.83	11.67	13.99	17.69	9.12	7.37	7.65	7.38
12	7.07	7.17	7.51	15.85	9.41	11.25	13.63	17.64	9.03	7.30	7.39	6.80
13	7.00	7.15	7.58	15.19	9.23	13.33	13.95	18.78	9.11	7.23	7.08	6.71
14	6.94	7.10	7.47	13.99	9.70	14.00	15.88	18.87	8.89	7.19	6.93	7.03
15	6.91	7.05	7.41	12.59	9.57	13.08	18.52	18.23	8.84	7.15	6.87	6.97
16	6.90	7.00	7.38	11.88	9.05	12.28	18.13	17.50	8.63	7.17	6.80	6.92
17	6.89	6.97	8.12	11.29	8.98	11.59	17.38	16.78	8.50	7.18	6.82	6.90
18	6.95	6.95	12.62	10.64	13.92	11.58	16.57	15.73	8.87	7.16	7.28	6.86
19	7.00	6.93	13.51	10.22	20.44	11.38	16.69	14.71	8.71	7.10	7.57	6.86
20	7.00	6.94	12.58	10.07	23.20	10.84	16.16	14.83	8.45	7.17	7.44	6.84
21	6.97	6.95	16.64	9.89	18.91	10.49	15.00	14.70	8.30	7.19	6.97	6.84
22	6.98	6.98	18.79	9.50	17.54	10.32	13.44	14.03	8.39	7.09	6.80	6.87
23	7.04	6.99	19.72	9.29	17.54	14.83	12.33	12.78	8.84	7.01	6.93	6.87
24	7.29	6.97	18.37	9.19	17.45	15.82	11.48	11.67	9.65	6.96	7.04	7.11
25	7.30	6.98	17.61	9.07	16.77	15.38	10.81	11.23	12.47	7.01	7.14	8.45
26	7.36	6.97	16.80	8.94	15.88	14.43	10.34	16.52	12.16	7.30	7.33	8.97
27	7.17	6.94	15.70	8.86	14.72	13.07	10.27	25.05	11.47	7.31	7.23	7.64
28	7.14	7.16	15.95	8.99	13.30	12.61	15.44	23.03	10.23	7.17	7.11	6.98
29	7.12	7.37	16.41	9.28	---	16.04	18.48	18.03	9.44	7.07	7.13	6.90
30	7.08	7.15	16.12	9.53	---	18.27	19.10	17.16	8.85	6.99	7.37	7.10
31	7.10	---	16.49	9.87	---	17.76	---	16.43	---	6.95	7.68	---
MEAN	7.11	7.11	12.51	11.85	12.85	13.62	14.61	16.73	10.40	7.36	7.12	7.13
MAX	7.66	8.08	19.72	16.25	23.20	18.27	19.10	25.05	15.16	8.49	7.68	8.97
MIN	6.83	6.73	6.78	8.86	8.79	10.32	10.27	11.23	8.30	6.95	6.80	6.71
WTR YR 1991	MEAN	10.69	MAX	25.05	MIN	6.71						

02431000 TOMBIGBEE RIVER NEAR FULTON, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959, 1962-65, 1972-85, 1989 to current year.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT					
03...	0730	140	67	25	--
NOV					
08...	0810	157	39	17	--
DEC					
11...	1220	246	68	45	55
18...	0820	1160	526	1650	82
JAN					
07...	1505	1910	674	3480	85
07...	1700	2030	732	4010	--
07...	2130	2180	395	2320	80
08...	0745	2200	242	1440	72
08...	0935	2160	235	1370	--
29...	1205	465	47	59	--
FEB					
19...	2215	42400	631	72200	--
20...	0745	48900	294	38800	--
20...	1050	46200	294	36700	--
20...	1300	43200	370	43200	--
21...	0735	16700	176	7940	--
MAR					
04...	1800	2210	165	985	--
APR					
23...	1235	847	89	204	--
JUN					
04...	0700	1510	1030	4200	--

02432500 BULL MOUNTAIN CREEK AT TREMONT, MS

LOCATION.--Lat 34°14'20", long 88°16'15", in NEWSW4 sec.5, T.10 S., R.10 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, on left bank at downstream side of bridge on U.S. Highway 78, 0.7 mi northwest of Tremont, 1.5 mi upstream from Johns Creek, 1.5 mi upstream from Cypress Creek, 8.0 mi southeast of Fulton, and 27.2 mi upstream from the mouth.

DRAINAGE AREA.--136 mi².

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 above National Geodetic Vertical Datum of 1929 (levels by U. S. Army Corps of Engineers). Prior to July 22, 1949, staff gage at same site and datum.

REMARKS.--No estimated daily discharges. Records good. Discharges over 200 ft³/s not determined. U. S. Army Corps of Engineers radio telemeter at station.

AVERAGE DISCHARGE.--21 years (water years 1944-64), 212 ft³/s, 21.17 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 14.06 ft, Apr. 6, 1983 (discharge not determined), minimum discharge, 3.6 ft³/s, Aug. 19, 1988, gage height, 1.84 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of March 1973 reached a stage of 13.1 ft from floodmark by U. S. Army Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge not determined, maximum gage height 10.39 ft, May 27, minimum discharge, 19.0 ft³/s, Oct. 1, 2, 3, 4, Aug. 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	26	62	---	130	---	---	---	---	71	24	42
2	20	26	62	---	123	---	---	---	---	63	24	35
3	20	26	---	---	119	---	---	---	---	63	25	31
4	22	26	---	---	114	---	---	---	---	60	26	28
5	44	27	---	---	119	---	---	---	---	53	23	28
6	30	37	189	---	199	---	---	---	178	49	21	27
7	24	37	153	---	191	---	---	---	152	47	21	27
8	24	32	128	---	163	---	---	---	132	47	25	26
9	66	54	109	---	151	---	---	---	114	45	25	28
10	42	180	96	---	142	---	---	---	102	43	25	28
11	30	94	87	---	132	---	---	---	94	43	35	27
12	27	60	82	---	122	---	---	---	98	38	30	24
13	26	50	77	---	123	---	---	---	95	35	27	24
14	26	45	73	---	153	---	---	---	90	34	24	24
15	25	42	71	---	129	---	---	---	81	34	23	23
16	23	40	74	---	113	189	---	---	73	31	23	22
17	23	40	118	200	126	177	---	---	76	29	22	22
18	24	40	---	181	---	185	---	---	91	29	23	22
19	27	39	---	171	---	170	---	---	72	29	26	21
20	26	39	---	170	---	160	---	---	65	35	23	20
21	24	39	---	161	---	153	---	---	143	29	21	20
22	31	40	---	149	---	150	---	---	---	27	21	21
23	58	51	---	142	---	182	---	---	---	26	21	22
24	39	61	---	138	---	170	---	---	124	25	20	39
25	32	49	---	134	---	147	199	---	---	25	20	---
26	28	43	---	127	---	139	181	---	176	43	28	117
27	27	43	---	124	---	135	195	---	124	45	46	57
28	27	76	---	138	---	144	---	---	104	34	37	43
29	26	133	---	137	---	---	---	---	90	30	103	39
30	26	77	---	141	---	---	---	---	79	28	82	36
31	26	---	---	155	---	---	---	---	---	26	56	---
TOTAL	913	1572	---	---	---	---	---	---	---	1216	950	---
MEAN	29.5	52.4	---	---	---	---	---	---	---	39.2	30.6	---
MAX	66	180	---	---	---	---	---	---	---	71	103	---
MIN	20	26	---	---	---	---	---	---	---	25	20	---
CFSM	.22	.39	---	---	---	---	---	---	---	.29	.23	---
IN.	.25	.43	---	---	---	---	---	---	---	.33	.26	---

02433500 TOMBIGBEE RIVER AT BIGBEE, MS

LOCATION.--Lat 34°00'42", long 88°30'50", in SW4NE4 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 upstream from St. Louis-San Francisco Railway bridge, 0.5 mi southeast of Bigbee, 2.4 mi northwest of Amory, 3.7 mi upstream from Town Creek, and at mile 383.1.

DRAINAGE AREA.--1,226 mi², prior to construction of Tennessee-Tombigbee Waterway.

WATER-DISCHARGE RECORDS

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 above National Geodetic Vertical Datum of 1929 (levels by U. S. Army 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 downstream, used as an auxiliary gage for this station.

REMARKS.--Estimated daily discharges: May 7-9, 12. Records good except for estimated daily discharges, which are poor. Some regulation by Tennessee-Tombigbee Waterway. U.S. Army Corps of Engineers radio telemeter at station.

AVERAGE DISCHARGE.--31 years (water years 1945-54 and 1964-84), 2,157 ft³/s, 23.89 in/yr, prior to construction of Tennessee-Tombigbee Waterway. 7 years (water years 1985-91), 1,795 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 112,000 ft³/s, Mar. 17, 1973, gage height, 27.64 ft, minimum, 29 ft³/s, Sept. 15, 1954.

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, from floodmark, discharge, 73,000 ft³/s. Flood of December 1926 reached a stage of 24.2 ft from information by U. S. Army Corps of Engineers.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 23	1215	78,600	25.99	Apr. 16	2100	24,100	18.36
Feb. 20	1530	74,300	25.77	Apr. 30	unknown	unknown	unknown
Mar. 31	1345	19,700	17.09	May 14	unknown	unknown	unknown
Apr. 15	0900	18,600	18.68	May 28	0645	*101,000	*27.49

Minimum discharge, 234 ft³/s, Nov. 4, 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	310	274	376	6370	942	5070	14500	28100	7740	632	273	454
2	287	274	297	5640	768	7090	9440	17000	5560	700	268	457
3	276	268	3810	5230	727	7000	5700	10700	4360	602	267	327
4	453	246	3840	3300	742	7410	4210	7690	6090	1000	359	304
5	315	251	2610	2200	1000	5850	3130	7410	4670	731	259	373
6	339	277	3330	1480	2170	4980	2370	8140	3600	515	267	285
7	305	279	2390	2850	2220	3900	2250	7600	2940	425	271	436
8	376	286	1060	3050	2080	2770	3110	8500	1840	512	275	353
9	280	730	676	3100	1280	2600	4840	13000	1800	395	402	324
10	327	685	659	3020	1080	2200	4360	11500	1400	374	412	325
11	290	424	456	3970	865	1770	4200	15800	1270	362	362	350
12	274	388	406	3050	860	1640	4200	15000	1190	351	484	339
13	267	311	386	3450	846	2050	3620	22900	1290	339	365	285
14	262	299	390	2720	912	2090	9910	31300	1190	335	342	267
15	266	295	379	2210	786	2200	17000	30500	1120	386	322	288
16	253	287	377	1610	734	2000	21800	20000	1220	333	313	285
17	249	484	1130	1350	886	1790	19500	13600	1140	313	311	272
18	354	275	2210	1240	4600	1450	12000	10000	842	316	309	267
19	257	273	2430	1080	23900	1340	9040	7730	1050	313	335	306
20	252	271	4090	1030	61400	1270	7260	7730	1170	300	361	246
21	252	273	17800	982	53600	1160	5950	5840	869	440	402	245
22	424	280	47200	901	29200	962	4430	4900	2410	308	349	246
23	281	304	70500	814	19200	1630	3030	4190	2030	294	299	249
24	272	290	45600	771	13700	2060	2130	3080	2090	287	309	794
25	295	282	23900	765	13200	2550	1430	2900	3770	341	452	1820
26	292	281	13100	740	9020	2370	1220	10400	2750	415	610	903
27	302	278	8440	812	6040	2230	1450	56000	2570	405	396	707
28	288	660	7740	844	4490	2010	8250	89500	1350	321	360	354
29	283	348	6180	878	---	9460	17200	48600	957	303	343	295
30	281	359	7360	1250	---	12400	31200	21000	1310	337	374	291
31	275	---	9080	1020	---	18700	---	11400	---	301	579	---
TOTAL	9237	10232	288202	67727	257248	122002	238730	552010	71588	12986	11030	12447
MEAN	298	341	9297	2185	9187	3936	7958	17810	2386	419	356	415
MAX	453	730	70500	6370	61400	18700	31200	89500	7740	1000	610	1820
MIN	249	246	297	740	727	962	1220	2900	842	287	259	245
CFSM	.24	.28	7.58	1.78	7.49	3.21	6.49	14.5	1.95	.34	.29	.34
IN.	.28	.31	8.74	2.06	7.81	3.70	7.24	16.75	2.17	.39	.33	.38
CAL YR 1990	TOTAL	901006	MEAN	2469	MAX	70500	MIN	246	CFSM	2.01	IN	27.34
WTR YR 1991	TOTAL	1653439	MEAN	4530	MAX	89500	MIN	245	CFSM	3.70	IN	50.17

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.96	3.84	4.15	11.39	5.41	10.16	15.47	19.64	12.33	4.82	3.83	4.38
2	3.88	3.84	3.92	10.78	5.11	12.74	13.27	16.63	10.69	4.93	3.81	4.37
3	3.84	3.81	9.04	10.39	5.03	11.92	10.81	13.98	9.49	4.74	3.81	4.02
4	4.32	3.73	9.12	8.30	5.05	12.13	9.35	12.31	11.12	5.49	4.08	3.94
5	3.98	3.75	7.50	7.05	5.48	10.97	8.17	12.22	9.83	4.95	3.78	4.14
6	4.06	3.85	8.35	6.20	7.65	10.14	7.34	14.30	8.66	4.54	3.81	3.88
7	3.95	3.85	7.25	8.63	7.24	8.99	7.12	---	7.89	4.32	3.82	4.22
8	4.12	3.88	5.52	8.35	6.95	7.72	8.35	---	6.63	4.52	3.84	4.08
9	3.86	4.83	4.83	8.10	5.93	7.54	10.50	---	6.56	4.23	4.17	4.01
10	4.02	4.87	4.77	8.27	5.65	7.06	9.51	14.28	6.03	4.17	4.27	4.02
11	3.90	4.32	4.32	9.85	5.29	6.56	9.34	16.49	5.89	4.14	4.13	4.10
12	3.83	4.21	4.18	8.25	5.28	6.40	9.33	---	5.81	4.10	4.46	4.06
13	3.81	3.97	4.12	8.49	5.24	7.00	8.72	19.50	5.96	4.06	4.14	3.88
14	3.79	3.93	4.13	7.64	5.36	6.99	13.62	20.74	5.80	4.05	4.07	3.81
15	3.80	3.91	4.10	7.08	5.15	7.05	18.25	20.07	5.71	4.18	4.01	3.89
16	3.75	3.88	4.09	6.38	5.05	6.82	18.27	17.48	5.82	4.04	3.97	3.88
17	3.74	4.35	5.56	6.04	5.32	6.59	17.09	15.19	5.68	3.98	3.97	3.83
18	4.07	3.84	7.13	5.89	9.72	6.16	14.72	13.63	5.19	3.99	3.96	3.81
19	3.77	3.83	7.49	5.65	20.09	6.01	14.28	12.34	5.55	3.98	4.05	3.92
20	3.75	3.82	8.98	5.57	24.90	5.90	12.18	12.34	5.70	3.93	4.13	3.73
21	3.75	3.83	18.10	5.49	23.76	5.75	11.06	10.96	5.25	4.29	4.23	3.73
22	4.26	3.86	22.98	5.36	19.86	5.46	9.58	10.06	7.47	3.96	4.08	3.73
23	3.86	3.94	25.51	5.20	18.32	6.89	8.08	9.31	7.08	3.91	3.93	3.74
24	3.83	3.90	22.55	5.12	15.92	7.00	7.03	8.05	7.13	3.88	3.96	4.86
25	3.91	3.87	18.35	5.11	14.99	7.46	6.14	7.86	9.16	4.04	4.29	6.59
26	3.90	3.86	14.91	5.06	13.09	7.24	5.85	14.57	7.70	4.27	4.70	5.21
27	3.94	3.85	12.76	5.18	11.10	7.10	6.30	24.25	7.48	4.24	4.24	4.87
28	3.89	4.70	12.93	5.24	9.63	6.84	13.29	26.86	6.01	4.00	4.13	4.11
29	3.87	4.09	11.36	5.27	---	13.97	18.60	23.17	5.43	3.94	4.08	3.91
30	3.86	4.12	12.04	5.90	---	16.34	20.94	17.97	5.96	4.03	4.17	3.89
31	3.84	---	13.40	5.55	---	16.86	---	14.40	---	3.93	4.68	---
MEAN	3.91	4.01	9.79	6.99	9.91	8.57	11.42	---	7.17	4.25	4.08	4.15
MAX	4.32	4.87	25.51	11.39	24.90	16.86	20.94	---	12.33	5.49	4.70	6.59
MIN	3.74	3.73	3.92	5.06	5.03	5.46	5.85	---	5.19	3.88	3.78	3.79

CAL YR 1990 MEAN 6.33 MAX 25.51 MIN 3.73

02433500 TOMBIGBEE RIVER AT BIGBEE, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1969-71, 1989 to current year.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
OCT				
03...	0930	272	32	24
NOV				
06...	1340	278	18	14
DEC				
12...	0945	410	29	32
JAN				
29...	1400	736	36	72
FEB				
20...	1350	68600	221	40900
MAR				
05...	1100	5840	74	1170
APR				
24...	1130	1670	53	239

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 upstream from Kings Creek, 0.2 mi downstream from Mud Creek, 0.4 mi downstream from St. Louis and San Francisco Railroad, 2.0 mi upstream from Tulip Creek, and 22.8 mi upstream from mouth.

DRAINAGE AREA.--233 mi², includes that of Kings Creek.

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

REVISED RECORDS.--WDR MS 80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 230.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Oct. 1-3, Mar. 9-12, 15-22, 25-28, Mar. 30 to Apr. 2, Apr. 30 to May 11, 15-25, May 29 to June 19, July 12-24, July 26 to Aug. 25, 28, Aug. 30 to Sept. 8, 11-24, 27-30. Records fair except for estimated daily discharges, which are poor. National Weather Service telemeter at station.

AVERAGE DISCHARGE.--21 years, 433 ft³/s, 25.24 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,900 ft³/s, May 27, 1991, gage height, 27.80 ft, minimum, .42 ft³/s, Aug. 25, 1988.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 22	0430	13,700	23.03	Apr. 29	1430	14,200	23.19
Feb. 19	1915	27,100	26.19	May 13	0100	14,800	23.44
Mar. 29	1030	10,200	22.28	May 27	0545	*37,900	*27.80

Minimum daily discharge, 2.4 ft³/s, Oct. 1-2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	9.5	13	510	97	1850	980	2140	1210	64	8.8	7.7
2	2.4	8.9	19	380	86	1340	680	1590	1070	51	8.2	6.6
3	2.5	9.4	2920	270	80	1010	490	1140	900	45	8.2	6.6
4	49	9.5	496	229	78	682	429	800	930	41	8.2	6.1
5	30	14	127	197	210	467	744	3060	700	33	8.2	5.7
6	15	14	85	198	1160	397	442	2490	520	29	7.7	5.3
7	21	13	67	2240	410	353	322	1020	450	33	7.7	5.3
8	22	13	56	606	244	460	1400	1800	380	26	7.7	35
9	14	55	48	329	187	335	915	2800	280	24	7.2	45
10	11	76	44	1550	157	315	492	2300	240	20	7.2	42
11	9.9	22	39	1360	128	295	267	1800	200	18	16	19
12	9.3	13	37	622	125	275	319	5640	170	15	19	10
13	8.9	11	36	361	118	947	578	7530	150	14	12	7.1
14	8.7	9.9	34	262	145	419	5260	4480	130	14	10	5.7
15	8.1	9.5	35	251	102	320	4270	2280	110	13	8.8	5.3
16	7.8	11	37	253	77	315	1520	1660	90	13	8.2	5.3
17	7.8	11	950	212	126	300	1010	1480	70	13	7.1	4.9
18	20	12	963	180	8470	280	2480	1310	100	13	7.1	4.9
19	12	12	427	168	23700	250	2360	1280	62	12	6.7	4.5
20	11	12	2230	167	7830	235	1110	2050	54	12	6.7	4.5
21	11	12	5310	143	2450	210	752	1450	396	12	6.7	4.5
22	12	17	8570	117	2750	290	614	1260	625	12	6.2	4.5
23	14	18	3350	104	4190	2200	497	1210	745	11	6.2	4.5
24	12	15	1300	100	1640	569	408	1180	1650	16	6.2	128
25	11	15	778	90	1260	390	323	1160	1090	87	28	163
26	9.6	14	597	84	962	350	245	1560	310	15	55	30
27	9.5	13	1140	82	787	315	577	26200	185	11	22	15
28	9.5	53	1920	107	655	340	7600	4160	134	10	20	10
29	9.3	25	874	101	---	6830	9850	2850	103	9.0	18	7.1
30	9.4	14	1160	213	---	2950	4180	1800	80	9.0	12	4.9
31	9.5	---	1030	139	---	1420	---	1420	---	8.8	9.0	---
TOTAL	389.6	541.7	34692	11625	58224	26709	51114	92900	13134	703.8	370.0	608.0
MEAN	12.6	18.1	1119	375	2079	862	1704	2997	438	22.7	11.9	20.3
MAX	49	76	8570	2240	23700	6830	9850	26200	1650	87	55	163
MIN	2.4	8.9	13	82	77	210	245	800	54	8.8	6.2	4.5
CFSM	.05	.08	4.80	1.61	8.92	3.70	7.31	12.9	1.88	.10	.05	.09
IN.	.06	.09	5.54	1.86	9.30	4.26	8.16	14.83	2.10	.11	.06	.10

CAL YR 1990	TOTAL	144012.5	MEAN	395	MAX	8970	MIN	2.3	CFSM	1.70	IN	22.99
WTR YR 1991	TOTAL	291011.1	MEAN	797	MAX	26200	MIN	2.4	CFSM	3.42	IN	46.46

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

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	2.69	2.74	4.08	3.02	7.70	---	---	---	2.80	---	---
2	---	2.69	2.81	3.76	2.99	6.28	---	---	---	2.75	---	---
3	---	2.70	10.78	3.49	2.97	5.29	4.03	---	---	2.71	---	---
4	2.92	2.70	4.04	3.39	2.96	4.49	3.89	---	---	2.69	---	---
5	2.85	2.76	3.11	3.31	3.30	3.97	4.63	---	---	2.64	---	---
6	2.73	2.76	2.98	3.31	5.73	3.81	3.91	---	---	2.61	---	---
7	2.76	2.76	2.92	8.78	3.84	3.70	3.62	---	---	2.63	---	---
8	2.80	2.75	2.87	4.30	3.43	3.96	6.50	---	---	2.58	---	---
9	2.73	3.01	2.83	3.64	3.28	---	5.08	---	---	2.56	---	2.66
10	2.70	3.14	2.81	6.92	3.20	---	4.03	---	---	2.52	---	2.65
11	2.68	2.83	2.79	6.30	3.11	---	3.48	---	---	2.49	---	---
12	2.67	2.75	2.77	4.34	3.10	---	3.61	12.49	---	---	---	---
13	2.66	2.72	2.76	3.72	3.08	5.20	4.24	20.06	---	---	---	---
14	2.66	2.71	2.75	3.47	3.16	3.86	16.29	15.50	---	---	---	---
15	2.65	2.70	2.76	3.44	3.04	---	15.17	---	---	---	---	---
16	2.65	2.72	2.77	3.45	2.96	---	6.70	---	---	---	---	---
17	2.65	2.73	5.18	3.35	3.10	---	5.28	---	---	---	---	---
18	2.80	2.74	5.17	3.27	15.58	---	9.00	---	---	---	---	---
19	2.72	2.74	3.87	3.23	25.47	---	9.57	---	---	---	---	---
20	2.70	2.74	7.98	3.23	19.58	---	5.54	---	2.79	---	---	---
21	2.70	2.74	17.02	3.16	9.43	---	4.65	---	3.70	---	---	---
22	2.71	2.79	21.37	3.08	9.68	---	4.32	---	4.30	---	---	---
23	2.74	2.81	12.36	3.04	14.78	8.72	4.04	---	4.61	---	---	---
24	2.73	2.77	6.08	3.03	7.06	4.22	3.83	---	7.08	---	---	---
25	2.71	2.77	4.71	3.00	5.94	---	3.62	---	5.57	2.79	---	3.01
26	2.69	2.77	4.29	2.98	5.15	---	3.43	20.57	3.50	---	2.75	2.54
27	2.69	2.75	5.73	2.97	4.74	---	4.27	26.10	3.19	---	2.55	---
28	2.69	3.01	7.88	3.05	4.42	---	18.18	15.84	3.04	---	---	---
29	2.69	2.86	4.95	3.03	---	19.20	22.21	---	2.95	---	2.52	---
30	2.69	2.77	5.70	3.34	---	---	---	---	2.87	---	---	---
31	2.69	---	5.39	3.14	---	---	---	---	---	---	---	---
MEAN	---	2.78	5.55	3.76	6.36	---	---	---	---	---	---	---
MAX	---	3.14	21.37	8.78	25.47	---	---	---	---	---	---	---
MIN	---	2.69	2.74	2.97	2.96	---	---	---	---	---	---	---

02436500 TOWN CREEK NEAR NETTLETON, MS

LOCATION.--Lat 34°03'32", long 88°37'40", in NW4 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, 1.5 mi downstream from Chiwapa Creek, 2.1 mi south of Nettleton, and 9.2 mi upstream from mouth.

DRAINAGE AREA.--620 mi².

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. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 194.01 ft above National Geodetic Vertical Datum of 1929 (levels by U. S. Army Corps of Engineers). Prior to Oct. 1, 1947, at datum 10.00 ft higher.

REMARKS.--Estimated daily discharges: Jan. 5,6,13-28, Feb. 2-5,15-17, Mar. 6-7,29-31, Apr. 1-2,4,6,8,11,24-27,31, May 1,13-15,23-25,27-28, June 8-17, Sept. 27-30. Records good except for estimated daily discharges, which are poor. Satellite telemeter and U.S. Army Corps of Engineers radio telemeter at station.

AVERAGE DISCHARGE.--52 years, 986 ft³/s, 21.60 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 151,000 ft³/s, Mar. 22, 1955, gage height, 33.88 ft, minimum, 0.8 ft³/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, present datum, from floodmark.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 15,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 22	1200	41,300	29.15	Apr. 29	2100	39,200	28.92
Feb. 19	1715	56,600	30.85	May 5	1445	18,900	24.76
Feb. 23	0215	19,400	25.72	May 9	0045	15,100	23.29
Mar. 29	----	unknown	unknown	May 13	0215	30,200	27.89
Apr. 15	0400	25,400	27.15	May 27	unknown	*62,200	*31.48
Apr. 18	1630	16,700	24.05				

Minimum daily discharge, 16 ft³/s, Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	28	83	1480	366	6800	2080	5600	2740	252	39	93
2	19	51	83	1070	300	4640	1570	3010	2250	218	36	72
3	16	68	5910	963	270	3590	1270	2400	1960	191	33	58
4	168	67	1460	774	260	2250	1080	2330	1770	174	30	53
5	180	83	440	710	650	1420	1550	9200	1400	159	27	49
6	70	94	301	700	3550	1110	1250	7330	1120	146	27	40
7	42	92	239	6060	1290	880	1050	2350	865	139	26	38
8	109	88	205	2040	742	955	3240	5570	730	129	25	66
9	82	234	179	1150	558	825	3050	8370	663	123	27	300
10	44	400	159	4580	473	581	1530	6550	592	110	51	84
11	36	189	146	3710	402	502	1480	4710	520	101	40	72
12	31	128	134	1740	366	490	1380	9130	460	92	41	54
13	31	98	126	1060	373	1420	1540	17000	422	86	29	43
14	28	79	117	920	432	853	16300	13500	380	84	26	38
15	28	74	113	840	323	602	18900	5300	340	76	23	35
16	29	72	132	770	286	479	4940	4080	270	71	22	33
17	30	70	1960	662	400	439	2810	2540	330	71	24	34
18	87	66	2260	615	14600	556	7970	2640	320	71	27	32
19	62	67	1230	590	48700	459	7690	2590	253	65	38	29
20	37	69	7650	570	30100	385	3040	2990	234	60	29	26
21	30	66	28300	550	9620	353	2160	1430	393	109	27	24
22	40	69	32900	520	9250	349	1730	1040	2690	67	25	24
23	62	109	20100	493	14400	3360	1500	835	1660	56	22	23
24	48	81	6160	470	4590	963	1100	722	2560	51	23	236
25	39	72	3160	450	3120	603	968	805	3010	168	623	1660
26	32	69	2200	430	2660	443	912	28600	890	148	745	246
27	30	67	2660	415	2240	362	2620	57500	565	87	156	110
28	29	259	7130	490	1870	553	20500	34400	434	68	201	72
29	28	180	2780	390	---	15200	30300	8530	355	56	181	56
30	29	102	4940	852	---	6820	17500	4770	295	50	387	47
31	28	---	3460	555	---	2820	---	3850	---	44	130	---
TOTAL	1542	3191	136717	36619	152191	61062	163010	259672	30471	3322	3140	3747
MEAN	49.7	106	4410	1181	5435	1970	5434	8377	1016	107	101	125
MAX	180	400	32900	6060	48700	15200	30300	57500	3010	252	745	1660
MIN	16	28	83	390	260	349	912	722	234	44	22	23
CFSM	.08	.17	7.11	1.91	8.77	3.18	8.77	13.5	1.64	.17	.16	.20
IN.	.09	.19	8.20	2.20	9.13	3.66	9.78	15.58	1.83	.20	.19	.22

CAL YR 1990	TOTAL	478016.7	MEAN	1310	MAX	32900	MIN	8.0	CFSM	2.11	IN	28.68
WTR YR 1991	TOTAL	854684.0	MEAN	2342	MAX	57500	MIN	16	CFSM	3.78	IN	51.28

02436500 TOWN CREEK NEAR NETTLETON, MS--Continued

WATER-QUALITY RECORDS

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

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT					
01...	1505	24	31	2.0	--
NOV					
06...	1125	91	33	8.1	--
DEC					
11...	1400	142	51	20	--
JAN					
28...	1415	496	134	179	--
FEB					
05...	2030	2000	1250	6750	53
05...	2130	2640	1130	8050	58
06...	0400	4770	820	10600	53
06...	1100	3990	657	7080	64
06...	1400	3440	561	5210	--
MAR					
07...	1230	873	192	453	--
APR					
18...	2030	15900	1960	84100	60
18...	2115	15600	1800	75800	68
19...	0845	9920	641	17200	73
19...	1125	8000	593	12800	--
24...	0845	1200	196	635	--
JUN					
04...	1305	1780	226	1090	--
AUG					
27...	1055	136	755	277	--

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	SED. SUSP. DIAM. % FINER THAN .002 MM (70337)	SED. SUSP. DIAM. % FINER THAN .004 MM (70338)	SED. SUSP. DIAM. % FINER THAN .008 MM (70339)	SED. SUSP. DIAM. % FINER THAN .016 MM (70340)	SED. SUSP. DIAM. % FINER THAN .031 MM (70341)	SED. SUSP. DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. DIAM. % FINER THAN .500 MM (70345)
FEB										
06...	0400	24	27	30	37	48	53	67	92	100
APR										
18...	2115	30	32	37	45	57	68	85	97	100

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK) (00002)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM (80164)	BED MAT. SIEVE DIAM. % FINER THAN .125 MM (80165)	BED MAT. SIEVE DIAM. % FINER THAN .250 MM (80166)	BED MAT. SIEVE DIAM. % FINER THAN .500 MM (80167)	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM (80168)
FEB							
06...	0402	25.0	1	7	64	100	--
06...	0404	50.0	1	2	18	82	100
06...	0406	75.0	1	2	30	98	100
APR							
18...	2117	25.0	1	1	13	81	100
18...	2119	50.0	<1	1	17	95	100
18...	2121	75.0	<1	2	27	94	99

02437100 TOMBIGBEE RIVER AT ABERDEEN LOCK AND DAM AT ABERDEEN, MS

LOCATION.--Lat. 33°49'47", long 88°31'17" in SW¼ sec. 22, T.14 S., R.19 W., Huntsville Meridian, Hydrologic Unit 03160101, Monroe County, 0.85 mi upstream from (02447500) Tombigbee River at Aberdeen and at mile 362.98.

DRAINAGE AREA.--2,047 mi².

PERIOD OF RECORD.--August 1928 to September 1958, October 1958 to September 1971 (annual maximums only), October 1971, September 1982, May 1984 to current year. Prior to October 1982, published as "02437100 Tombigbee River at Aberdeen." Daily mean gage-heights published from October 1971 to September 1982. Gage-height records collected at site 0.45 mi upstream since 1909 are contained in reports of National Weather Service.

GAGE.--Water-stage, gate-position, and lockage recorder. Datum of gage is 150 ft above national Geodetic Vertical Datum of 1929 (levels by U. S. Army Corps of Engineers). Prior to October 1, 1982, water-stage recorder at site 0.85 mi downstream at datum 4.71 ft higher (see 02437500 Tombigbee River at Aberdeen, MS).

REMARKS.--No estimated daily discharges. Records fair above 1,000 ft³/s (28.3 m³/s) and poor below due to variable backwater from Columbus Lock and Dam. Regulation for maintenance of navigational pool only.

AVERAGE DISCHARGE.--48 years, 3,388 ft³/s, 22.48 in/yr.

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

EXTREMES FOR CURRENT PERIOD.--May 1984 to September 1984: Maximum discharge, 45,400 ft³/s, May 9, gage-height, 25.82 ft, minimum daily, 127 ft³/s, Sept. 3, 16, 18, and 20.

Water year 1985: Maximum discharge, 30,800 ft³/s, February 12, gage-height, 22.12 ft, minimum daily, 77 ft³/s, June 15.

Water year 1986: Maximum discharge, 18,700 ft³/s, March 13, gage-height, 16.45 ft, minimum daily, 160 ft³/s, August 3.

Water year 1987: Maximum discharge, 38,300 ft³/s, March 1, gage-height, 24.28 ft, minimum daily, 185 ft³/s, September 27.

Water year 1988: Maximum discharge, 20,600 ft³/s, January 20, gage-height, 17.88 ft, minimum daily, 227 ft³/s, August 12.

Water year 1989: Maximum discharge, 46,200 ft³/s, January 15, gage-height, 26.60 ft, minimum daily, 335 ft³/s, October 13.

Water year 1990: Maximum discharge, 39,000 ft³/s, February 11, gage-height, 23.97 ft, minimum daily, 188 ft³/s, August 8.

Water year 1991: Maximum discharge, 103,000 ft³/s, May 28, gage-height, 40.22 ft, minimum daily, 225 ft³/s, October 29.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								---	1970	323	397	282
2								---	1480	778	327	209
3								25500	1100	243	306	127
4								33400	911	225	308	336
5								30900	946	271	592	208
6								23100	428	457	350	137
7								13700	1010	700	649	152
8								24000	481	480	244	233
9								43400	955	533	294	137
10								35400	515	338	430	406
11								20500	521	316	349	454
12								13000	596	341	338	320
13								9450	609	552	142	263
14								7470	608	437	462	324
15								4660	304	319	287	345
16								3930	651	455	364	127
17								2570	392	470	324	148
18								2410	385	536	336	127
19								2200	641	484	288	148
20								1750	443	766	375	127
21								2220	611	625	400	148
22								2260	402	192	328	138
23								1960	1430	297	440	216
24								2240	815	297	369	207
25								1540	496	249	375	138
26								1630	460	255	152	138
27								2080	650	407	390	159
28								8300	377	398	131	516
29								5950	389	331	340	169
30								3470	783	353	378	148
31								2650	---	319	342	---
TOTAL								---	21359	12747	10807	6587
MEAN								---	712	411	349	220
MAX								---	1970	778	649	516
MIN								---	304	192	131	127
CFSM								---	.35	.20	.17	.11
IN.								---	.39	.23	.20	.12

02437100 TOMBIGBEE RIVER AT ABERDEEN LOCK AND DAM AT ABERDEEN, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	153	1240	4150	1780	9840	3940	5680	11500	1120	1530	931	818
2	270	2200	4570	1320	5060	3360	4040	25600	591	483	1020	756
3	369	1100	4730	1680	4320	2640	3260	17900	934	1320	1460	880
4	589	1050	3240	2130	3530	2650	2850	12700	534	449	895	988
5	513	607	2470	2000	5920	2450	3100	7690	370	977	652	1260
6	135	2270	2370	1760	10500	2560	2880	5840	344	1170	1440	774
7	201	682	1880	1680	9420	1960	3100	4500	758	640	1030	971
8	781	665	1540	1780	7270	2090	2380	8840	446	831	884	1040
9	518	804	1210	1740	6820	1590	2090	11800	419	525	629	2930
10	668	904	1620	1540	7790	2040	2190	7300	1230	587	719	1290
11	662	1340	1600	2310	18900	1760	1710	6120	763	232	966	1170
12	608	1500	1780	1130	24400	2500	1590	4880	2010	548	456	611
13	450	670	1730	525	14400	1200	1710	3150	899	387	789	402
14	202	624	1710	1240	13300	2050	1700	2650	1060	492	430	644
15	331	822	1220	1690	10600	1420	2530	2350	77	678	667	435
16	295	1110	1210	1830	7660	1330	3090	2030	2430	1410	1940	499
17	1050	1070	1390	10500	5740	1650	2260	1600	429	623	9860	455
18	1030	1230	1070	5000	4310	1760	1990	1310	3430	653	3150	471
19	794	9350	1090	4170	3430	1520	2350	1500	2090	748	2260	394
20	832	4430	985	3260	4200	1710	1520	1590	1090	801	1580	691
21	1880	3610	1240	2490	3030	2000	1370	1280	732	1390	1560	303
22	6230	3790	1210	2150	3540	4750	1540	2040	449	745	599	595
23	10700	3070	1090	1910	3270	4400	1340	1060	998	289	770	1480
24	6940	2500	1230	2160	10200	3680	12100	1080	956	1060	715	974
25	3780	1810	1450	2070	10000	2990	8930	1940	579	840	2080	702
26	3000	1380	1550	1730	7650	2410	5790	714	685	1310	2740	528
27	2190	2450	1320	1640	5720	2480	7570	1250	940	3490	1230	619
28	1990	8480	1460	2470	4960	3010	5970	1340	1940	2020	1070	190
29	1820	4550	1510	2850	---	2660	4220	662	1430	2030	1090	662
30	1250	4210	1320	2800	---	2190	3060	722	1150	500	813	779
31	615	---	1350	3900	---	6940	---	2240	---	1190	669	---
TOTAL	50846	69518	56295	75235	225780	79690	103910	155178	30883	29948	45094	24311
MEAN	1640	2317	1816	2427	8064	2571	3464	5006	1029	966	1455	810
MAX	10700	9350	4730	10500	24400	6940	12100	25600	3430	3490	9860	2930
MIN	135	607	985	525	3030	1200	1340	662	77	232	430	190
CFSM	.80	1.13	.89	1.19	3.94	1.26	1.69	2.45	.50	.47	.71	.40
IN.	.92	1.26	1.02	1.37	4.11	1.45	1.89	2.82	.56	.54	.82	.44

WTR YR 1985 TOTAL 946688 MEAN 2594 MAX 25600 MIN 77 CFSM 1.27 IN 17.22

MOBILE RIVER BASIN

02437100 TOMBIGBEE RIVER AT ABERDEEN LOCK AND DAM AT ABERDEEN, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1290	4200	2220	1120	1010	1110	1520	537	4510	1720	276	549
2	1450	3980	3930	1240	906	1030	1240	510	3660	852	288	543
3	581	4130	2250	1180	965	1440	1700	411	2750	1020	160	387
4	635	3530	2000	1030	864	1450	1000	428	3240	1270	211	354
5	1270	2600	1340	1170	1920	820	793	352	2330	360	308	438
6	781	1910	1830	818	1140	1100	723	388	6090	930	380	564
7	591	1720	1170	1050	1610	1460	1170	618	13500	1020	289	730
8	349	1300	1200	1060	1320	664	1470	474	11800	324	402	479
9	318	1310	1610	656	1140	1580	794	465	9320	481	823	329
10	481	1690	1110	1280	1090	681	947	598	9640	390	1080	285
11	512	861	2020	835	1340	1210	965	1240	9780	797	1380	344
12	545	1300	3810	1340	1470	2680	727	2300	11600	327	1220	698
13	866	1060	5280	676	760	12200	1010	1220	8400	623	1300	636
14	1030	1220	3420	651	1760	5890	1000	724	7690	1140	480	730
15	4800	1300	2070	1220	2760	6560	663	822	7490	468	467	182
16	2800	1550	2270	799	2350	4280	1050	348	4990	979	991	405
17	1700	2410	1390	745	5050	3580	548	579	3370	590	609	499
18	1330	2970	2080	958	16000	2490	778	1750	1970	757	740	380
19	1240	2240	1110	1120	8880	14500	788	1380	1670	766	916	263
20	1380	2170	1920	1110	6270	8290	1220	1140	1080	699	396	407
21	1460	2160	772	973	4980	5890	935	708	1340	589	394	454
22	1050	1170	1610	833	3820	5260	1020	809	1050	527	642	1580
23	5120	1280	1580	1130	2490	4470	506	759	1160	210	512	574
24	10200	1620	1540	1040	2290	2990	803	755	1030	257	474	374
25	5210	1880	1390	956	1570	2350	567	1840	1760	327	559	599
26	3760	1030	1070	1220	1760	2370	958	3330	897	187	472	291
27	3170	1540	1020	835	1510	1980	544	4940	906	1010	317	233
28	3480	3400	1200	479	1990	1560	1170	8300	2130	257	927	846
29	2070	2750	749	1230	---	1580	387	5970	1270	275	487	573
30	2000	2220	1140	920	---	1530	873	4830	1520	197	562	390
31	4490	---	2060	653	---	1390	---	4440	---	186	676	---
TOTAL	65959	62501	58161	30327	79015	104385	27869	52965	137943	19535	18738	15116
MEAN	2128	2083	1876	978	2822	3367	929	1709	4598	630	604	504
MAX	10200	4200	5280	1340	16000	14500	1700	8300	13500	1720	1380	1580
MIN	318	861	749	479	760	664	387	348	897	186	160	182
CFSM	1.04	1.02	.92	.48	1.38	1.65	.45	.84	2.25	.31	.30	.25
IN.	1.20	1.14	1.06	.55	1.44	1.90	.51	.96	2.51	.36	.34	.27
CAL YR 1985	TOTAL	956650	MEAN	2621	MAX	25600	MIN	77	CFSM	1.28	IN	17.40
WTR YR 1986	TOTAL	672514	MEAN	1843	MAX	16000	MIN	160	CFSM	.90	IN	12.23

02437100 TOMBIGBEE RIVER AT ABERDEEN LOCK AND DAM AT ABERDEEN, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	270	1230	8380	2370	2290	36500	2510	751	1000	1290	232	635
2	427	1720	6330	2470	3790	27100	2790	1090	988	3540	264	256
3	619	880	4260	1880	3590	18600	1690	931	920	2690	221	215
4	426	793	3520	2210	3060	12000	2210	1180	1170	2090	387	530
5	531	929	2240	1900	2290	8950	1800	937	379	1220	649	239
6	348	681	2490	1900	2820	6400	2250	887	746	1250	1170	216
7	346	2070	2130	1820	3500	5080	1960	970	495	951	545	268
8	296	3910	4370	1890	2110	5440	1660	1280	741	970	420	720
9	1400	13400	13900	1640	2580	6800	1720	775	502	1130	386	753
10	389	9270	22200	2120	1820	5100	1590	829	474	1350	246	593
11	530	5840	17200	1920	1710	4280	1750	1060	739	423	241	1370
12	1190	6570	18000	2240	1690	3500	1810	1900	399	1130	348	885
13	2270	5270	13300	1360	1840	3040	2080	874	1240	315	452	405
14	1320	4580	9400	1140	1520	2620	3960	1440	794	453	286	766
15	470	3110	7250	2160	2630	2760	3780	1570	1060	398	244	308
16	443	2600	5170	1380	10100	2890	3910	1320	1740	485	326	521
17	444	1660	3610	2160	6520	2000	3420	1580	3000	541	289	352
18	938	1360	3450	9400	5060	6490	2190	1420	1790	537	309	279
19	410	1860	2830	21500	4420	8340	1970	1030	2740	513	1300	616
20	973	2790	2370	10100	3820	6390	2130	875	2930	265	238	584
21	695	2140	2730	7770	4730	5890	1140	918	1800	452	288	254
22	731	2530	1780	6880	10800	5720	1710	1570	3850	430	337	240
23	463	10600	6530	5100	16200	4060	1730	1410	1820	441	343	312
24	2190	31200	14400	3620	7900	5840	1540	2520	4160	441	331	403
25	9770	29300	8740	5300	7350	5120	1150	3010	2590	802	351	321
26	3070	32500	7920	7740	10100	3720	1100	3150	2310	732	330	289
27	2790	26500	7070	4470	29800	3140	1410	2350	835	408	350	185
28	1730	17300	5760	4990	30800	2890	583	1590	1340	345	393	322
29	1370	12400	4160	3580	---	2710	1230	943	693	330	328	416
30	971	9640	3550	3630	---	2810	850	1170	706	317	214	385
31	878	---	2580	2610	---	2050	---	1460	---	252	252	---
TOTAL	38698	244633	217620	129250	184840	218230	59623	42790	43951	26491	12070	13638
MEAN	1248	8154	7020	4169	6601	7040	1987	1380	1465	855	389	455
MAX	9770	32500	22200	21500	30800	36500	3960	3150	4160	3540	1300	1370
MIN	270	681	1780	1140	1520	2000	583	751	379	252	214	185
CFSM	.61	3.99	3.43	2.04	3.23	3.44	.97	.68	.72	.42	.19	.22
IN.	.70	4.45	3.96	2.35	3.36	3.97	1.08	.78	.80	.48	.22	.25

CAL YR 1986 TOTAL 986844 MEAN 2704 MAX 32500 MIN 160 CFSM 1.32 IN 17.95
WTR YR 1987 TOTAL 1231834 MEAN 3375 MAX 36500 MIN 185 CFSM 1.65 IN 22.41

MOBILE RIVER BASIN

02437100 TOMBIGBEE RIVER AT ABERDEEN LOCK AND DAM AT ABERDEEN, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	443	542	1680	4330	1910	1360	5270	1080	318	1470	954	320
2	456	863	1140	3930	3700	1540	10900	833	460	1060	800	488
3	353	539	1220	2600	4430	2030	10300	852	252	988	867	698
4	261	696	1220	3020	3490	6650	5450	1460	345	632	434	999
5	263	1090	763	1440	3390	4780	4490	820	497	771	446	509
6	272	596	655	1900	2380	3250	3490	890	306	739	531	594
7	277	564	1120	2490	2000	2680	2970	500	292	1180	608	374
8	277	540	934	1500	1910	2640	2260	986	280	647	431	297
9	267	913	922	2300	1660	4850	2120	570	330	887	657	387
10	305	4430	1380	1340	1760	7020	2090	1230	402	731	955	432
11	466	1660	591	1650	2310	4050	1840	804	276	1010	392	451
12	544	1350	696	1060	1690	3930	3200	1050	379	691	227	550
13	435	745	727	4530	2040	3360	3400	739	472	1500	250	514
14	466	814	1170	3390	1540	3110	3510	864	361	1170	712	414
15	438	1010	1530	2730	11500	2150	2440	787	435	943	415	528
16	480	1090	617	1750	7410	2060	1860	1160	298	896	544	1760
17	437	2940	1170	3780	4860	2070	1450	453	390	854	595	3180
18	481	1450	801	5520	4760	1940	3370	652	442	917	485	2720
19	641	1520	925	10300	4940	1660	6010	494	613	631	443	1210
20	630	568	1250	15100	4530	1770	4250	520	709	720	721	1120
21	961	738	1240	7470	3580	1680	2900	561	520	1730	720	614
22	580	714	762	7070	2150	1330	2340	1180	944	598	504	323
23	441	571	624	6430	2820	1490	2300	1380	374	984	596	309
24	442	988	4550	4630	1570	1350	3130	1180	414	1370	678	638
25	461	665	6620	2460	2250	2290	2880	821	479	1040	587	2060
26	658	875	4870	2760	1560	1470	2510	702	598	825	659	1360
27	1160	1040	9550	1850	1760	1800	2060	423	1330	893	367	1180
28	420	6110	14100	1650	1370	1100	2120	1020	418	495	429	803
29	408	4180	7500	1960	1590	1480	1080	972	712	446	493	4650
30	420	2110	5190	1330	---	3180	1170	854	738	1020	470	5640
31	564	---	5710	1850	---	3780	---	603	---	887	458	---
TOTAL	14707	41911	81227	114120	90860	83850	103160	26440	14384	28725	17428	35122
MEAN	474	1397	2620	3681	3133	2705	3439	853	479	927	562	1171
MAX	1160	6110	14100	15100	11500	7020	10900	1460	1330	1730	955	5640
MIN	261	539	591	1060	1370	1100	1080	423	252	446	227	297
CFSM	.23	.68	1.28	1.80	1.53	1.32	1.68	.42	.23	.45	.28	.57
IN.	.27	.76	1.48	2.08	1.65	1.53	1.88	.48	.26	.52	.32	.64
CAL YR 1987	TOTAL	868728	MEAN	2380	MAX	36500	MIN	185	CFSM	1.16	IN	15.80
WTR YR 1988	TOTAL	651934	MEAN	1781	MAX	15100	MIN	227	CFSM	.87	IN	11.86

02437100 TOMBIGBEE RIVER AT ABERDEEN LOCK AND DAM AT ABERDEEN, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6150	835	2480	16200	4900	23600	4870	4240	1370	11700	1520	668
2	7230	1430	2000	9790	3810	14300	3960	2850	2340	12400	2280	778
3	4060	613	1860	9340	4650	10900	3500	1780	1970	8470	1120	750
4	2800	1010	1580	8350	3860	9130	10600	3350	6110	10300	1250	785
5	2010	1260	1200	6210	4510	25000	16700	8960	12200	12700	885	439
6	769	932	1880	4840	6200	35300	8130	9160	19300	9170	1440	1320
7	877	1320	1360	3770	3080	20600	7090	5380	13900	7790	5310	614
8	744	1230	1690	9710	2990	16300	6300	4010	13400	7260	1910	1080
9	1040	472	1030	7220	3570	11700	4590	5190	15900	4850	1320	519
10	794	817	1130	5920	2520	8800	3610	5090	12900	5140	1300	1080
11	606	791	1630	10700	2360	6860	2830	3580	13900	9660	1530	1260
12	738	1280	1210	26600	2360	5130	2930	2390	9530	4990	705	1850
13	335	1920	1050	41100	2340	4050	2660	2860	7590	5090	1410	1040
14	742	1360	1090	43500	5830	3960	3050	2230	11100	6350	854	2130
15	497	1610	1130	43300	16600	3970	2290	2330	24200	4740	1340	1240
16	737	1760	596	31200	8890	3620	2610	2340	27300	14400	724	888
17	569	1200	594	18800	12600	3350	2800	1750	20100	15500	1310	1080
18	866	1410	979	13600	20300	3230	2520	2350	17400	4820	1380	994
19	1410	2070	783	10100	18200	3030	2370	1940	17200	3940	652	539
20	373	6310	761	8490	13200	3510	2480	2400	18200	9840	1680	741
21	1200	3870	1310	5960	32100	7640	2210	5660	11300	14800	727	607
22	430	3310	1590	4960	37000	5160	1700	4350	7460	14500	686	1500
23	1500	2600	9130	3950	28000	4430	1900	5070	5770	13800	618	2280
24	470	1560	7240	3160	20100	3270	1620	5270	3740	15300	939	1290
25	460	1210	5430	3240	12300	3130	1730	4980	3110	22100	1040	2370
26	1140	2580	3720	3270	9760	2640	1840	3380	2220	21200	1070	2360
27	518	11700	3300	3340	15200	2410	1030	2450	2110	13400	1050	1360
28	2550	5880	11000	3190	39300	2970	1680	1810	2850	12900	742	2330
29	2370	4620	9410	2740	---	2980	2340	1830	8190	13000	1130	3140
30	1650	4270	7800	5780	---	4900	2180	1340	3580	12900	1340	9750
31	661	---	18000	5640	---	5810	---	1040	---	8140	1240	---
TOTAL	46296	71230	103963	373970	336530	261680	114120	111360	316240	331150	40502	46782
MEAN	1493	2374	3354	12060	12020	8441	3804	3592	10540	10680	1307	1559
MAX	7230	11700	18000	43500	39300	35300	16700	9160	27300	22100	5310	9750
MIN	335	472	594	2740	2340	2410	1030	1040	1370	3940	618	439
CFSM	.73	1.16	1.64	5.90	5.88	4.13	1.86	1.76	5.15	5.22	.64	.76
IN.	.84	1.30	1.89	6.80	6.12	4.76	2.08	2.03	5.75	6.02	.74	.85
CAL YR 1988	TOTAL	735578	MEAN	2010	MAX	18000	MIN	227	CFSM	.98	IN	13.38
WTR YR 1989	TOTAL	2153823	MEAN	5901	MAX	43500	MIN	335	CFSM	2.89	IN	39.18

MOBILE RIVER BASIN

02437100 TOMBIGBEE RIVER AT ABERDEEN LOCK AND DAM AT ABERDEEN, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13100	482	1800	10200	6800	4820	4170	2180	2260	1680	1070	332
2	8340	894	1130	6740	13200	18600	2960	1910	2370	795	1080	314
3	5870	914	1830	6660	20800	26600	2840	2600	11000	892	832	427
4	5910	766	1120	11100	32800	13500	2270	2850	11100	763	686	488
5	3660	967	1450	11000	34600	12200	2440	4640	5270	991	610	257
6	2050	3110	1380	13400	34800	10400	2400	3060	3650	702	892	314
7	2070	5200	1960	10900	24300	7960	2380	2410	2970	1360	506	378
8	1640	5070	2030	11600	13400	7920	2440	1550	2310	717	188	378
9	1430	3940	4040	9070	10600	13200	2560	1830	2470	614	654	335
10	914	3050	3770	7100	26100	8730	2180	1560	2310	442	240	254
11	969	1860	3150	5780	34400	7630	2460	1880	2050	919	400	252
12	1160	1900	2720	5080	27300	5860	2270	1890	1610	961	546	521
13	1510	1360	2570	3570	19900	5790	1680	3580	1580	1670	242	1150
14	1170	3100	2090	3040	12100	4100	1900	2660	1790	691	543	494
15	1050	4200	2440	3750	11700	9830	2260	1830	3270	907	695	739
16	843	8310	1270	2820	19300	17400	2240	1940	2980	374	439	364
17	1410	4730	1410	3010	12000	10200	2290	1470	2350	823	377	417
18	1210	4310	1780	7670	10300	10200	2610	1440	1650	316	749	300
19	1070	3810	2370	6140	8630	9170	2080	1140	1410	617	223	469
20	823	3870	1450	13200	7740	7000	2250	3790	1020	677	650	918
21	1270	6010	2200	25200	5720	5510	3510	15300	1450	577	548	557
22	990	3570	1710	12000	10500	4430	4910	14700	2960	613	515	1340
23	852	6500	880	11000	9700	3450	4150	8390	1980	961	245	393
24	1560	4660	947	11200	5880	3440	3300	6620	1360	562	494	311
25	1110	4000	1240	11700	5130	2990	3090	5330	1350	567	670	378
26	1530	5420	1850	7790	4440	3020	2160	4700	692	548	454	221
27	902	5500	2240	5920	3840	2720	2370	12000	931	751	267	534
28	3740	3010	2750	5270	3450	3230	3560	12700	981	912	486	420
29	772	2450	2010	10100	---	3050	2480	5610	413	846	409	398
30	908	2100	3390	9790	---	4010	2450	3930	1050	550	387	431
31	1030	---	11500	7210	---	4650	---	3140	---	851	375	---
TOTAL	70863	105063	72477	269010	429430	251610	80660	138630	78587	24649	16472	14084
MEAN	2286	3502	2338	8678	15340	8116	2689	4472	2620	795	531	469
MAX	13100	8310	11500	25200	34800	26600	4910	15300	11100	1680	1080	1340
MIN	772	482	880	2820	3450	2720	1680	1140	413	316	188	221
CFSM	1.12	1.71	1.14	4.24	7.50	3.97	1.32	2.19	1.28	.39	.26	.23
IN.	1.29	1.91	1.32	4.89	7.81	4.58	1.47	2.52	1.43	.45	.30	.26
CAL YR 1989	TOTAL	2180737	MEAN	5975	MAX	43500	MIN	439	CFSM	2.92	IN	39.67
WTR YR 1990	TOTAL	1551535	MEAN	4251	MAX	34800	MIN	188	CFSM	2.08	IN	28.22

02437100 TOMBIGBEE RIVER AT ABERDEEN LOCK AND DAM AT ABERDEEN, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	730	327	1170	10200	2320	10600	18800	49900	10900	1530	700	1260
2	252	545	831	9820	2210	19000	12000	29200	8980	1800	493	1130
3	471	395	9340	9330	1810	11900	8550	15500	8350	1420	580	727
4	1700	552	9910	6820	2180	11700	6310	11600	9510	2500	948	764
5	477	1080	4410	4390	2460	8830	5880	14200	7730	1990	491	1010
6	843	336	4810	3730	8250	7690	5360	23600	5160	1480	675	403
7	462	570	4080	9460	5610	6810	4390	13500	4780	1280	616	1270
8	1460	667	2410	7920	4440	4940	7820	14900	3460	1310	710	782
9	298	2010	1890	5920	3300	5120	12200	24800	3540	1040	790	918
10	690	1860	1570	7880	2840	3550	7830	19300	3540	882	1170	558
11	463	1690	905	11800	2330	3900	7010	28900	3170	1050	952	709
12	704	1240	1250	7100	2150	3280	7090	24500	3210	786	865	678
13	653	1170	1160	6330	1900	5030	6960	45300	3130	932	1070	877
14	400	1310	807	5140	2690	4610	21600	56600	3800	988	669	625
15	332	631	955	4530	2080	4160	49600	49800	2640	1050	546	816
16	646	921	1000	4380	1540	3880	39900	33800	3560	916	497	846
17	593	1560	3900	3380	2520	3440	28400	19800	3110	621	825	684
18	905	820	7020	2880	14600	3280	19200	13500	3130	891	536	389
19	386	419	6590	2610	64900	3270	24700	11800	2820	466	746	457
20	721	971	8610	2620	92400	2660	14100	11900	2860	1140	460	294
21	824	869	38600	2560	89400	2900	10000	9560	3040	1330	838	1260
22	1100	675	71100	1940	54800	2260	8730	8100	7500	716	483	1740
23	383	1240	95100	2330	45500	7130	6700	6000	6600	789	544	5380
24	793	625	78300	1920	30100	5060	5610	4750	7450	564	435	1970
25	1300	711	38800	1770	18600	4710	4090	5110	9930	1650	1370	1510
26	406	891	19200	1860	13100	4130	4020	29900	5250	1390	3030	848
27	329	819	11200	2140	9800	3900	5920	85200	4500	1180	1040	1190
28	557	2010	16200	2000	8270	4140	26500	103000	2970	782	1140	281
29	225	577	11600	2200	---	25700	54200	93200	2390	1130	879	964
30	572	1240	11800	3890	---	35600	65300	37000	3010	683	1800	884
31	454	---	16700	2840	---	24000	---	17000	---	757	1670	---
TOTAL	20129	28731	481218	151690	492100	247180	498770	911220	150020	35043	27568	31224
MEAN	649	958	15520	4893	17580	7974	16630	29390	5001	1130	889	1041
MAX	1700	2010	95100	11800	92400	35600	65300	103000	10900	2500	3030	5380
MIN	225	327	807	1770	1540	2260	4020	4750	2390	466	435	281
CFSM	.32	.47	7.59	2.39	8.60	3.90	8.13	14.4	2.45	.55	.44	.51
IN.	.37	.52	8.75	2.76	8.95	4.50	9.07	16.58	2.73	.64	.50	.57
CAL YR 1990	TOTAL	1833210	MEAN	5022	MAX	95100	MIN	188	CFSM	2.46	IN	33.35
WTR YR 1991	TOTAL	3074893	MEAN	8424	MAX	103000	MIN	225	CFSM	4.12	IN	55.93

MOBILE RIVER BASIN

02439400 BUTTAHATCHEE RIVER NEAR ABERDEEN, MS

LOCATION.--Lat 33°47'24", long 88°18'53", in NW4 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, 10.0 mi downstream from Sipsey Creek, 13.7 mi southeast of Aberdeen, and 28.6 mi upstream from the mouth.

DRAINAGE AREA.--798 mi².

WATER DISCHARGE RECORDS

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

REVISED RECORDS.--WDR MS-80-1: Drainage area.

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

REMARKS.--Estimated daily discharges: Dec. 23-25. Records good except for estimated daily discharges, which are poor. U. S. Army Corps of Engineers telemeter at station.

AVERAGE DISCHARGE.--25 years, 1,471 ft³/s, 25.03 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 80,000 ft³/s, Mar. 17, 1973, gage height, 23.48 ft (corrected), observed at crest, minimum discharge, 89 ft³/s, Aug. 31 to Sept. 1, 1988.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1892 and 1893 reached stages of 21 ft, and floods Feb. 4, 1951 and Mar. 30, 1951, reached stages of 19.46 ft and 19.56 ft, respectively, from information by local residents, flood of Apr. 12, 1962, reached a stage of 19.01 ft, from floodmark, all at present datum.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 24	unknown	*46,700	* ^a 20.55	Apr. 16	0900	27,500	18.57
Feb. 20	1700	43,700	20.23	Apr. 30	1100	23,700	18.09
Feb. 25	0100	12,500	16.40	May 8	0300	8,760	15.35
Mar. 4	0800	8,490	15.25	May 14	1000	26,000	18.39
Mar. 31	0600	18,900	17.46	May 28	0500	22,200	17.90

^a from floodmark

Minimum discharge, 162 ft³/s, Oct. 4, gage height, 4.77 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	169	205	554	3740	1490	3110	8390	16400	4180	852	460	516
2	168	204	441	4170	1170	3530	5230	9500	3040	837	445	501
3	167	204	656	4420	1020	5740	3300	6620	2490	846	441	450
4	176	208	1460	3080	952	8160	2370	4490	2150	858	445	420
5	235	210	2010	2670	924	7820	1850	3640	1790	728	433	403
6	315	216	1830	2370	1020	7080	1610	3750	1550	678	416	393
7	267	251	909	1950	1430	4730	1480	6030	1370	675	405	385
8	226	262	693	1760	1550	3340	1590	8200	1240	661	402	384
9	214	271	588	1730	1280	2620	2220	6430	1140	635	407	390
10	234	408	519	1550	1120	2160	3070	7150	1050	612	445	393
11	228	744	476	1590	1030	1810	3580	11100	983	589	430	391
12	207	581	447	1930	943	1590	3200	11900	940	576	460	377
13	196	405	427	2030	882	1550	2770	16800	982	555	576	367
14	193	335	415	1730	901	1660	6950	23900	966	531	471	380
15	194	301	408	1460	978	1560	17500	14500	924	517	424	369
16	190	285	407	1410	872	1350	25700	9690	858	512	408	355
17	185	275	440	1570	805	1250	14300	7600	837	494	404	346
18	186	269	829	1500	1390	1260	8540	6030	970	486	420	339
19	215	268	1550	1290	5870	1330	6620	4650	1100	483	443	333
20	308	263	1630	1220	34500	1240	5460	4070	916	480	456	329
21	275	262	1520	1200	31700	1130	5260	3970	794	484	420	331
22	228	266	3510	1100	14500	1080	4110	3660	952	464	389	323
23	222	283	26000	986	9650	1070	3110	3320	1360	452	374	321
24	267	338	43500	937	10300	1130	2580	2650	1660	466	367	334
25	275	374	26900	932	10600	1130	2190	2180	1540	444	369	526
26	241	328	10800	913	7350	998	1830	3430	1810	561	415	1000
27	222	301	6910	858	5020	941	1780	12300	1790	915	568	737
28	209	332	4770	870	3610	937	3800	18900	1210	700	671	452
29	207	609	3650	1100	---	2240	11500	11000	1030	561	553	364
30	206	804	3690	1130	---	7130	22000	8040	919	506	609	323
31	205	---	4160	1380	---	15700	---	6300	---	480	563	---
TOTAL	6830	10062	152099	54576	152857	96376	183890	258200	42541	18638	14089	12532
MEAN	220	335	4906	1761	5459	3109	6130	8329	1418	601	454	418
MAX	315	804	43500	4420	34500	15700	25700	23900	4180	915	671	1000
MIN	167	204	407	858	805	937	1480	2180	794	444	367	321
CFSM	.28	.42	6.15	2.21	6.84	3.90	7.68	10.4	1.78	.75	.57	.52
IN.	.32	.47	7.09	2.54	7.13	4.49	8.57	12.04	1.98	.87	.66	.58
CAL YR 1990	TOTAL	674625	MEAN	1848	MAX	43500	MIN	125	CFSM	2.32	IN	31.45
WTR YR 1991	TOTAL	1002690	MEAN	2747	MAX	43500	MIN	167	CFSM	3.44	IN	46.74

02439400 BUTTAHATCHEE RIVER NEAR ABERDEEN, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1974-75, 1989 to current year.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
NOV				
07...	0940	246	20	13
DEC				
12...	0820	450	18	22
JAN				
29...	1730	1150	20	62
MAR				
05...	1300	7880	23	489
APR				
23...	1630	2960	37	296
JUN				
04...	1645	2060	40	222
JUL				
24...	0930	476	15	19
SEP				
05...	0845	403	30	33

02441390 TOMBIGBEE RIVER AT COLUMBUS LOCK AND DAM, NEAR COLUMBUS, MS

LOCATION.--Lat 33°31'05", long 88°29'19", in NE¼ sec.11, T.18 S., R.19 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160101, at control tower on right bank of lock, 3.5 mi northwest of Columbus, 4.1 mi upstream from 02441500 Tombigbee River at Columbus, 6.4 mi upstream from Luxapallila Creek, and at mile 325.3.

DRAINAGE AREA.--4,440 mi².

PERIOD OF RECORD.--October 1899 to December 1912. August 1928 to current year. Monthly discharge only for some periods, published in WSP 1304. Prior to April 1981, published as "02441500 Tombigbee River at Columbus". Gage-height records collected in this vicinity, 1890 to 1971, are contained in reports of National Weather Service, and 1972 to present at site 02441500 Tombigbee River at Columbus.

GAGE.--Water-stage, gage-position, and lockage recorder. Datum of gage is 100.00 ft above National Geodetic Vertical Datum of 1929 (levels by U. S. Army Corps of Engineers). Prior to April 1, 1982, water-stage recorder at site 4.1 mi downstream at datum 28.91 ft higher (see 02441500 Tombigbee River at Columbus). Water-stage recorder for Tombigbee River at Columbus (station 02441500) is used as base gage for this station when tail water gage-heights exceed 63 ft.

REMARKS.--No estimated daily discharges. Records fair except those below 1,000 ft³/s, which are poor. Reservoir is formed by earth fill dam with concrete spillway with five 60 ft wide tainter gates with sill elevation of 138.0 ft above NGVD of 1929 and 110 ft by 600 ft lock with maximum lift of 27 ft at normal pool elevation of 163.0 ft above NGVD of 1929. Minimum flow structure with manually operated gates and maximum discharge of about 300 ft³/s at normal pool. Storage began Jan. 16, 1981, dam completed Jan. 29, 1981. Capacity 59,500 acre-ft at normal pool. Regulation for maintenance of navigational pool only. Beginning April 1, 1981, daily discharge computed from relation between discharge, head, gate openings, lockages, and minimum flow structure.

AVERAGE DISCHARGE.--76 years, 6,733 ft³/s, 20.59 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 194,000 ft³/s, Mar. 19, 1973, gage height, 42.22 ft, site and datum then in use, minimum daily, 120 ft³/s, Sept. 25, 1984.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 8, 1892, the greatest since at least 1867, reached an elevation of 173.0 ft above NGVD of 1929 at site 3.93 mi downstream, discharge 278,000 ft³/s estimated by U. S. Army Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 172,000 ft³/s, May 29, gage height, 69.45 ft; Maximum gage-height, 69.53 ft, Dec. 24; minimum daily discharge, 269 ft³/s, Oct. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	761	496	1970	22500	6090	20100	57900	132000	25100	2950	1190	1880
2	528	699	1340	19300	4650	39000	34800	98000	17000	2600	635	1420
3	379	703	11200	18700	3520	33000	18200	47800	12500	2670	876	1430
4	2470	624	12400	15200	3820	32800	11700	28300	15200	3990	1040	992
5	613	1340	5540	10000	4510	28700	9190	25600	11400	2630	908	1410
6	1120	473	6450	8690	13900	23000	8370	41600	8470	3570	965	732
7	764	748	6400	11600	11700	16100	6610	30000	7130	2080	914	1460
8	1780	904	4010	14200	11600	11700	11100	33300	5470	1980	1050	1100
9	441	2950	2690	10600	8860	9750	21300	53200	5050	1550	810	1330
10	644	2030	2580	10600	5530	7520	14100	40800	5580	2190	1430	544
11	1070	1740	1990	18700	4270	6640	14200	53900	3580	1510	1330	679
12	462	1630	1860	13000	3950	6050	14400	60800	4040	1160	1260	1240
13	1130	1420	1950	12700	3870	7150	16100	74900	4740	1650	1060	954
14	371	1420	1560	11200	4140	7160	39300	79100	4930	1360	1000	732
15	797	1130	1680	8260	3580	6500	82700	73700	4290	1250	1070	1010
16	982	1120	1920	6580	2980	6040	87300	64800	4680	1540	658	800
17	600	1300	3880	6130	3780	5500	84600	41200	4060	1210	885	1000
18	1050	875	8110	5650	20600	5250	60700	24900	4050	1630	858	936
19	712	591	8850	5010	77600	5640	56000	21100	3720	646	827	1050
20	674	1200	8900	5040	123000	4970	34900	18400	4210	1500	644	328
21	1010	1040	39300	4240	158000	4420	22600	15200	3440	1370	1010	371
22	1040	828	70300	3680	146000	3920	19900	12300	7760	1450	1010	576
23	732	1330	113000	4300	115000	8760	17200	10800	8430	988	575	1710
24	991	949	162000	3400	81900	6500	12200	8900	9790	816	873	2580
25	2060	1000	157000	3570	48400	6710	8920	8480	12900	1610	2330	5180
26	349	1310	112000	3380	38100	4910	7330	49100	8070	1740	3120	2030
27	269	1160	45900	3940	23600	5080	9080	102000	6580	1850	1380	2370
28	715	2800	31600	4570	16200	5770	47600	152000	4720	1420	1650	627
29	382	1060	25500	4250	---	41200	80100	166000	3730	1540	1440	1780
30	815	1650	21300	6580	---	63500	118000	126000	3720	1430	2730	729
31	677	---	30800	6540	---	57500	---	64800	---	1010	2390	---
TOTAL	26388	36520	903980	282110	949150	490840	1026400	1758980	224340	54890	37918	38980
MEAN	851	1217	29160	9100	33900	15830	34210	56740	7478	1771	1223	1299
MAX	2470	2950	162000	22500	158000	63500	118000	166000	25100	3990	3120	5180
MIN	269	473	1340	3380	2980	3920	6610	8480	3440	646	575	328
CFSM	.19	.27	6.57	2.05	7.64	3.57	7.71	12.8	1.68	.40	.28	.29
IN.	.22	.31	7.57	2.36	7.95	4.11	8.60	14.74	1.88	.46	.32	.33
CAL YR 1990	TOTAL	3571366	MEAN	9785	MAX	162000	MIN	269	CFSM	2.20	IN	29.92
WTR YR 1991	TOTAL	5830496	MEAN	15970	MAX	166000	MIN	269	CFSM	3.60	IN	48.85

02441500 TOMBIGBEE RIVER AT COLUMBUS, MS

LOCATION.--Lat 33°29'21", long 88°25'57", in NE¼ sec.20, T.18 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160101, on left bank at Columbus, 1,200 ft downstream from bridge on old U.S. Highway 45E and 82, 1,800 ft upstream from Gulf, Mobile and Ohio Railroad bridge, 2.3 mi upstream from Luxapallila Creek, 4.1 mi downstream from 02441390 Tombigbee River at Columbus Lock and Dam, near Columbus, 6.7 mi downstream from Tibbee Creek, and at mile 319.7.

DRAINAGE AREA.--4,463 mi².

PERIOD OF RECORD.--October 1899 to December 1912, August 1928 to March 1981, April 1981 to current year (gage heights only). 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 above National Geodetic Vertical Datum of 1929. Prior to Nov. 7, 1934, nonrecording gage at various sites within 0.2 mi of present site, at datum 4.00 ft higher prior to Mar. 13, 1934, and at present datum thereafter. Mar. 3, 1941 to Sept. 30, 1968, auxiliary nonrecording at gage site 3.7 mi upstream at different datum. Oct. 1, 1968, to Sept. 30, 1971, auxiliary nonrecording gage 2.1 mi upstream from base gage at datum 128.82 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Stage affected since Dec. 27, 1979, by Aliceville Lock and Dam 32.0 mi downstream, normal pool elevation 136.0 ft above National Geodetic Vertical Datum of 1929 and since Jan. 16, 1981, by Columbus Lock and Dam, 4.1 mi upstream.

AVERAGE DISCHARGE.--See 02441390 Tombigbee River at Columbus Lock and Dam, near Columbus.

EXTREMES FOR PERIOD OF RECORD.--See 02441390.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 8, 1892, the greatest since at least 1867, reached an elevation of 173.0 ft above National Geodetic Vertical of 1929 at site 1,100 ft upstream (corresponding stage at gage about 44 ft) discharge 268,000 ft³/s estimated by U. S. Army Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--See 02441390 for discharge records. Maximum gage height, 37.22 ft, Dec. 25, minimum daily, 7.35 ft, Oct. 10.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.45	7.43	7.51	13.14	8.47	12.33	22.61	34.30	18.82	8.08	7.98	8.06
2	7.42	7.44	7.53	12.00	8.23	17.53	17.56	32.26	12.33	8.08	7.93	8.01
3	7.42	7.46	9.10	11.70	7.99	17.23	12.57	24.95	10.30	8.09	7.95	8.01
4	7.56	7.47	9.79	10.85	8.08	17.37	9.93	16.91	10.85	8.28	8.03	7.97
5	7.40	7.46	8.27	9.40	8.20	16.52	9.24	13.79	9.78	8.05	7.86	7.96
6	7.46	7.39	---	8.95	10.15	14.32	8.95	17.58	9.19	8.18	7.86	7.96
7	7.47	7.42	8.12	9.48	9.68	11.88	8.60	15.82	8.76	8.13	7.96	7.99
8	7.49	7.56	7.75	10.42	9.64	10.18	9.34	15.82	8.41	8.05	7.96	7.96
9	7.37	7.62	7.65	9.31	9.13	9.49	12.37	20.21	8.40	8.01	8.01	7.96
10	7.35	7.40	7.53	9.36	8.33	8.99	10.94	19.30	8.69	7.99	7.98	7.94
11	7.43	7.57	7.55	11.63	8.22	8.75	11.22	20.98	8.22	7.95	8.02	7.93
12	7.41	7.45	7.50	10.25	8.11	8.61	11.15	23.41	8.42	7.97	8.00	7.97
13	7.40	7.49	7.55	10.12	8.17	8.66	11.67	26.87	8.52	8.04	7.95	7.92
14	7.39	7.47	7.47	9.66	8.06	8.71	16.63	30.05	8.49	8.04	7.91	7.94
15	7.45	7.57	7.55	8.84	7.95	8.54	27.85	30.46	8.47	7.88	7.93	7.93
16	7.44	7.49	7.51	8.72	8.11	8.45	31.64	27.40	8.38	8.02	7.88	7.94
17	7.45	7.44	7.69	8.57	8.26	8.42	31.23	---	8.32	7.90	7.91	7.64
18	7.36	7.44	8.33	8.44	11.38	8.26	26.36	---	8.28	8.05	8.00	7.74
19	7.38	7.44	8.44	8.08	24.64	8.34	22.05	13.11	8.21	7.92	7.91	7.62
20	7.42	7.61	8.32	8.08	32.76	8.27	17.81	12.12	8.30	7.97	7.92	7.55
21	7.43	7.49	14.50	7.98	36.29	8.16	14.13	11.32	8.19	7.96	7.92	7.53
22	7.40	7.51	22.67	7.97	36.18	8.13	12.85	10.27	9.01	7.97	7.96	7.56
23	7.39	7.47	31.18	8.05	33.95	9.04	11.78	9.80	9.09	7.86	7.90	7.74
24	7.46	7.46	36.14	8.00	30.15	8.54	10.23	9.21	9.21	7.90	7.92	7.96
25	7.47	7.50	36.81	8.10	23.47	8.61	9.22	9.06	10.38	7.99	8.12	8.13
26	7.39	7.51	33.91	8.11	18.70	8.38	8.88	17.14	9.29	8.00	8.19	7.81
27	7.43	7.60	26.11	8.24	14.47	8.32	8.99	---	8.81	7.98	8.03	7.91
28	7.42	7.68	18.15	---	12.01	8.49	17.45	35.24	8.45	8.02	8.06	7.77
29	7.41	7.40	14.48	---	---	16.56	26.48	36.84	8.27	8.03	7.98	7.84
30	7.49	7.62	12.53	---	---	23.44	32.46	34.94	8.17	7.96	8.17	7.64
31	7.41	---	14.88	---	---	23.12	---	28.94	---	7.94	8.06	---
MEAN	7.43	7.50	---	---	14.96	11.34	16.07	---	9.27	8.01	7.98	7.86
MAX	7.56	7.68	---	---	36.29	23.44	32.46	---	18.82	8.28	8.19	8.13
MIN	7.35	7.39	---	---	7.95	8.13	8.60	---	8.17	7.86	7.86	7.53

02443500 LUXAPALLILA CREEK NEAR COLUMBUS, MS

LOCATION.--Lat 33°30'50", long 88°23'44", in NW4SW4 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 upstream from bridge on county highway (formerly State Highway 50), 0.6 mi upstream from Magby Creek, 1.4 mi upstream from U. S. Highway 82 and 6.2 mi upstream from mouth.

DRAINAGE AREA.--715 mi².

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1304: 1929, 1930 (Monthly values only). WDR MS-80-1: Drainage area.

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

REMARKS.--Estimated daily discharges: July 12-19 and Aug. 27-29. Records good except for estimated daily discharges, which are poor. U.S. Army Corp of Engineers radio telemeter at station.

AVERAGE DISCHARGE.--19 years, 1,215 ft³/s, 23.08 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,400 ft³/s, Apr. 14, 1979, gage height, 32.35 ft, minimum, since October 1974, 28 ft³/s, Sept. 2, 1988, gage height, 6.82 ft. (revised)

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 24	2130	*35,100	*31.04	Apr. 30	1700	20,000	26.75
Feb. 21	0530	29,200	29.46	May 14	1930	17,400	25.85
Mar. 31	0400	11,200	22.59	May 28	2000	16,900	25.67
Apr. 16	1030	25,700	28.47				

Minimum discharge, 93 ft³/s, Oct. 2 -3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	97	134	672	1910	803	2060	6580	16400	3180	785	223	600
2	95	131	544	1880	760	3310	3370	10400	2260	768	206	527
3	96	130	712	1650	695	5340	2240	5210	1870	753	193	428
4	105	130	1120	1650	660	6310	1710	3010	2070	651	181	340
5	117	131	1630	1660	654	6310	1410	2590	1610	578	175	287
6	147	134	1380	1470	726	4340	1230	3240	1360	511	166	256
7	172	142	1060	1320	846	3060	1130	3990	1150	470	157	243
8	152	157	923	1260	916	2260	1070	3840	1010	443	154	227
9	137	192	649	1280	872	1800	1450	4610	906	438	170	216
10	124	261	492	1220	791	1520	3680	6380	830	417	186	216
11	118	378	420	1450	712	1320	4190	8650	769	383	251	247
12	114	477	377	1960	654	1200	3430	10100	733	360	259	235
13	112	430	347	1830	619	1180	3410	15000	779	340	283	216
14	111	333	327	1510	635	1180	7050	17100	817	320	288	201
15	111	269	315	1320	630	1150	16500	14800	943	310	240	198
16	111	229	310	1260	633	1070	24700	8810	896	300	203	194
17	110	206	309	1230	647	1020	17000	5450	783	285	189	185
18	119	195	320	1250	1260	1040	8240	4170	809	275	326	180
19	126	191	378	1140	6580	1060	4880	3430	842	265	383	178
20	179	187	473	1070	21700	1040	5330	3260	762	242	386	168
21	190	182	547	1000	28100	985	5220	3000	678	240	338	162
22	168	182	2640	941	20500	913	3800	2630	631	234	260	157
23	174	194	13100	869	12000	1000	2730	2110	697	233	207	153
24	219	209	31700	831	9030	1130	2150	1770	964	233	181	180
25	249	233	30500	848	5910	1180	1810	1550	1350	232	212	291
26	214	242	15200	865	3990	1040	1550	2900	1860	224	239	493
27	182	230	5980	856	2820	934	1490	7210	1610	251	400	345
28	158	263	2750	808	2180	1150	3590	15000	1250	303	600	224
29	146	386	2170	766	---	4380	10200	14600	1000	328	650	192
30	140	643	1960	774	---	9250	19000	11200	836	299	647	182
31	136	---	1880	792	---	10800	---	6860	---	251	542	---
TOTAL	4429	7201	121185	38670	126323	80332	170140	219270	35255	11722	8895	7721
MEAN	143	240	3909	1247	4512	2591	5671	7073	1175	378	287	257
MAX	249	643	31700	1960	28100	10800	24700	17100	3180	785	650	600
MIN	95	130	309	766	619	913	1070	1550	631	224	154	153
CFSM	.20	.34	5.47	1.74	6.31	3.62	7.93	9.89	1.64	.53	.40	.36
IN.	.23	.37	6.30	2.01	6.57	4.18	8.85	11.41	1.83	.61	.46	.40

CAL YR 1990 TOTAL 560770 MEAN 1536 MAX 31700 MIN 80 CFSM 2.15 IN 29.18
WTR YR 1991 TOTAL 831143 MEAN 2277 MAX 31700 MIN 95 CFSM 3.19 IN 43.24

02443500 LUXAPALLILA CREEK NEAR COLUMBUS, MS--Continued

WATER-QUALITY RECORDS

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

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
OCT				
03...	1440	94	13	3.3
NOV				
08...	1055	156	10	4.2
DEC				
26...	1715	12000	49	1590
JAN				
31...	1230	789	34	72
APR				
25...	1200	1810	24	117
JUN				
05...	1050	1610	28	122
JUL				
31...	1425	244	14	9.2

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 upstream from Cedar Creek, 1.0 mi downstream from Illinois Central and Gulf Railroad bridge, 1.5 mi downstream from Horse Hunters Creek, and 6.2 mi upstream from Running Water Creek.

DRAINAGE AREA.--768 mi².

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1624: 1929-30, 1932. WDR MS-78-1: 1977. WDR MS-80-1: Drainage area.

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

REMARKS.--Records good. Telemeter, satellite telemeter and U.S. Army Corps of Engineers radio telemeter at station.

AVERAGE DISCHARGE.--57 years, 1,073 ft³/s, 18.97 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 125,000 ft³/s, Apr. 13, 1979, gage height, 38.97 ft from floodmark, minimum, 22 ft³/s, Aug. 25, 26, 1943, gage height, 4.89 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in July 1892 reached a stage of about 34 ft, present site and datum, from information by local residents. Flood in December 1926 reached a stage of about 30 ft.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 26	2300	9,660	27.53	Apr. 16	0100	14,600	29.13
Feb. 23	0600	21,000	30.42	May 01	0600	*22,600	*30.69
Mar. 3	2000	6,290	24.01	May 14	0400	8,350	26.87
Mar. 30	2200	9,170	27.31	May 29	2200	11,700	28.29

Minimum discharge, 65 ft³/s, Oct. 3,4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	72	118	1250	861	5060	7610	22100	7080	282	213	254
2	68	72	119	1110	828	5310	7860	17100	5490	246	203	265
3	67	73	188	1150	715	5960	6910	11100	3450	221	184	358
4	67	72	284	1290	581	6170	5670	8310	1130	216	174	334
5	75	73	285	1060	523	5970	3200	7200	593	218	169	235
6	79	73	193	895	956	6060	899	6690	461	234	157	186
7	81	78	177	1050	1170	5930	551	6070	400	282	161	165
8	82	76	145	1020	1300	5250	456	5600	344	599	183	165
9	86	90	122	760	1540	4030	596	6670	298	306	161	153
10	80	130	109	794	1540	2020	1560	7220	264	232	167	138
11	73	144	102	1270	1120	859	1650	6850	238	207	436	133
12	71	129	99	1110	836	596	1310	6330	258	186	739	126
13	70	143	98	1110	623	516	3270	7830	889	173	268	126
14	69	138	97	1110	516	475	5820	8200	2730	166	201	129
15	68	116	95	916	451	423	11700	7240	1470	169	179	125
16	68	106	94	759	408	391	13500	5910	451	158	163	112
17	68	100	96	615	375	379	13300	4690	380	161	152	103
18	67	100	102	511	1180	420	11600	3960	341	177	146	104
19	71	97	105	464	5870	422	9030	3130	312	217	142	872
20	70	95	114	454	14100	404	7460	2220	278	189	140	172
21	69	95	115	420	19500	402	6310	1500	261	160	142	116
22	70	95	704	375	19300	368	4500	1030	239	145	147	104
23	71	97	4100	342	20500	340	2460	901	230	137	144	145
24	74	105	4660	524	14600	411	1270	720	256	163	134	1100
25	72	101	6550	835	8770	393	885	696	312	196	914	2620
26	71	96	8780	703	7380	357	711	3710	408	251	1630	803
27	69	99	9010	530	6800	332	901	5760	386	401	502	307
28	70	129	7520	509	6010	380	4080	5980	448	299	279	326
29	72	165	6040	502	---	4270	9830	9270	399	366	293	261
30	72	146	3810	847	---	7590	18900	10600	333	305	263	199
31	72	---	1630	1020	---	8200	---	9000	---	243	230	---
TOTAL	2229	3105	55661	25305	138353	79688	163799	203587	30129	7305	9016	10236
MEAN	71.9	104	1796	816	4941	2571	5460	6567	1004	236	291	341
MAX	86	165	9010	1290	20500	8200	18900	22100	7080	599	1630	2620
MIN	67	72	94	342	375	332	456	696	230	137	134	103
CFSM	.09	.14	2.34	1.06	6.43	3.35	7.11	8.55	1.31	.31	.38	.44
IN.	.11	.15	2.70	1.23	6.70	3.86	7.93	9.86	1.46	.35	.44	.50

CAL YR 1990 TOTAL 522161 MEAN 1431 MAX 11500 MIN 61 CFSM 1.86 IN 25.29
WTR YR 1991 TOTAL 728413 MEAN 1996 MAX 22100 MIN 67 CFSM 2.60 IN 35.28

02448000 NOXUBEE RIVER AT MACON, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1967, 1972-75, 1981 to current year.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT					
03...	1200	66	30	5.3	--
NOV					
14...	1400	136	46	17	--
DEC					
27...	1100	9140	20	494	97
28...	1045	7590	37	758	91
30...	1640	3240	46	402	--
JAN					
31...	1415	1040	94	264	--
FEB					
06...	1415	1010	85	232	--
07...	0700	1180	132	421	97
07...	0745	1180	--	--	--
07...	1730	1160	99	310	97
09...	1500	1570	136	577	98
11...	1225	1100	75	223	95
11...	1730	1020	66	182	--
MAR					
06...	1300	6090	57	937	--
APR					
25...	1300	871	83	195	--
JUN					
05...	1300	580	80	125	--
JUL					
25...	0950	184	44	22	--

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .002 MM (70337)	SED. SUSP. FALL DIAM. % FINER THAN .004 MM (70338)	SED. SUSP. FALL DIAM. % FINER THAN .008 MM (70339)	SED. SUSP. FALL DIAM. % FINER THAN .016 MM (70340)	SED. SUSP. FALL DIAM. % FINER THAN .031 MM (70341)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
DEC								
27...	1100	79	85	87	92	94	97	100
FEB								
09...	1500	48	56	66	77	91	98	--

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK) (00002)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM (80164)	BED MAT. SIEVE DIAM. % FINER THAN .125 MM (80165)	BED MAT. SIEVE DIAM. % FINER THAN .250 MM (80166)	BED MAT. SIEVE DIAM. % FINER THAN .500 MM (80167)	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM (80168)
DEC							
27...	1102	25.0	0	5	61	100	--
27...	1104	50.0	0	3	24	97	100
27...	1106	75.0	0	13	38	95	100
FEB							
07...	0747	25.0	0	12	62	100	--
07...	0749	50.0	1	1	3	54	95
07...	0751	75.0	0	13	47	93	100

02448500 NOXUBEE RIVER NEAR GEIGER, AL

LOCATION.--Lat 32°55'57", long 88°17'52", in NE¼ sec. 33, T. 23 N., R. 3 W., Sumter County, Hydrologic Unit 03160108, near right bank on downstream side of bridge on State Highway 17, 0.1 mi upstream from Woodward Creek, 2.1 mi upstream from St. Louis-San Francisco Railroad bridge, 5 mi north of Geiger, and at mile 16.9.

DRAINAGE AREA.--1,097 mi².

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.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 86.08 ft above National Geodetic Vertical Datum of 1929. Prior to Sept. 30, 1940, nonrecording gage at site of old highway bridge 1 mi downstream at datum 1.44 ft lower. July 26, 1944 to June 5, 1949, nonrecording gage at site on old river channel 1 mi south at same datum. June 6, 1949 to Sept. 30, 1984, at site on old river channel 1 mi south at same datum. Water-stage recorder for Tombigbee River at Gainesville is used as an auxiliary gage for this station.

REMARKS.--Estimated daily discharges: Dec. 10 to Jan. 22, Jan. 31 to Feb. 21. Records good except those for period of estimated record, which are fair. Discharge includes flow of old river channel at bridge on State Highway 17, 1 mi south of gage. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--47 years (water years 1940, 1945-65, 1967-91), 1,606 ft³/s, 19.88 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 156,000 ft³/s, Apr. 14, 1979, gage height, 48.58 ft; minimum, 13 ft³/s, July 7, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 28,500 ft³/s, Feb. 24, gage height, 40.61 ft; minimum discharge, 69 ft³/s, Oct. 2, 3, 19, 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72	75	183	1900	1000	11400	7760	14100	9500	462	280	312
2	70	76	139	1600	840	10500	7870	20900	9800	353	240	293
3	70	75	359	1700	740	10000	7820	27200	10100	301	225	298
4	72	74	944	1800	700	9600	7240	24900	9380	308	208	369
5	71	75	404	1650	800	8800	6340	20500	4280	290	193	392
6	71	74	333	1300	1400	7480	3990	17300	984	260	188	299
7	79	72	240	1400	1700	6350	1210	13900	716	270	177	238
8	85	72	191	1450	1950	5620	691	12000	609	350	171	209
9	88	93	170	1150	1800	5010	592	12300	504	663	192	236
10	88	100	140	1200	1400	3890	1180	11500	431	399	188	217
11	91	127	130	1500	1100	1960	1730	10600	376	277	191	181
12	85	173	120	1500	800	1020	1550	10100	340	246	498	166
13	77	138	110	1300	600	797	2150	11100	1760	220	752	158
14	75	134	100	1200	500	714	6460	9960	2220	204	344	151
15	74	148	96	1050	450	648	11500	8760	2460	197	233	154
16	73	133	98	880	450	581	12200	8090	1540	193	203	154
17	75	114	100	760	800	586	11900	7690	850	186	185	145
18	75	103	115	680	1500	752	12500	6870	1400	179	173	131
19	71	98	140	620	2300	757	13700	7040	853	199	164	298
20	70	97	165	540	3800	655	14300	5990	471	324	157	1140
21	75	95	780	470	10000	579	13700	3450	374	237	155	349
22	77	95	1500	430	14200	554	12000	1860	358	200	152	173
23	77	101	3200	450	24200	511	9440	1320	379	177	157	134
24	77	99	5600	681	27900	463	5050	1160	363	171	158	173
25	77	101	7200	1570	25500	513	1580	1780	1100	180	198	2470
26	79	109	8400	1220	21700	504	1060	4570	1070	546	2100	3030
27	76	103	9200	901	16100	451	1200	8980	679	750	2020	1150
28	74	118	8600	700	13100	443	4520	9110	537	598	777	427
29	72	181	7500	648	---	3680	9200	9590	552	359	414	354
30	73	181	6400	1480	---	7680	12600	8480	593	390	363	309
31	74	---	2500	1150	---	7900	---	9560	---	350	344	---
TOTAL	2363	3234	65157	34880	177330	110398	203033	320660	64579	9839	11800	14110
MEAN	76.2	108	2102	1125	6333	3561	6768	10340	2153	317	381	470
MAX	91	181	9200	1900	27900	11400	14300	27200	10100	750	2100	3030
MIN	70	72	96	430	450	443	592	1160	340	171	152	131
CFSM	.07	.10	1.92	1.03	5.77	3.25	6.17	9.43	1.96	.29	.35	.43
IN.	.08	.11	2.21	1.18	6.01	3.74	6.88	10.87	2.19	.33	.40	.48
CAL YR 1990	TOTAL 746927	MEAN 2046	MAX 22800	MIN 66	CFSM 1.87	IN. 25.33						
WTR YR 1991	TOTAL 1017383	MEAN 2787	MAX 27900	MIN 70	CFSM 2.54	IN. 34.50						

02472000 LEAF RIVER NEAR COLLINS, MS

LOCATION.--Lat 31°42'25", long 89°24'25", in NEM 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, 2.0 mi downstream from Oakohay Creek, 10.6 mi upstream from Big Creek, 9.5 mi northeast of Collins, and at mile 114.5.

DRAINAGE AREA.--743 mi².

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

REVISED RECORDS.--WSP 2106: 1950(M). WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 197.01 ft above National Geodetic Vertical Datum of 1929. Prior to Dec. 8, 1938, nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharges. Records good. National Weather Service telemeter at station.

AVERAGE DISCHARGE.--53 years, 1,109 ft³/s, 20.27 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 54,200 ft³/s, Apr. 14, 1974, gage height, 32.6 ft, from flood-mark, minimum, 55 ft³/s, Aug. 28-30, 1957.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 22	2300	19,200	23.85	May 1	2100	*22,600	*24.50
Apr. 17	1200	11,000	18.50				

Minimum discharge, 119 ft³/s, Oct. 30 - Nov 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	128	119	260	205	2720	1420	3690	22100	1900	519	347	859
2	128	119	207	205	2210	2150	1490	21400	1230	496	298	999
3	128	120	246	261	1310	4440	806	11100	936	457	273	647
4	140	120	332	372	900	4630	615	5540	1600	646	253	446
5	164	120	290	460	1090	4190	523	6670	1810	863	244	357
6	152	127	258	455	2110	3130	465	7090	1470	643	245	304
7	142	132	229	370	2470	1970	423	5870	955	742	253	368
8	138	130	219	319	2380	1330	457	3850	807	960	318	376
9	135	195	204	291	1720	1010	472	3560	639	1040	261	324
10	130	282	193	341	1240	835	2540	5040	517	735	239	264
11	129	232	185	690	892	721	1560	6500	480	499	609	238
12	128	192	179	1070	748	644	1100	5180	496	400	569	219
13	129	171	174	1090	667	627	4210	4680	852	353	460	208
14	129	152	169	689	644	623	5210	2680	945	322	355	202
15	129	141	165	510	602	589	8550	1850	701	310	287	197
16	128	135	162	458	551	541	10100	1360	529	296	258	194
17	128	131	161	426	533	654	10800	1110	731	282	248	191
18	128	130	166	414	557	869	6270	1320	1280	273	233	189
19	126	128	192	720	968	848	3350	1380	857	267	218	239
20	125	128	199	972	7990	772	4280	1140	608	264	208	376
21	124	129	191	1360	9950	624	3370	976	541	267	199	438
22	126	129	185	978	16800	551	1990	911	539	263	194	338
23	128	129	200	659	17700	506	4380	828	939	264	190	271
24	129	133	515	991	11300	463	4420	792	1010	261	187	352
25	129	136	862	1630	6470	429	3760	751	1920	395	187	1360
26	125	135	516	2030	3270	396	2510	1500	1710	708	202	1590
27	124	133	322	1820	2170	377	4000	3710	1350	970	217	1540
28	123	190	261	1220	1520	365	4330	5040	1060	736	237	870
29	125	337	234	926	---	1700	8640	6390	782	551	257	466
30	122	323	217	1950	---	2770	19700	4080	628	444	271	355
31	119	---	209	2400	---	4020	---	2840	---	423	787	---
TOTAL	4038	4778	7902	26282	101482	44194	124011	147238	29822	15649	9104	14777
MEAN	130	159	255	848	3624	1426	4134	4750	994	505	294	493
MAX	164	337	862	2400	17700	4630	19700	22100	1920	1040	787	1590
MIN	119	119	161	205	533	365	423	751	480	261	187	189
CFSM	.18	.21	.34	1.14	4.88	1.92	5.56	6.39	1.34	.68	.40	.66
IN.	.20	.24	.40	1.32	5.08	2.21	6.21	7.37	1.49	.78	.46	.74

CAL YR 1990	TOTAL	608217	MEAN	1666	MAX	42400	MIN	119	CFSM	2.24	IN	30.45
WTR YR 1991	TOTAL	529277	MEAN	1450	MAX	22100	MIN	119	CFSM	1.95	IN	26.50

PASCAGOULA RIVER BASIN

02472500 BOUIE CREEK NEAR HATTIESBURG, MS

LOCATION.--Lat 31°25'32", long 89°24'53", in NW4SW4 sec.4, T.5 N., R.14 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170004, on left bank 25 ft downstream from upstream bridge of dual bridges on U.S. Highway 49, 1.0 mi upstream from Okatoma Creek, 2.2 mi southwest of Lux, 10.2 mi northwest of Hattiesburg, and 1.0 mi upstream from mouth.

DRAINAGE AREA.--304 mi².

PERIOD OF RECORD.--September 1938 to current year. Prior to October 1989, published as Bowie Creek near Hattiesburg.

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

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

REMARKS.--Estimated daily discharges: May 28 - June 10. Records good except for estimated daily discharges which are poor. Satellite telemeter at station.

AVERAGE DISCHARGE.--53 years, 457 ft³/s, 20.41 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 45,500 ft³/s, Apr. 14, 1974, gage height, 28.18 ft, from floodmark, minimum, 83 ft³/s, Aug. 29, 1957, minimum gage height, 2.37 ft, Sept. 16, 17, 1972.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 23	0100	6,520	16.87	Apr. 30	2300	*8,540	*19.35

Minimum discharge, 137 ft³/s, Oct 2-3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	139	145	230	194	1240	1080	322	7740	1470	314	210	269
2	139	145	200	192	651	1760	244	4710	1450	274	229	262
3	140	143	254	422	456	2690	220	1690	814	279	230	246
4	151	143	372	508	384	2050	208	1800	520	338	203	220
5	181	146	348	373	807	1170	202	2600	486	504	210	210
6	184	149	249	273	2160	762	197	2990	660	612	221	218
7	170	163	217	284	1480	551	194	2180	660	718	232	225
8	163	157	215	273	935	447	200	1340	727	753	227	239
9	158	221	215	246	698	380	231	1770	592	490	204	204
10	154	285	199	343	433	338	237	2830	475	384	223	201
11	156	266	188	1000	354	307	262	2930	407	314	459	190
12	158	203	181	720	311	292	262	1970	321	280	257	185
13	155	174	179	450	300	290	1900	1180	316	261	227	183
14	153	165	178	311	391	282	1730	819	336	248	207	180
15	150	159	177	265	332	266	2780	619	647	241	202	176
16	147	158	176	286	275	257	2120	517	791	239	202	177
17	146	157	176	275	276	402	1310	451	408	232	199	175
18	146	156	181	238	313	545	807	522	327	228	193	174
19	145	156	209	656	334	450	528	962	562	232	189	280
20	143	156	221	676	3590	328	605	760	1380	234	186	369
21	143	156	205	449	4530	282	457	660	1200	241	183	240
22	152	156	219	324	5490	266	458	748	635	224	180	197
23	161	160	358	264	5860	257	1340	582	451	216	176	189
24	166	165	277	1040	3220	245	1100	574	386	227	178	250
25	156	172	239	1370	1650	231	982	558	371	278	176	636
26	148	167	204	813	887	219	1070	1340	386	245	183	504
27	147	165	191	531	609	215	1060	1440	346	263	205	361
28	147	271	188	782	483	213	1450	1100	328	265	292	242
29	147	407	188	621	---	518	2820	1210	306	247	298	209
30	145	320	189	1940	---	523	7690	1400	354	228	268	199
31	145	---	194	2150	---	481	---	1470	---	220	246	---
TOTAL	4735	5586	6817	18269	38449	18097	32986	51462	18112	9829	6895	7410
MEAN	153	186	220	589	1373	584	1100	1660	604	317	222	247
MAX	184	407	372	2150	5860	2690	7690	7740	1470	753	459	636
MIN	139	143	176	192	275	213	194	451	306	216	176	174
CFSM	.50	.61	.72	1.94	4.52	1.92	3.62	5.46	1.99	1.04	.73	.81
IN.	.58	.68	.83	2.24	4.70	2.21	4.04	6.30	2.22	1.20	.84	.91
CAL YR 1990	TOTAL	264286	MEAN 724	MAX 23200	MIN 139	CFSM 2.38	IN 32.34					
WTR YR 1991	TOTAL	218647	MEAN 599	MAX 7740	MIN 139	CFSM 1.97	IN 26.76					

02473000 LEAF RIVER AT HATTIESBURG, MS

LOCATION.--Lat 31°20'33", long 89°16'46", in SW4NW4 sec.2, T.4 N., R.13 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170005, on right downstream abutment of bridge on U.S. Highway 11, at eastern city limits of Hattiesburg, 150 ft downstream from Boule Creek, 3,200 ft upstream from New Orleans and Northeastern Railroad bridge, and at mile 71.8.

DRAINAGE AREA.--1,748 mi².

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 above National Geodetic Vertical Datum of 1929 (levels by U. S. Army Corps of Engineers). Prior to Jan. 15, 1939, nonrecording gage at same site and datum. Jan. 15, 1939 to Apr. 14, 1981, recording gage in concrete house on left bank 450 ft downstream from U.S. Highway 11.

REMARKS.--Estimated daily discharges: Mar. 3-14, July 14-16, and Sept. 18-30. Records fair except for estimated discharges, which are poor. National Weather Service telemeter at station.

AVERAGE DISCHARGE.--53 years, 2,743 ft³/s, 21.31 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 121,000 ft³/s, Apr. 15, 1974, gage height, 34.03 ft, minimum, 318 ft³/s, Oct. 22, 1963.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 23	1415	28,100	20.81	May 2	0115	*33,100	*22.44
Mar. 2	0345	12,800	12.96	May 11	0330	16,200	14.96
Mar. 4	----	unknown	unknown	May 30	0545	13,100	13.12
Apr. 15	1845	15,700	14.63				

Minimum discharge, 573 ft³/s, Oct. 2, 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	590	595	1360	941	7420	6360	6150	31100	6440	2180	1300	2280
2	581	597	1130	932	5830	11200	4590	32200	4550	1880	1210	2280
3	600	600	1990	1270	4110	12000	2520	26700	3870	2040	1180	2270
4	627	605	1710	1900	2680	13200	1880	23500	3310	2630	1080	1720
5	676	619	1660	1740	2590	11000	1640	20700	3920	3600	1110	1390
6	703	621	1360	1600	7130	9000	1500	18500	4250	3470	1280	1300
7	686	643	1140	1580	7030	6400	1420	15700	3640	3320	1250	1470
8	676	670	1080	1400	6070	4500	1420	11800	2760	3940	1170	1340
9	659	938	1050	1220	5180	3500	1520	10200	2330	3400	1140	1350
10	623	1180	1010	1590	3540	3000	2100	13400	2020	3170	1230	1190
11	608	1230	954	3510	2510	2500	4150	15700	1980	2470	2020	1040
12	609	1070	899	3300	2010	2200	3080	13600	1890	2070	1760	966
13	612	856	877	2920	1790	2100	7840	10700	2980	1920	1510	916
14	614	765	859	2390	1830	2000	10300	8860	4080	1750	1300	892
15	613	723	850	1760	1780	1800	14200	5750	3020	1500	1160	866
16	614	708	841	1530	1570	1700	15200	4300	2220	1250	1080	848
17	615	696	842	1430	1470	2040	14300	3430	2320	1200	1080	832
18	613	683	838	1320	1550	2700	13200	3620	7020	1170	1070	800
19	607	685	915	2090	1590	2660	10300	5350	5420	1150	1020	1200
20	603	682	970	2910	9900	2250	6300	4940	3650	1340	940	1200
21	602	686	974	2690	19700	1940	6710	4460	2550	1290	896	1300
22	618	693	937	2610	25000	1730	5330	3920	2170	1200	871	1200
23	635	699	1250	1940	27800	1590	6170	3260	2070	1140	850	1000
24	650	708	1230	3320	26500	1480	9150	2960	2490	1240	837	1100
25	647	725	1540	5860	22100	1380	8710	3120	2880	1400	829	2600
26	638	740	1770	4780	15900	1300	9030	6930	4150	1670	843	4000
27	627	737	1340	4320	7750	1240	6620	9340	3910	1860	1010	4000
28	615	1010	1120	4250	4720	1210	9650	9820	3380	2210	1280	3000
29	620	1600	1040	3140	---	1900	12500	11400	3080	1920	1250	2000
30	619	1550	1000	5910	---	4440	24700	12700	2500	1600	1200	1300
31	594	---	972	9470	---	5190	---	9280	---	1400	1540	---
TOTAL	19394	24314	35508	85623	227050	125510	222180	357240	100850	62380	36296	47650
MEAN	626	810	1145	2762	8109	4049	7406	11520	3362	2012	1171	1588
MAX	703	1600	1990	9470	27800	13200	24700	32200	7020	3940	2020	4000
MIN	581	595	838	932	1470	1210	1420	2960	1890	1140	829	800
CFSM	.36	.46	.66	1.58	4.64	2.32	4.24	6.59	1.92	1.15	.67	.91
IN.	.41	.52	.76	1.82	4.83	2.67	4.73	7.60	2.15	1.33	.77	1.01
CAL YR 1990	TOTAL	1560460	MEAN	4275	MAX	53100	MIN	581	CFSM	2.45	IN	33.21
WTR YR 1991	TOTAL	1343995	MEAN	3682	MAX	32200	MIN	581	CFSM	2.11	IN	28.60

PASCAGOULA RIVER BASIN

02473000 LEAF RIVER AT HATTIESBURG, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.99	1.99	3.18	2.55	9.28	8.29	8.29	21.82	8.51	4.36	3.12	4.42
2	1.97	1.99	2.84	2.54	8.01	11.93	6.91	22.16	6.89	3.98	2.98	4.43
3	2.00	1.99	3.99	3.07	6.47	---	4.81	20.20	6.24	4.18	2.93	4.42
4	2.06	2.00	3.68	3.97	4.99	---	4.03	18.74	5.67	4.87	2.77	3.71
5	2.16	2.02	3.60	3.76	4.88	---	3.71	17.33	6.29	5.93	2.81	3.25
6	2.21	2.03	3.17	3.58	9.03	---	3.51	16.20	6.61	5.80	3.09	3.11
7	2.18	2.07	2.84	3.55	8.98	---	3.38	14.66	6.01	5.63	3.03	3.36
8	2.16	2.12	2.73	3.28	8.22	---	3.40	12.34	5.08	6.26	2.91	3.18
9	2.12	2.59	2.68	3.03	7.46	---	3.53	11.25	4.58	5.71	2.86	3.19
10	2.05	2.99	2.61	3.55	5.91	---	4.26	13.32	4.20	5.47	2.99	2.95
11	2.02	3.07	2.52	5.81	4.79	---	6.51	14.66	4.15	4.69	4.09	2.70
12	2.02	2.80	2.42	5.61	4.19	---	5.43	13.43	4.03	4.20	3.76	2.58
13	2.03	2.44	2.38	5.21	3.91	---	9.38	11.64	5.31	4.01	3.42	2.49
14	2.03	2.28	2.35	4.60	3.96	---	11.34	10.33	6.45	---	3.11	2.45
15	2.03	2.20	2.34	3.82	3.88	---	13.76	7.94	5.36	---	2.89	2.41
16	2.03	2.16	2.32	3.50	3.60	4.01	14.36	6.65	4.45	---	2.77	2.38
17	2.04	2.14	2.32	3.37	3.46	4.45	13.86	5.80	4.52	2.98	2.77	2.35
18	2.03	2.11	2.33	3.21	3.58	5.24	13.20	5.99	8.97	2.93	2.75	---
19	2.02	2.10	2.46	4.24	3.63	5.20	11.31	7.60	7.66	2.90	2.67	---
20	2.01	2.10	2.56	5.22	10.56	4.71	8.41	7.25	6.00	3.18	2.54	---
21	2.01	2.10	2.57	4.98	16.83	4.33	8.73	6.81	4.83	3.11	2.46	---
22	2.04	2.11	2.51	4.89	19.45	4.05	7.58	6.29	4.38	2.97	2.42	---
23	2.08	2.12	3.02	4.08	20.69	3.87	8.26	5.62	4.24	2.87	2.38	---
24	2.11	2.14	2.99	5.55	20.14	3.71	10.55	5.31	4.75	3.02	2.36	---
25	2.10	2.16	3.44	8.03	18.07	3.56	10.24	5.47	5.20	3.26	2.34	---
26	2.08	2.19	3.77	7.10	14.73	3.44	10.46	8.84	6.49	3.64	2.37	---
27	2.06	2.18	3.17	6.67	9.50	3.35	8.66	10.68	6.25	3.89	2.64	---
28	2.04	2.63	2.83	6.61	7.10	3.29	10.89	11.02	5.73	4.33	3.09	---
29	2.05	3.54	2.70	5.50	---	4.17	12.71	12.03	5.40	3.97	3.04	---
30	2.04	3.47	2.65	7.94	---	6.90	19.28	12.87	4.76	3.55	2.96	---
31	1.99	---	2.60	10.77	---	7.53	---	10.63	---	3.26	3.44	---
MEAN	2.06	2.33	2.82	4.83	8.76	---	8.69	11.45	5.63	---	2.90	---
MAX	2.21	3.54	3.99	10.77	20.69	---	19.28	22.16	8.97	---	4.09	---
MIN	1.97	1.99	2.32	2.54	3.46	---	3.38	5.31	4.03	---	2.34	---

CAL YR 1990 MEAN 5.26 MAX 26.79 MIN 1.97

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 031700005, near right bank on downstream side of bridge on State Highway 528, 0.8 mi west of Waldrup, 11.6 mi east of Bay Springs, and 91.0 mi upstream from mouth.

DRAINAGE AREA.--102 mi².

PERIOD OF RECORD.--Occasional discharge measurements, water years 1961, 1964-65, and annual maximums, water years 1969-79. October 1979 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 290.00 ft above National Geodetic Vertical Datum of 1929. Prior to October 1979, datum of gage at NGVD. October 1979 to September 1980, non-recording gage and crest-stage gage at same site and datum.

REMARKS.--Records good. Telemeter at station.

AVERAGE DISCHARGE.--12 years, 184 ft³/s, 24.50 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,900 ft³/s, Apr. 13, 1974, gage height, 23.18 ft present datum, minimum, 1.5 ft³/s, July 1, 1988.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 20	1745	6,740	19.80	Apr. 30	1045	*7,080	*19.92
Mar. 4	0345	2,160	17.27	May 5	1300	2,420	17.50
Apr. 11	0145	2,330	17.43	May 27	0715	2,560	17.62

Minimum discharge, 5.0 ft³/s, Oct. 1-2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	6.4	13	14	250	190	129	2150	104	21	15	19
2	5.2	6.3	11	13	104	781	80	722	126	19	13	20
3	5.4	6.2	19	15	68	1110	59	214	732	23	12	19
4	6.7	6.3	43	29	55	1340	46	951	237	60	12	20
5	8.9	6.4	20	19	66	636	40	1630	124	45	12	17
6	7.6	8.2	14	15	327	205	36	945	73	30	14	13
7	6.4	8.4	12	14	235	142	33	286	57	24	17	11
8	6.1	7.3	13	15	109	105	35	225	44	23	41	10
9	6.2	13	12	14	70	83	51	582	36	20	38	9.6
10	5.7	41	11	18	51	70	803	495	31	18	20	8.9
11	5.4	14	10	108	40	59	1290	972	32	19	57	8.2
12	5.7	9.3	10	83	32	55	266	669	32	19	61	7.8
13	6.1	7.9	9.5	41	29	61	485	897	43	15	21	7.4
14	6.1	7.7	9.6	26	31	75	776	452	43	13	16	7.3
15	5.8	7.8	9.6	21	28	58	808	169	35	14	15	7.2
16	5.7	7.7	9.6	20	23	48	1030	116	29	16	14	7.0
17	5.6	7.8	9.7	19	23	82	387	156	28	14	12	6.9
18	8.1	7.8	10	17	30	171	114	96	32	12	11	6.9
19	8.6	7.6	15	72	163	120	142	96	84	11	10	6.8
20	6.4	7.7	15	132	3680	77	294	77	77	11	9.8	13
21	6.0	7.9	13	64	2710	59	158	68	38	11	8.6	9.4
22	6.1	8.0	12	34	1490	51	91	64	32	11	8.0	7.8
23	7.2	8.4	18	24	1430	47	681	60	38	24	7.7	8.8
24	7.6	11	33	139	953	41	866	107	43	28	7.5	16
25	6.7	11	18	432	258	35	262	159	77	30	8.0	76
26	6.1	8.1	13	183	157	31	130	775	99	42	13	53
27	6.2	9.3	11	79	120	29	379	1710	55	102	13	26
28	6.2	14	11	60	95	31	916	939	39	52	14	16
29	6.4	47	12	55	---	375	1380	464	31	42	17	12
30	6.1	20	13	398	---	1020	4660	377	26	27	14	10
31	6.2	---	12	655	---	682	---	194	---	19	13	---
TOTAL	197.6	339.5	442.0	2828	12627	7869	16427	16817	2477	815	544.6	461.0
MEAN	6.37	11.3	14.3	91.2	451	254	548	542	82.6	26.3	17.6	15.4
MAX	8.9	47	43	655	3680	1340	4660	2150	732	102	61	76
MIN	5.1	6.2	9.5	13	23	29	33	60	26	11	7.5	6.8
CFSM	.06	.11	.14	.89	4.42	2.49	5.37	5.31	.81	.26	.17	.15
IN.	.07	.12	.16	1.03	4.61	2.87	5.99	6.13	.90	.30	.20	.17
CAL YR 1990	TOTAL	82574.3	MEAN 226	MAX 10900	MIN 5.1	CFSM 2.22	IN 30.12					
WTR YR 1991	TOTAL	61844.7	MEAN 169	MAX 4660	MIN 5.1	CFSM 1.66	IN 22.55					

02473500 TALLAHALA CREEK AT LAUREL, MS

LOCATION.--Lat 31°40'50", long 89°06'55", in NE¼ sec.8, T.8 N., R.11 W., St. Stephens Meridian, Jones County, Hydrologic Unit 03170005, on right bank at upstream side of bridge on State Highway 15, 0.5 mi upstream from Illinois Central and Gulf Railroad bridge, 0.5 mi southeast of city limits of Laurel, 13.1 mi upstream from Tallahoma Creek, and 54.0 mi from mouth.

DRAINAGE AREA.--238 mi².

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

REVISED RECORDS.--WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 201.37 ft above National Geodetic Vertical Datum of 1929 (Mississippi State Highway Department bench mark). Prior to Dec. 14, 1938, nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharges. Records good. Telemeter at station.

AVERAGE DISCHARGE.--53 years, 354 ft³/s, 20.20 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 23,300 ft³/s, Apr. 14, 1974, gage height, 23.28 ft, from floodmark, minimum, 1.8 ft³/s, Nov. 3, 1952, Oct. 31, and Nov. 1, 1963, minimum gage height, 1.21 ft, Oct. 31 and Nov. 1, 1963.

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

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

Date	Time	Discharge (ft³/s)	Gage Height (ft)	Date	Time	Discharge (ft³/s)	Gage Height (ft)
Feb. 22	2030	6,560	18.02	May 2	0200	*7,110	*18.32

Minimum discharge, 9.8 ft³/s, Oct. 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	11	58	31	981	804	663	4480	1580	124	77	48
2	10	12	57	32	885	1230	797	6130	945	100	61	63
3	11	11	62	60	677	1490	614	3480	545	97	53	59
4	14	10	64	63	355	1470	239	2810	439	298	44	54
5	13	12	75	71	288	1360	171	2430	638	436	39	46
6	12	11	63	68	348	1490	142	2300	562	247	36	47
7	12	11	59	76	446	1600	126	1870	296	170	46	46
8	12	11	44	67	523	1480	117	2170	203	153	53	44
9	13	42	37	61	392	628	115	2060	161	138	49	35
10	14	20	33	112	263	324	185	1610	137	109	93	29
11	13	38	31	198	209	267	266	1170	120	98	85	25
12	12	34	30	209	176	226	499	1420	132	84	62	23
13	12	44	27	201	156	203	894	1730	145	73	62	21
14	11	31	25	165	146	200	1100	1540	130	68	89	20
15	11	22	25	119	148	192	1490	1420	125	60	56	18
16	11	18	24	98	138	188	1250	1330	114	104	43	18
17	12	16	23	85	134	201	1090	954	207	76	36	16
18	12	15	26	77	132	235	1120	404	292	58	33	15
19	12	14	28	101	165	276	1140	401	401	56	31	15
20	12	15	30	130	953	307	981	381	248	52	29	13
21	12	14	34	161	1670	245	620	301	218	44	27	13
22	12	14	36	188	4260	194	532	251	169	46	25	13
23	14	15	47	156	5070	169	821	223	129	40	23	13
24	14	16	63	354	3230	155	999	211	378	44	25	51
25	13	17	58	469	2510	140	1010	276	310	47	28	105
26	12	18	53	497	2100	130	997	1030	419	77	28	119
27	11	20	51	522	1760	113	1170	1290	477	143	35	141
28	11	80	40	364	1070	109	1220	1190	332	205	31	100
29	11	55	35	247	---	331	1530	1350	245	197	30	60
30	11	65	32	709	---	400	3080	1740	161	125	34	43
31	11	---	31	1080	---	568	---	1880	---	93	34	---
TOTAL	371	712	1301	6771	29185	16725	24978	49832	10258	3662	1397	1313
MEAN	12.0	23.7	42.0	218	1042	540	833	1607	342	118	45.1	43.8
MAX	14	80	75	1080	5070	1600	3080	6130	1580	436	93	141
MIN	10	10	23	31	132	109	115	211	114	40	23	13
CFSM	.05	.10	.18	.92	4.38	2.27	3.50	6.75	1.44	.50	.19	.18
IN.	.06	.11	.20	1.06	4.56	2.61	3.90	7.79	1.60	.57	.22	.21

CAL YR 1990	TOTAL	183559.9	MEAN	503	MAX	9300	MIN	9.9	CFSM	2.11	IN	28.69
WTR YR 1991	TOTAL	146505.0	MEAN	401	MAX	6130	MIN	10	CFSM	1.69	IN	22.90

02474500 TALLAHALA CREEK NEAR RUNNELSTOWN, MS

LOCATION.--Lat 31°19'57", long 89°06'46", in SEMSEM sec.5, T.4 N., R.11 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, on right bank at downstream side of bridge on county highway between Sunrise and Runnelstown, 3.0 mi south of Runnelstown, and 11.9 mi upstream from mouth.

DRAINAGE AREA.--612 mi².

PERIOD OF RECORD.--October 1939 to September 1982. October 1982 to September 1984 (high water records only). October 1984 to current year. Monthly discharge only for October 1939, published in WSP 1304.

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

REMARKS.--No estimated daily discharges. Records good.

AVERAGE DISCHARGE.--50 years, 950 ft³/s, 21.08 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,800 ft³/s, Feb. 24, 1961, gage height, 29.84 ft in gage well, 30.07 ft from outside gage, present datum, minimum, 29 ft³/s, Oct. 31, 1963, minimum gage height, 4.39 ft, Oct. 2, 1991.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 25	1400	8,930	19.71	May 4	1900	*10,900	*21.53
Mar. 2	0400	6,390	16.91				

Minimum discharge, 56 ft³/s, Oct. 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	58	240	144	2930	4320	1350	7380	3630	553	328	243
2	57	58	208	140	2380	6110	1440	7970	3080	457	273	267
3	58	57	647	136	1790	5960	1450	9040	3630	564	231	520
4	63	57	426	447	1320	5460	1080	10600	2660	810	202	400
5	81	61	318	502	927	4550	657	10500	1710	2010	198	300
6	86	63	294	389	1200	3710	519	9860	2090	1530	179	245
7	80	62	237	334	1280	3260	457	8190	1830	1000	163	344
8	71	63	212	400	1210	3080	455	6470	1250	817	153	288
9	68	107	184	393	1130	2630	467	5370	861	680	205	224
10	64	185	160	298	877	1580	573	5830	736	604	206	186
11	63	179	146	291	660	1010	1170	5600	1020	489	414	159
12	64	129	136	1350	545	836	1120	4340	896	402	329	141
13	64	131	129	1270	486	732	1790	4170	1360	353	232	134
14	61	120	123	901	506	648	2970	4240	1750	309	207	132
15	67	122	119	701	443	610	3510	4070	981	291	223	121
16	76	108	114	554	408	578	4080	3610	683	309	197	117
17	79	97	111	454	414	741	3560	3030	612	317	164	110
18	88	87	108	378	431	899	2970	2470	1950	292	152	107
19	77	82	114	322	428	910	2880	2170	2110	233	141	113
20	68	78	132	316	1980	899	2680	1720	1340	206	129	122
21	68	76	135	747	3790	801	2170	1700	1140	236	121	118
22	70	73	140	728	6070	658	1780	1430	940	316	114	111
23	71	76	181	644	6840	555	2010	1180	723	251	109	111
24	71	77	255	557	7650	488	2610	1090	657	345	106	188
25	68	78	247	511	8800	438	2670	1200	1070	330	105	609
26	67	76	222	1400	7850	398	3110	3210	1040	353	113	778
27	65	75	205	2160	6050	368	2740	4450	1140	506	126	787
28	63	141	178	1660	4560	337	3020	4350	1240	708	176	605
29	63	411	168	1180	---	693	3870	3940	1030	859	256	416
30	61	309	153	1820	---	1600	6600	3750	751	662	197	298
31	59	---	147	3030	---	1200	---	3650	---	447	212	---
TOTAL	2119	3296	6189	24157	72955	56059	65758	146580	43910	17239	5961	8294
MEAN	68.4	110	200	779	2606	1808	2192	4728	1464	556	192	276
MAX	88	411	647	3030	8800	6110	6600	10600	3630	2010	414	787
MIN	57	57	108	136	408	337	455	1090	612	206	105	107
CFSM	.11	.18	.33	1.27	4.26	2.95	3.58	7.73	2.39	.91	.31	.45
IN.	.13	.20	.38	1.47	4.43	3.41	4.00	8.91	2.67	1.05	.36	.50

CAL YR 1990	TOTAL	492110	MEAN	1348	MAX	16300	MIN	56	CFSM	2.20	IN	29.91
WTR YR 1991	TOTAL	452517	MEAN	1240	MAX	10600	MIN	57	CFSM	2.03	IN	27.51

02474560 LEAF RIVER NEAR NEW AUGUSTA, MS

LOCATION.--Lat 31°13'17", long 89°03'11", in NE4SW4 sec.13, T.3 N., R.11 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, on left bank at downstream abutment of bridge on State Highway 29, 4.2 mi downstream from Tallahala Creek and 1.4 mi north of courthouse in New Augusta, and at mile 43.6.

DRAINAGE AREA.--2,542 mi².

PERIOD OF RECORD.--December 1983 to current year.

GAGE.--Water-stage recorder and crest-stage. Datum of gage is 72.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Dec. 12-13, Feb. 23-24, Mar. 10 to Mar. 15. Records good except for estimated daily discharges, which are poor. Telemeter and satellite telemeter at station.

AVERAGE DISCHARGE.--7 years, 4289 ft³/s, 22.91 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 74,700 ft³/s, May 15, 1990, gage height, 29.77 ft inside gage, 30.71 ft, from outside gage; minimum 590 ft³/s, July 2, 1988, gage height 1.65 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Floods of February 1961 and April 1974 reached stage of 35.3 ft, discharge, 112,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 41,300 ft³/s, May 3, gage height 25.71 ft inside gage, 26.48 ft, from outside gage, minimum 715 ft³/s, Nov. 1, 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	747	723	1560	1350	12000	11000	7120	27600	12900	3330	1910	2310
2	739	723	1390	1340	9600	18800	7260	34600	9850	2840	1760	2550
3	733	722	2080	1820	7470	18700	5350	40200	10000	3180	1780	2790
4	786	725	2550	2530	5430	18800	4120	38600	11000	3200	1610	2500
5	792	738	1900	2430	4320	18100	3390	36100	7710	5610	1660	2050
6	849	745	1720	2360	6610	14900	3040	32600	7500	6220	2030	1850
7	869	746	1480	2870	9080	11500	2870	29100	7190	4950	1740	2180
8	837	765	1320	2340	8020	8570	2900	25200	5620	4880	1630	1980
9	822	959	1270	2020	7240	6650	2960	20700	4600	4270	1560	1790
10	790	1200	1210	2100	5880	5700	3220	19200	4180	3870	1560	1690
11	754	1300	1130	5030	4270	4600	5130	21700	4860	3260	2150	1480
12	759	1230	1100	5260	3480	3900	5580	21800	4080	2620	2330	1360
13	759	1060	1100	4170	3120	3300	6340	19300	5090	2310	2200	1300
14	757	942	1100	3670	3090	3000	12300	16100	7430	2110	1770	1260
15	756	891	1100	2970	3050	3000	14400	13000	5950	1970	1670	1220
16	767	862	1100	2540	2820	2870	17700	10100	4360	1880	1540	1190
17	778	835	1100	2310	2690	3190	18600	8360	3610	1840	1440	1170
18	791	809	1110	2170	2710	3930	17500	8070	6620	1790	1390	1150
19	766	793	1140	2680	2790	4140	16300	9260	9140	1700	1350	1670
20	745	779	1230	3880	6270	3880	12300	8830	6500	1720	1310	1380
21	737	781	1280	3770	16200	3540	9730	8140	4870	1800	1270	1520
22	752	787	1300	3620	22700	3210	8870	7470	4350	1790	1230	1530
23	762	795	1430	3200	27400	2980	8080	6340	3770	1740	1200	1400
24	769	803	1710	3940	29700	2820	11100	5670	3710	1730	1180	1360
25	763	808	1620	8130	30200	2690	12500	6010	4180	1830	1180	2470
26	749	822	1980	7360	27800	2590	13000	10600	4990	2080	1180	4050
27	739	825	1860	6180	22600	2510	12000	15700	5290	2290	1250	4170
28	732	909	1570	6010	13400	2460	11200	16500	5030	2690	1590	3910
29	732	1540	1450	5590	---	2790	14300	15800	4650	2960	1700	3050
30	737	1730	1400	6340	---	5420	20700	16700	3880	2600	1610	2100
31	737	---	1380	11800	---	6410	---	16500	---	2170	1640	---
TOTAL	23805	27347	44670	121780	299940	205950	289860	565850	182910	87230	49420	60430
MEAN	768	912	1441	3928	10710	6644	9662	18250	6097	2814	1594	2014
MAX	869	1730	2550	11800	30200	18800	20700	40200	12900	6220	2330	4170
MIN	732	722	1100	1340	2690	2460	2870	5670	3610	1700	1180	1150
CFSM	.30	.36	.57	1.55	4.21	2.61	3.80	7.18	2.40	1.11	.63	.79
IN.	.35	.40	.65	1.78	4.39	3.01	4.24	8.28	2.68	1.28	.72	.88
CAL YR 1990	TOTAL	2115634	MEAN	5796	MAX	74000	MIN	722	CFSM	2.28	IN	30.96
WTR YR 1991	TOTAL	1959192	MEAN	5368	MAX	40200	MIN	722	CFSM	2.11	IN	28.67

02474560 LEAF RIVER NEAR NEW AUGUSTA, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.63	2.58	4.05	3.21	12.97	11.99	9.25	22.10	13.42	5.80	4.18	4.74
2	2.61	2.58	3.75	3.17	11.16	17.19	9.32	24.55	11.26	5.23	3.96	5.06
3	2.60	2.57	4.68	3.89	9.44	17.18	7.54	25.54	11.42	5.66	3.98	5.37
4	2.71	2.58	5.38	4.89	7.59	17.32	6.26	25.28	12.12	5.70	3.72	4.99
5	2.72	2.61	4.50	4.74	6.46	16.94	5.40	24.87	9.62	8.23	3.79	4.38
6	2.84	2.62	4.22	4.63	8.59	15.04	4.94	24.21	9.45	8.83	4.34	4.10
7	2.88	2.63	3.82	5.27	10.69	12.81	4.69	22.92	9.20	7.65	3.93	4.56
8	2.81	2.66	3.54	4.57	9.82	10.66	4.69	20.86	7.80	7.59	3.77	4.28
9	2.78	3.04	3.43	4.12	9.15	9.11	4.71	17.95	6.82	6.99	3.66	4.00
10	2.72	3.50	3.32	4.20	7.92	---	4.98	17.01	6.40	6.56	3.66	3.86
11	2.64	3.67	---	7.55	6.31	---	6.94	18.62	7.12	5.89	4.50	3.53
12	2.65	3.55	---	7.78	5.43	---	7.36	18.65	6.33	5.13	4.76	3.33
13	2.65	3.23	---	6.66	5.00	---	7.95	17.08	7.35	4.73	4.59	3.22
14	2.65	3.02	---	6.11	4.95	---	12.66	15.23	9.53	4.46	3.98	3.15
15	2.65	2.92	3.04	5.27	4.87	---	14.04	13.23	8.23	4.27	3.83	3.09
16	2.67	2.86	3.03	4.71	4.59	5.64	16.04	11.13	6.69	4.14	3.61	3.03
17	2.69	2.81	3.01	4.40	4.40	6.00	16.52	9.83	5.90	4.07	3.45	3.00
18	2.72	2.76	3.02	4.19	4.41	6.80	15.89	9.60	8.77	4.01	3.38	2.97
19	2.67	2.72	3.05	4.83	4.50	6.99	15.14	10.57	10.99	3.87	3.31	3.81
20	2.62	2.69	3.19	6.24	7.83	6.66	12.48	10.26	8.81	3.89	3.24	3.37
21	2.61	2.70	3.26	6.10	15.37	6.24	10.67	9.72	7.30	4.02	3.17	3.58
22	2.64	2.71	3.29	5.93	19.44	5.81	10.00	9.17	6.78	4.01	3.11	3.61
23	2.66	2.73	3.49	5.42	---	5.49	9.36	8.21	6.17	3.94	3.05	3.40
24	2.67	2.74	3.90	6.18	---	5.25	11.66	7.61	6.12	3.91	3.02	3.32
25	2.66	2.75	3.76	10.12	23.49	5.04	12.70	7.93	6.66	4.06	3.03	4.92
26	2.63	2.78	4.27	9.47	22.37	4.87	13.01	11.65	7.49	4.43	3.01	6.82
27	2.61	2.79	4.09	8.42	19.43	4.72	12.32	15.19	7.82	4.71	3.13	6.95
28	2.60	2.95	3.64	8.24	13.66	4.62	11.74	15.69	7.58	5.24	3.71	6.67
29	2.60	4.03	3.42	7.84	---	4.97	13.85	15.26	7.21	5.57	3.87	5.68
30	2.61	4.32	3.32	8.47	---	7.77	17.90	15.85	6.41	5.12	3.73	4.46
31	2.61	---	3.27	12.82	---	8.68	---	15.75	---	4.54	3.78	---
MEAN	2.67	2.94	---	6.11	---	---	10.33	15.86	8.23	5.23	3.69	4.24
MAX	2.88	4.32	---	12.82	---	---	17.90	25.54	13.42	8.83	4.76	6.95
MIN	2.60	2.57	---	3.17	---	---	4.69	7.61	5.90	3.87	3.01	2.97

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, near right bank at downstream side of bridge on county highway, 0.5 mi upstream from Linda Creek, 1.0 mi downstream from Sweetwater Creek, 3.5 mi upstream from State Highway 42, and 6.0 mi north-west of Richton.

DRAINAGE AREA.--344 mi².

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

REVISED RECORDS.--WDR MS-87-1: 1986 (m).

GAGE.--Water-stage recorder. Elevation of gage is 117 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Oct. 1 - Nov. 1, Feb. 10 - Mar. 13, May 2-29, July 12-16, July 20-23, July 28 - Aug. 29, and Sept. 15-30. Records good except estimated daily discharges, which are poor. Flow slightly regulated by Lake Bogue Homo, 36 mi upstream.

AVERAGE DISCHARGE.--21 years, 558 ft³/s, 22.03 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21,900 ft³/s, Dec. 28, 1973, gage height, 27.63 ft from flood-mark, minimum, 6.2 ft³/s, Aug. 1, 2, 4, 5, 1981.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,700 ft³/s, and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 23	----	unknown	unknown	May 1	2330	*6,650	*15.67

Minimum recorded, 9.8 ft³/s, Oct. 31 and Nov. 1, but may have been less during period of no gage height record.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	10	61	29	1920	1360	642	6200	1370	235	63	44
2	10	10	42	36	1400	2520	716	4800	991	218	58	47
3	10	10	227	219	1400	2560	655	4000	1020	249	54	50
4	12	10	289	492	1420	2420	359	3500	1110	350	51	59
5	12	12	175	369	1190	2210	201	5200	793	482	50	56
6	11	12	96	292	859	2240	154	3900	560	372	59	54
7	11	12	50	339	708	2290	138	3200	469	298	62	50
8	11	12	41	372	603	2130	155	2800	307	291	63	44
9	11	40	34	339	554	1260	149	2550	226	247	60	40
10	12	44	29	373	277	574	662	3000	193	214	86	40
11	11	37	26	1080	227	433	656	3900	280	203	104	39
12	11	34	24	1140	194	367	458	2800	292	148	79	37
13	10	29	22	779	176	333	321	2500	307	129	98	35
14	11	25	21	664	168	227	292	2140	263	122	149	34
15	10	22	20	557	167	216	677	1900	241	102	98	27
16	10	20	18	404	157	212	795	1760	217	90	73	26
17	10	19	16	330	154	288	674	1450	201	105	60	24
18	10	18	15	284	158	399	687	890	1230	111	45	25
19	10	18	16	456	195	438	749	727	1260	100	35	29
20	10	17	18	726	1690	425	565	745	775	72	26	24
21	10	17	18	603	2610	393	332	622	643	64	26	22
22	10	16	39	522	4060	318	358	548	554	62	26	21
23	11	18	130	441	4630	253	626	477	357	63	28	21
24	10	17	201	893	3450	215	748	426	235	281	33	45
25	10	16	181	1670	3080	184	764	466	206	346	40	129
26	10	16	113	1440	2850	148	1230	1470	335	265	46	117
27	9.0	14	63	1060	2440	126	1470	2290	386	133	46	190
28	9.0	33	42	1190	1560	114	1460	2300	347	110	52	160
29	9.0	82	39	1270	---	254	1640	2210	473	91	63	99
30	10	72	35	1700	---	667	3850	2470	347	80	46	71
31	10	---	32	2160	---	620	---	1900	---	70	47	---
TOTAL	321.0	712	2133	22229	38297	26194	22183	73141	15988	5703	1826	1659
MEAN	10.4	23.7	68.8	717	1368	845	739	2359	533	184	58.9	55.3
MAX	12	82	289	2160	4630	2560	3850	6200	1370	482	149	190
MIN	9.0	10	15	29	154	114	138	426	193	62	26	21
CFSM	.03	.07	.20	2.08	3.98	2.46	2.15	6.86	1.55	.54	.17	.16
IN.	.03	.08	.23	2.40	4.14	2.83	2.40	7.91	1.73	.62	.20	.18

CAL YR 1990 TOTAL 258479.1 MEAN 708 MAX 12500 MIN 8.3 CFSM 2.06 IN 27.95
WTR YR 1991 TOTAL 210386.0 MEAN 576 MAX 6200 MIN 9.0 CFSM 1.67 IN 22.75

02475000 LEAF RIVER NEAR McLAIN, MS

LOCATION.--Lat 31°06'10", long 88°48'30", in SE4 sec.29, T.2 N., R.8 W., St. Stephens Meridian, Greene County, Hydrologic Unit 03170005, on downstream side of right main pier of bridge on U.S. Highway 98, 1.2 mi east of McLain, 1.8 mi downstream from Atkinson Creek, 5.5 mi upstream from Big Oktibee Creek, and 14.6 mi upstream from confluence with Chickasawhay River.

DRAINAGE AREA.--3,495 mi².

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 above National Geodetic Vertical Datum of 1929. Prior to Sept. 8, 1940, nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharges. Records good. National Weather Service telemeter at station.

AVERAGE DISCHARGE.--52 years, 5,523 ft³/s, 21.46 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 128,000 ft³/s, Feb. 26, 1961, gage height, 31.64 ft, minimum, 478 ft³/s, Oct. 22, 1963, minimum gage height, 1.78 ft, Oct. 28, 29, Nov. 1, 2, 1968.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 48,200 ft³/s, May 6, gage height, 24.21 ft, minimum, 812 ft³/s, Oct. 29-30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	832	835	2120	1430	17100	24800	8300	24700	21400	4260	2280	2160
2	832	825	1940	1380	15900	32000	9020	31200	17600	3640	2060	2860
3	824	826	1920	1570	12800	34700	8020	39000	14500	3630	1990	3050
4	849	823	4060	3380	9880	31100	5930	43900	14900	6020	1880	3230
5	896	838	3180	3630	7790	28900	4400	46000	14200	7130	1760	2670
6	929	854	2560	3060	8200	27100	3520	47400	11400	10300	2230	2280
7	989	855	2170	6260	10700	23500	3110	44000	10100	8730	2040	2520
8	983	858	1860	5250	10500	18800	3500	39500	8090	9430	1870	2590
9	949	1040	1680	3570	9100	13800	3630	34600	5930	7270	1770	2240
10	910	1510	1560	3140	7890	9890	4490	30200	4910	5490	1730	2090
11	871	1730	1450	8180	6000	7040	5870	31000	6540	4730	1820	1910
12	852	1780	1360	10700	4600	5700	7470	29200	5840	3800	2650	1700
13	855	1620	1300	7900	3870	5240	6170	27800	6540	3150	2380	1580
14	856	1420	1270	6080	3730	4810	9800	24900	11900	2830	2150	1520
15	862	1280	1240	5000	3810	4430	14300	21400	10200	2570	1860	1470
16	858	1220	1220	4210	3430	4220	17000	17200	6630	2370	1730	1410
17	879	1160	1200	3590	3180	4580	18700	12500	4860	2260	1600	1370
18	910	1120	1200	3120	3110	6040	19300	11300	5940	2200	1500	1360
19	894	1090	1210	3730	3200	6280	18700	14800	12000	2120	1450	1540
20	868	1060	1260	5550	4940	5910	17400	13700	11800	2010	1390	1820
21	848	1050	1350	5710	14700	5300	12900	12000	8300	2080	1340	1670
22	854	1050	1390	4950	21100	4760	10200	10600	6530	2050	1280	1800
23	867	1050	1520	4500	28600	4260	9080	8860	5720	2120	1240	1720
24	866	1060	1960	5240	35700	3870	10400	7560	5230	2620	1200	1590
25	872	1070	2050	11800	40700	3550	13400	8910	5130	2720	1210	2170
26	854	1080	2100	12500	42100	3290	15100	19500	5530	2880	1210	4190
27	837	1090	2310	9970	39200	3110	15200	28200	6340	2840	1200	5050
28	829	1110	2000	8550	32200	2950	13700	31800	6230	2920	1480	4840
29	819	1480	1750	8910	---	3250	14300	27700	5760	3330	1810	4250
30	822	2160	1590	10300	---	5860	20400	24600	5250	3180	1860	3130
31	836	---	1480	15500	---	8230	---	23000	---	2690	1800	---
TOTAL	27002	34944	55260	188660	404030	347270	323310	787030	265300	123370	53770	71780
MEAN	871	1165	1783	6086	14430	11200	10780	25390	8843	3980	1735	2393
MAX	989	2160	4060	15500	42100	34700	20400	47400	21400	10300	2650	5050
MIN	819	823	1200	1380	3110	2950	3110	7560	4860	2010	1200	1360
CFSM	.25	.33	.51	1.74	4.13	3.21	3.08	7.27	2.53	1.14	.50	.69
IN.	.29	.37	.59	2.01	4.30	3.70	3.44	8.38	2.82	1.31	.57	.76
CAL YR 1990	TOTAL	2956373	MEAN	8100	MAX	71000	MIN	819	CFSM	2.32	IN	31.47
WTR YR 1991	TOTAL	2681726	MEAN	7347	MAX	47400	MIN	819	CFSM	2.10	IN	28.54

02475500 CHUNKY RIVER NEAR CHUNKY, MS

LOCATION.--Lat 32°19'35", long 88°54'35", in SE4SW4 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 upstream from Illinois Central and Gulf Railroad bridge, 1.2 mi east of Chunky, 3.2 mi upstream from Tallahatta Creek, and 5.5 mi downstream from Concobona Creek.

DRAINAGE AREA.--369 mi².

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

REVISED RECORDS.--WSP 1724: 1950(M). WDR MS-80-1: Drainage area.

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

REMARKS.--No estimated daily discharges. Records good. Satellite telemeter and National Weather Service telemeter at station.

AVERAGE DISCHARGE.--53 years, 502 ft³/s, 18.48 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,900 ft³/s, Mar. 4, 1979, gage height, 26.64 ft, minimum, 1.6 ft³/s Sept. 28-30, 1954.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 21	1400	9,400	17.75	Apr. 30	2400	*15,700	*22.66
Apr. 16	0600	11,500	19.95				

Minimum discharge, 12 ft³/s, Oct. 1,2,3, gage height, 2.08 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	24	117	213	872	670	2710	12700	1090	205	99	410
2	13	26	98	180	447	1770	759	5870	640	172	87	155
3	14	27	139	167	349	2310	538	2720	735	166	79	109
4	17	27	683	271	305	2520	430	2070	784	408	74	113
5	21	28	383	253	299	2220	371	2450	429	366	71	96
6	31	26	179	195	728	1180	334	2650	328	312	68	76
7	27	31	128	171	713	710	306	2210	274	356	79	64
8	23	35	125	228	432	551	299	1530	232	678	65	58
9	22	55	118	219	333	454	347	1730	196	946	75	55
10	21	193	101	222	284	388	924	1890	171	417	85	50
11	19	159	88	695	252	347	666	1730	162	232	588	48
12	19	95	81	616	227	325	501	1940	176	173	643	46
13	18	68	80	363	205	359	1260	2200	378	141	204	43
14	18	55	80	262	200	384	2420	1930	334	121	116	42
15	18	46	82	215	187	318	6650	965	211	107	95	40
16	18	41	75	226	161	277	10400	610	169	98	85	38
17	19	37	75	240	158	347	5590	475	176	96	80	36
18	21	36	76	200	214	710	2470	468	178	86	72	36
19	22	36	88	282	1050	586	1060	507	178	82	66	183
20	21	37	108	540	4000	404	1580	759	283	90	61	440
21	21	37	100	383	8600	335	1320	691	170	91	55	163
22	21	40	95	260	6790	306	777	495	241	85	51	98
23	23	41	841	204	4870	293	1220	432	433	77	49	79
24	26	48	1190	370	4010	265	1380	512	321	73	46	167
25	27	53	717	1090	2380	238	844	765	1060	92	45	631
26	25	52	330	728	951	216	521	1480	1340	379	58	915
27	26	48	223	412	687	202	1040	2600	633	531	93	443
28	24	76	187	362	554	255	2100	3300	378	305	71	172
29	23	343	171	360	---	1310	3370	3110	310	187	77	121
30	23	228	168	853	---	3030	10400	2060	261	143	73	98
31	25	---	191	1420	---	4280	---	1390	---	116	135	---
TOTAL	658	2048	7117	12200	40258	27560	62587	64239	12271	7331	3545	5025
MEAN	21.2	68.3	230	394	1438	889	2086	2072	409	236	114	168
MAX	31	343	1190	1420	8600	4280	10400	12700	1340	946	643	915
MIN	12	24	75	167	158	202	299	432	162	73	45	36
CFSM	.06	.19	.62	1.07	3.90	2.41	5.65	5.62	1.11	.64	.31	.46
IN.	.07	.21	.72	1.23	4.06	2.78	6.31	6.48	1.24	.74	.36	.51

CAL YR 1990	TOTAL	259430	MEAN	711	MAX	19000	MIN	12	CFSM	1.93	IN	26.15
WTR YR 1991	TOTAL	244839	MEAN	671	MAX	12700	MIN	12	CFSM	1.82	IN	24.68

02476500 SOWASHEE CREEK AT MERIDIAN, MS

LOCATION.--Lat 32°22'25", long 88°40'40", in SE¼ sec. 8, T.6 N., R.16 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03170001, at bridge on U.S. Highways 80 and 11, 0.2 mi downstream from Southern Railway System bridge, and 9.5 mi upstream from mouth.

DRAINAGE AREA.--49.0 mi².

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

REVISED RECORDS.--WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 305.95 ft above National Geodetic Vertical Datum of 1929. Prior to Nov. 13, 1959, at present site at datum 3.00 ft higher. Nov. 13, 1959 to Dec. 13, 1990 at site 0.4 mi downstream.

REMARKS.--Estimated daily discharges: Oct. 1 - Dec. 13, Mar. 21-27, Apr. 5-8, June 3-15, July 12-23, Aug. 4-5, 13-19, 21-23, 27-28, Sept. 1-22, and 27-30. Records poor. Satellite telemeter and National Weather Service telemeter at station.

AVERAGE DISCHARGE.--41 years, 68.7 ft³/s, 17.91 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,530 ft³/s, Apr. 6, 1964, gage height, 20.95 ft, maximum gage height, 22.98 ft, Mar. 4, 1979, minimum discharge, 0.20 ft³/s, Oct. 4, 1954, and at times during July, August, September 1957.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 20	0215	*5,290	*9.58	Apr. 29	2230	4,250	8.90
Apr. 15	0015	1,360	6.05				

Minimum recorded discharge, 2.8 ft³/s, Oct. 3, but may have been less during period of no gage-height record.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	1.9	3.5	17	47	275	49	398	31	24	25	24
2	1.9	1.9	3.2	12	33	269	41	245	27	21	28	19
3	2.8	1.9	5.0	43	26	593	34	231	25	21	25	16
4	6.0	1.9	10	28	25	190	28	342	23	41	22	13
5	4.5	3.5	8.0	17	28	105	26	418	22	27	20	11
6	3.0	2.5	6.0	14	33	80	23	420	21	23	25	10
7	2.7	2.2	7.2	15	24	65	21	149	20	56	48	12
8	2.6	2.0	6.8	12	17	54	20	560	19	37	25	10
9	2.4	250	6.0	10	13	45	40	469	19	29	25	9.4
10	2.3	100	5.8	412	11	36	188	288	23	25	89	8.6
11	2.2	30	5.6	186	8.9	33	57	273	27	17	135	8.0
12	2.2	20	5.5	36	7.6	34	40	431	22	12	26	7.6
13	2.1	10	5.5	20	7.6	50	65	402	20	10	20	7.4
14	2.1	8.0	5.4	15	8.5	35	501	152	18	8.0	17	7.2
15	2.0	6.0	6.0	14	6.0	28	898	97	18	7.0	16	7.0
16	2.0	5.2	8.5	18	4.8	26	144	67	26	6.2	15	7.0
17	2.5	4.8	7.2	11	12	50	93	48	75	5.8	14	8.0
18	2.2	4.5	55	12	15	47	72	92	145	5.6	13	23
19	2.1	4.2	77	111	1560	32	70	66	62	5.4	20	15
20	2.0	4.0	19	40	2590	26	124	113	47	5.2	27	13
21	2.8	3.8	8.5	20	286	23	61	64	44	5.2	20	11
22	2.5	5.0	25	13	492	21	61	46	52	5.2	16	10
23	2.3	4.2	56	9.9	261	20	110	44	47	5.2	15	25
24	2.2	3.8	27	469	118	20	62	85	39	42	26	33
25	2.1	3.5	13	154	90	19	45	89	62	37	50	50
26	2.1	3.3	8.3	42	75	25	36	799	76	80	28	25
27	2.0	3.2	8.2	31	63	35	132	453	51	31	12	10
28	2.0	8.0	8.5	32	56	43	371	164	43	26	20	8.0
29	2.0	7.0	8.2	38	---	569	2070	112	34	26	32	7.0
30	1.9	4.5	23	500	---	153	2060	72	29	26	153	6.0
31	1.9	---	39	162	---	74	---	49	---	26	28	---
TOTAL	75.2	510.8	480.9	2513.9	5918.4	3075	7542	7238	1167	695.8	1035	421.2
MEAN	2.43	17.0	15.5	81.1	211	99.2	251	233	38.9	22.4	33.4	14.0
MAX	6.0	250	77	500	2590	593	2070	799	145	80	153	50
MIN	1.8	1.9	3.2	9.9	4.8	19	20	44	18	5.2	12	6.0
CFSM	.05	.33	.30	1.56	4.05	1.90	4.82	4.47	.75	.43	.64	.27
IN.	.05	.36	.34	1.79	4.23	2.20	5.38	5.17	.83	.50	.74	.30
CAL YR 1990	TOTAL	31175.2	MEAN	85.4	MAX	2420	MIN	1.1	CFSM	1.64	IN	22.26
WTR YR 1991	TOTAL	30673.2	MEAN	84.0	MAX	2590	MIN	1.8	CFSM	1.61	IN	21.90

PASCAGOULA RIVER BASIN

02476600 OKATIBBEE CREEK AT ARUNDEL, MS

LOCATION.--Lat 32°17'55", long 88°45'15", in SE4SW4 sec.3, T.5 N., R.15 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03170001, on right bank, 100 ft downstream from Hognose Creek, 400 ft upstream from bridge on county road, 0.6 mi southeast of Arundel, and at mi 16.3.

DRAINAGE AREA.--342 mi².

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 above National Geodetic Vertical Datum of 1929 (U. S. Army Corps of Engineers bench mark). Prior to Apr. 17, 1975, supplementary water-stage recorder at bridge 400 ft downstream at same datum.

REMARKS.--Estimated daily discharges: Jan. 11-12, June 21-24. Records fair. Flow from 154 mi² above the station, 21.3 mi upstream, regulated by Okatibbee Lake since November 1968. Telemeter, satellite telemeter, and U.S. Army Corps of Engineers radio telemeter at station.

COOPERATION.--Gage-height record was collected in cooperation with the U. S. Army Corps of Engineers.

AVERAGE DISCHARGE.--23 years, 533 ft³/s, 21.16 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,800 ft³/s, Feb. 16, 1990, gage height, 22.65 ft, minimum daily, 20 ft³/s, Oct. 5, and 26, 1968.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,100 ft³/s, Apr. 30, gage height, 19.85 ft, minimum daily, 24 ft³/s, Nov. 17-22, 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	56	40	189	510	1660	546	4340	1600	254	89	100
2	62	45	42	138	547	2190	721	2010	1470	215	83	86
3	59	41	175	157	525	2500	786	1620	1420	176	80	87
4	73	39	135	137	518	1690	762	2260	1360	264	76	79
5	69	43	78	117	523	1250	742	2320	1300	316	92	78
6	59	41	52	110	400	1340	476	2330	1270	197	135	72
7	58	38	48	109	294	1400	299	1580	1240	194	109	70
8	58	38	46	102	443	1380	281	2180	1210	189	153	70
9	60	359	41	102	441	1340	266	3020	1180	177	96	68
10	59	104	38	363	334	1290	1010	1910	1160	166	90	65
11	58	53	37	446	318	1270	660	1670	1150	158	1510	64
12	58	40	35	215	306	1250	393	1900	1150	152	507	61
13	59	34	34	154	304	1170	494	2590	1120	148	193	61
14	57	31	34	199	234	850	1150	2000	879	144	231	61
15	58	28	34	351	191	773	3990	1650	570	140	225	58
16	60	26	32	415	182	747	2740	1590	438	133	203	56
17	59	24	33	402	204	814	1490	1540	459	101	116	57
18	58	24	43	394	208	856	1390	1550	578	93	99	56
19	58	24	53	472	1190	788	1430	1560	545	99	93	175
20	57	24	42	268	6170	660	1580	1600	329	121	88	87
21	57	24	42	206	4320	598	1300	1540	223	123	84	68
22	62	24	98	185	2900	586	1280	1470	198	132	81	63
23	60	33	150	175	2360	577	1650	1430	173	136	79	61
24	59	27	171	492	1550	561	1460	1530	157	228	76	94
25	57	26	391	516	1390	543	1300	1600	265	184	90	463
26	56	25	566	345	1280	345	1290	2360	278	314	157	189
27	56	24	584	327	1230	244	1420	2670	243	246	108	108
28	55	205	586	324	1260	288	2110	1670	304	143	103	84
29	56	99	304	309	---	1850	5630	2230	290	117	107	75
30	56	52	181	609	---	1710	8340	1890	267	144	202	70
31	62	---	247	486	---	797	---	1670	---	99	142	---
TOTAL	1851	1651	4392	8814	30132	33317	46986	61280	22826	5303	5497	2786
MEAN	59.7	55.0	142	284	1076	1075	1566	1977	761	171	177	92.9
MAX	76	359	586	609	6170	2500	8340	4340	1600	316	1510	463
MIN	55	24	32	102	182	244	266	1430	157	93	76	56
CFSM	.18	.16	.42	.83	3.15	3.14	4.58	5.78	2.23	.50	.52	.27
IN.	.20	.18	.48	.96	3.28	3.62	5.11	6.67	2.48	.58	.60	.30
CAL YR 1990	TOTAL	259812	MEAN 712	MAX 18700	MIN 24	CFSM 2.08	IN 28.26					
WTR YR 1991	TOTAL	224835	MEAN 616	MAX 8340	MIN 24	CFSM 1.80	IN 24.46					

02476600 OKATIBBEE CREEK AT ARUNDEL, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.45	3.16	3.23	4.94	6.77	11.91	6.98	17.02	11.78	5.33	3.73	4.04
2	3.25	3.00	3.25	4.43	6.96	13.75	7.94	13.27	11.29	5.05	3.65	3.87
3	3.21	2.92	4.58	4.61	6.85	14.49	8.30	11.99	11.06	4.72	3.62	3.87
4	3.39	2.89	4.45	4.43	6.82	12.19	8.17	14.02	10.87	5.25	3.55	3.77
5	3.36	2.96	3.78	4.21	6.84	10.42	8.07	14.14	10.64	5.67	3.73	3.74
6	3.20	2.93	3.42	4.13	6.18	10.79	6.64	14.17	10.49	4.91	4.24	3.66
7	3.19	2.88	3.36	4.12	5.58	11.01	5.71	11.72	10.38	4.89	3.94	3.64
8	3.20	2.87	3.31	4.04	6.42	10.92	5.61	13.39	10.27	4.82	4.43	3.64
9	3.22	5.55	3.24	4.03	6.42	10.77	5.51	15.49	10.17	4.71	3.81	3.62
10	3.21	4.09	3.19	5.71	5.83	10.60	9.35	13.40	10.09	4.60	3.71	3.58
11	3.19	3.43	3.16	6.46	5.74	10.50	7.60	12.55	10.03	4.53	11.55	3.57
12	3.20	3.21	3.13	5.10	5.66	10.45	6.22	13.38	10.02	4.46	6.80	3.52
13	3.21	3.11	3.12	4.58	5.66	10.08	6.71	14.68	9.91	4.42	4.99	3.52
14	3.18	3.05	3.11	4.97	5.20	8.64	9.86	13.51	8.77	4.38	5.28	3.52
15	3.19	3.00	3.11	5.95	4.89	8.23	16.76	12.10	7.11	4.33	5.24	3.48
16	3.23	2.96	3.09	6.30	4.81	8.09	14.92	11.72	6.41	4.25	5.08	3.46
17	3.21	2.93	3.09	6.23	5.00	8.45	11.38	11.53	6.52	3.89	4.25	3.47
18	3.19	2.91	3.24	6.19	5.05	8.67	10.98	11.57	7.14	3.79	4.05	3.46
19	3.20	2.92	3.43	6.58	8.68	8.31	11.13	11.63	6.97	3.86	3.97	4.77
20	3.19	2.92	3.25	5.45	18.32	7.61	11.71	11.78	5.79	4.11	3.91	3.88
21	3.18	2.92	3.25	5.04	17.06	7.26	10.64	11.53	5.13	4.13	3.86	3.64
22	3.25	2.92	4.03	4.85	15.30	7.19	10.54	11.26	4.95	4.23	3.82	3.56
23	3.22	3.09	4.59	4.76	14.23	7.13	12.14	11.13	4.72	4.26	3.80	3.55
24	3.22	2.99	4.82	6.65	11.63	7.03	11.25	11.55	4.55	5.08	3.76	3.89
25	3.19	2.95	6.14	6.82	10.97	6.95	10.61	11.77	5.41	4.73	3.93	6.56
26	3.17	2.93	7.07	5.90	10.53	5.96	10.60	13.97	5.49	5.68	4.68	4.93
27	3.17	2.92	7.17	5.79	10.36	5.40	11.13	14.83	5.27	5.22	4.15	4.15
28	3.16	4.66	7.19	5.78	10.45	5.63	13.34	12.15	5.65	4.35	4.10	3.87
29	3.17	4.04	5.65	5.69	---	12.17	17.61	13.92	5.56	4.05	4.14	3.74
30	3.17	3.42	4.86	7.33	---	12.22	19.22	13.37	5.41	4.34	4.98	3.68
31	3.25	---	5.34	6.66	---	8.34	---	12.54	---	3.85	4.51	---
MEAN	3.22	3.22	4.12	5.41	8.36	9.39	10.22	12.94	7.93	4.58	4.49	3.86
MAX	3.45	5.55	7.19	7.33	18.32	14.49	19.22	17.02	11.78	5.68	11.55	6.56
MIN	3.16	2.87	3.09	4.03	4.81	5.40	5.51	11.13	4.55	3.79	3.55	3.46

WTR YR 1991 MEAN 6.46 MAX 19.22 MIN 2.87

PASCAGOULA RIVER BASIN

02477000 CHICKASAWHAY RIVER AT ENTERPRISE, MS

LOCATION.--Lat 32°10'32", long 88°49'10", in SE 1/4 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 downstream from confluence of Chunky River and Okatibbee Creek, and at mile 158.2.

DRAINAGE AREA.--918 mi².

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. WDR MS-80-1: Drainage area.

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

REMARKS.--Estimated daily discharges: Oct. 2-15 and Sept. 28-29. Records good except for estimated discharges, which are poor. Flow from 154 mi² above the station, 38.4 mi upstream, regulated by Okatibbee Lake since November 1968. Satellite telemeter and National Weather Service telemeter at station.

AVERAGE DISCHARGE.--53 years, 1,271 ft³/s, 18.80 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 61,700 ft³/s, Feb. 23, 1961, gage height, 42.94 ft, present datum, minimum, 18 ft³/s, Sept. 25-30, 1954, Oct. 22-25, 1963, minimum gage height, 3.95 ft present datum, Oct. 13-20, 23, and 24, 1952, Aug. 30, 1957.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 22	1430	15,500	28.98	May 1	1930	*25,100	*34.31
Apr. 17	0500	15,700	29.08				

Minimum discharge, 80 ft³/s, Oct. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	121	93	262	577	1780	2700	4230	23600	3140	601	278	562
2	115	86	198	493	1320	4920	2020	19700	2480	591	248	355
3	105	74	318	437	1130	6170	1620	8880	2260	438	230	263
4	94	72	1040	572	1040	5780	1450	6470	2380	600	214	233
5	118	76	848	548	1030	4340	1340	6510	1980	1050	221	233
6	105	83	406	427	1350	3160	1130	6680	1790	724	341	198
7	95	75	271	373	1390	2540	783	5250	1680	740	249	178
8	90	74	244	405	1090	2290	731	4410	1600	808	332	168
9	88	388	230	432	1040	2110	727	5370	1530	1320	247	163
10	87	547	205	632	829	1970	1890	5750	1470	958	232	155
11	86	354	181	1490	752	1880	1900	4820	1440	540	2390	151
12	85	217	168	1320	702	1830	1150	5200	1440	441	1710	143
13	84	150	159	827	672	1900	1590	6040	1550	387	761	140
14	83	124	160	640	631	1600	3860	5160	1500	353	480	139
15	82	106	160	702	524	1370	8260	3550	1040	329	456	136
16	80	97	154	801	472	1280	12600	2720	737	311	421	131
17	82	92	153	820	482	1430	14200	2410	708	275	309	128
18	85	88	168	774	565	1810	6890	2300	847	236	249	128
19	84	86	212	984	2430	1750	3920	2560	904	225	226	470
20	85	88	225	1120	10400	1430	3930	2740	766	253	210	691
21	83	90	205	903	13700	1200	3020	2660	587	274	197	366
22	91	91	264	665	15100	1130	2380	2330	478	280	188	231
23	97	113	827	542	13200	1080	3310	2150	717	342	182	191
24	91	118	1760	1010	8670	1020	3230	2240	656	416	178	225
25	90	112	1360	1920	5340	958	2520	2630	1270	386	214	1290
26	88	111	1150	1550	3430	828	2080	4550	1740	639	366	1350
27	88	107	993	1070	2470	630	2590	6150	1390	1030	292	634
28	89	270	937	934	2110	606	4870	6370	939	708	272	440
29	86	667	773	913	---	3520	9110	6590	787	446	267	300
30	87	489	492	1570	---	6050	16200	5120	691	417	320	210
31	89	---	603	2320	---	5700	---	4050	---	330	318	---
TOTAL	2833	5138	15126	27771	93649	74982	123531	174960	40497	16448	12598	10002
MEAN	91.4	171	488	896	3345	2419	4118	5644	1350	531	406	333
MAX	121	667	1760	2320	15100	6170	16200	23600	3140	1320	2390	1350
MIN	80	72	153	373	472	606	727	2150	478	225	178	128
CFSM	.10	.19	.53	.98	3.64	2.64	4.49	6.15	1.47	.58	.44	.36
IN.	.11	.21	.61	1.13	3.79	3.04	5.01	7.09	1.64	.67	.51	.41
CAL YR 1990	TOTAL	705282	MEAN	1932	MAX	45100	MIN	72	CFSM	2.11	IN	28.58
WTR YR 1991	TOTAL	597535	MEAN	1637	MAX	23600	MIN	72	CFSM	1.78	IN	24.21

02477000 CHICKASAWHAY RIVER AT ENTERPRISE, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.88	4.76	5.84	6.89	10.49	12.28	17.56	33.57	14.59	6.94	5.55	6.77
2	---	4.70	5.55	6.65	9.06	17.04	11.38	31.44	12.53	6.91	5.39	6.08
3	---	4.57	6.03	6.48	8.50	19.54	9.76	24.35	11.86	6.41	5.29	5.68
4	---	4.55	8.24	6.88	8.26	19.95	9.25	20.73	12.15	6.93	5.20	5.52
5	---	4.60	7.69	6.81	8.22	17.44	8.90	21.00	11.08	8.28	5.24	5.52
6	---	4.67	6.37	6.46	9.18	14.74	8.31	21.19	10.52	7.33	5.87	5.32
7	---	4.59	5.89	6.28	9.29	12.49	7.33	19.64	10.21	7.38	5.40	5.20
8	---	4.57	5.77	6.38	8.39	11.75	7.19	17.14	9.95	7.58	5.82	5.14
9	---	6.10	5.70	6.47	8.25	11.26	7.20	18.18	9.73	9.06	5.39	5.10
10	---	6.81	5.58	7.06	7.65	10.86	10.63	19.49	9.55	8.01	5.31	5.04
11	---	6.20	5.45	9.63	7.42	10.59	10.71	18.30	9.47	6.72	12.03	5.01
12	---	5.63	5.36	9.08	7.26	10.43	8.49	17.98	9.46	6.33	10.26	4.95
13	---	5.23	5.30	7.64	7.17	10.62	9.83	19.85	9.80	6.10	7.43	4.93
14	---	5.04	5.31	7.07	7.04	9.70	14.18	19.04	9.65	5.94	6.56	4.93
15	---	4.88	5.31	7.26	6.71	8.99	21.69	16.06	8.27	5.82	6.48	4.90
16	4.64	4.81	5.27	7.56	6.53	8.67	26.86	13.31	7.37	5.73	6.35	4.87
17	4.65	4.75	5.26	7.62	6.57	9.16	28.05	12.26	7.28	5.53	5.89	4.84
18	4.69	4.72	5.36	7.48	6.84	10.29	22.75	11.93	7.70	5.33	5.61	4.84
19	4.68	4.70	5.61	8.09	9.78	10.10	16.95	12.61	7.87	5.27	5.48	6.41
20	4.69	4.72	5.68	8.49	24.52	9.12	15.86	13.03	7.46	5.41	5.39	7.23
21	4.67	4.73	5.58	7.86	27.75	8.39	14.33	12.96	6.90	5.53	5.32	6.12
22	4.75	4.75	5.85	7.15	28.74	8.17	12.22	12.04	6.55	5.56	5.26	5.51
23	4.80	4.94	7.63	6.80	27.39	8.02	13.99	11.55	7.31	5.85	5.23	5.28
24	4.75	4.99	10.45	8.18	24.06	7.84	14.58	11.78	7.12	6.22	5.20	5.45
25	4.74	4.94	9.21	10.91	20.21	7.66	12.70	12.73	8.95	6.09	5.40	8.99
26	4.72	4.93	8.58	9.79	15.88	7.26	11.35	15.69	10.38	6.99	6.13	9.17
27	4.72	4.89	8.12	8.35	12.55	6.65	12.18	19.86	9.30	8.24	5.82	4.89
28	4.72	5.71	7.96	7.95	11.37	6.59	16.61	20.38	7.97	7.27	5.72	---
29	4.70	7.16	7.47	7.89	---	12.88	22.73	21.23	7.52	6.35	5.70	---
30	4.71	6.63	6.65	9.83	---	19.18	29.40	19.24	7.23	6.23	5.91	4.95
31	4.73	---	6.97	12.01	---	19.44	---	16.79	---	5.82	5.92	---
MEAN	---	5.14	6.49	7.84	12.32	11.52	14.43	17.91	9.19	6.55	6.05	---
MAX	---	7.16	10.45	12.01	28.74	19.95	29.40	33.57	14.59	9.06	12.03	---
MIN	---	4.55	5.26	6.28	6.53	6.59	7.19	11.55	6.55	5.27	5.20	---

02477350 CHICKASAWHAY RIVER AT SHUBUTA, MS

LOCATION.--Lat 31°51'25", long 88°41'11", in NW4 sec.10, T.10 N., R.7 W., St. Stephens Meridian, Clarke County, Hydrologic Unit 03170002, at bridge on county road, 0.5 mi southeast of Shubuta and at mile 114.0.

DRAINAGE AREA.--1,458 mi².

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.

REVISED RECORDS.--WDR MS-79-1: (M).

GAGE.--Nonrecording gage. Datum of gage is 147.58 ft above National Geodetic Vertical Datum of 1929. Nov. 1, 1904 to Apr. 18, 1923 at datum about 0.58 ft lower, Apr. 19, 1923 to Mar. 12, 1940 at datum 3.62 ft higher, Mar. 13, 1940 to Oct. 23, 1980 at site 3,500 ft downstream, at datum 0.28 ft lower.

REMARKS.--Records furnished by National Weather Service.

EXTREMES FOR PERIOD OF RECORD.--1905 to 1961: Maximum discharge, 86,000 ft³/s, Dec. 11, 1919, gage height, 44.3 ft, former site and datum, 47.2 ft at present site and datum.
1904 to current year: Maximum gage height, 47.2 ft, Dec. 11, 1919, minimum since January 1972, 1.84 ft, Oct. 1, 1986.

EXTREMES FOR CURRENT YEAR.--Maximum gage height observed, 33.50 ft, May 5, minimum observed, 1.85 ft, Nov. 6.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
INSTANTANEOUS OBSERVATIONS AT 0600

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.10	1.90	4.70	4.53	14.41	10.99	17.25	27.30	19.94	6.00	4.00	4.00
2	2.06	1.95	4.21	4.55	11.10	19.80	17.49	27.75	16.50	5.60	3.80	4.30
3	2.05	1.95	4.32	4.79	8.50	20.80	13.57	30.50	12.20	5.50	3.50	4.70
4	2.03	1.94	4.42	4.81	7.49	21.19	8.87	33.40	14.80	5.00	3.36	3.70
5	1.93	1.94	5.69	4.91	6.99	20.50	8.07	33.50	12.90	5.20	3.20	3.30
6	2.03	1.85	5.93	4.97	7.13	20.00	7.60	31.80	11.28	6.82	4.05	3.20
7	2.03	3.81	4.48	4.90	8.63	18.00	6.74	28.67	10.00	6.99	3.90	3.00
8	2.06	3.00	3.79	4.50	8.70	13.40	6.14	24.64	9.14	7.70	3.60	2.92
9	2.04	2.72	3.41	4.22	7.25	11.10	6.00	21.60	8.45	6.90	3.60	2.80
10	2.06	3.77	3.16	4.05	6.90	10.31	6.10	19.40	8.30	7.70	3.40	2.71
11	2.00	5.26	3.84	8.23	6.10	10.80	9.90	19.24	8.11	6.80	3.29	2.60
12	1.98	4.14	3.93	9.32	5.49	9.42	11.10	19.23	8.00	5.53	9.80	2.52
13	1.94	3.40	3.69	8.28	5.40	9.30	8.40	19.51	8.40	4.74	9.70	2.41
14	1.91	2.84	3.50	6.42	5.33	9.49	8.60	20.20	8.50	4.38	6.80	2.41
15	1.92	2.49	3.34	5.28	5.31	8.68	13.30	19.20	8.40	4.33	4.70	2.39
16	1.91	2.38	2.96	5.30	4.79	8.00	17.30	18.82	8.30	4.40	4.40	2.39
17	1.91	2.25	2.81	5.31	4.64	7.75	18.60	14.40	7.20	4.10	4.20	2.31
18	1.93	2.16	2.69	5.49	4.69	8.70	20.90	12.50	11.10	3.80	4.04	2.28
19	1.94	2.06	2.89	6.13	4.98	9.78	23.00	11.30	9.10	3.50	3.45	2.34
20	1.93	2.03	3.09	7.64	10.79	9.50	22.90	11.28	8.70	3.34	3.20	2.50
21	1.91	2.02	3.30	7.32	21.73	8.25	18.40	11.90	13.70	3.24	3.00	4.50
22	1.92	2.00	3.29	6.62	23.88	7.37	14.60	11.80	9.20	3.30	2.87	4.00
23	2.01	2.11	3.48	5.60	27.35	7.05	13.44	10.80	7.53	3.60	2.80	3.20
24	2.06	2.17	4.63	6.73	28.44	6.83	15.91	10.30	7.50	5.70	2.80	2.90
25	2.12	2.30	8.39	10.93	28.78	6.58	15.00	11.00	7.90	7.30	2.78	3.50
26	2.11	2.32	7.18	11.09	27.93	6.33	13.40	12.50	9.70	6.20	2.90	7.00
27	2.02	2.21	6.50	9.68	---	6.04	11.30	18.70	10.40	6.89	3.70	7.50
28	1.98	2.23	5.89	7.60	17.60	5.41	14.40	19.40	9.50	7.20	3.90	6.80
29	1.94	3.91	5.78	6.81	---	5.22	15.70	20.80	8.20	6.05	4.00	4.50
30	1.92	5.22	5.40	7.59	---	15.03	23.80	22.13	7.45	5.20	3.80	3.60
31	1.92	---	4.39	15.83	---	16.50	---	22.10	---	4.40	3.60	---
MEAN	1.99	2.68	4.36	6.76	---	11.23	13.59	19.86	10.01	5.40	4.07	3.54
MAX	2.12	5.26	8.39	15.83	---	21.19	23.80	33.50	19.94	7.70	9.80	7.50
MIN	1.91	1.85	2.69	4.05	---	5.22	6.00	10.30	7.20	3.24	2.78	2.28

CAL YR 1990 MEAN 8.23 MAX 42.67 MIN 1.85

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 downstream from bridge on U.S. Highway 84, 2.3 mi west of Waynesboro, and at mile 93.2.

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 telemeter. Datum of gage is 119.91 ft above National Geodetic Vertical Datum of 1929 (Mississippi State Highway Department 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.

AVERAGE DISCHARGE.--12 years (water years 1939-50), 2,575 ft³/s, 21.06 in/yr.

EXTREMES FOR PERIOD OF RECORD.--1938-1950: Maximum discharge, 26,000 ft³/s, Jan. 24, 1947, gage height, 39.00 ft; minimum, 149 ft³/s, Aug. 28, 1943, gage height, 2.48 ft.

1947 to current year: Maximum gage height, 47.90 ft, Feb. 26, 1961 (discharge, 58,300 ft³/s), minimum since January 1972, 0.80 ft, Oct. 15, 16, 17, 1976.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1900 reached a stage of 51.5 ft at site 1.3 mi upstream, at datum 2.95 ft higher and about 50 ft at present site and datum (discharge about 73,000 ft³/s).

EXTREMES FOR CURRENT YEAR.--Maximum gage height observed, 33.30 ft, May 6, minimum observed, 2.20 ft, Oct. 14-17.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.40	2.30	5.80	4.10	16.80	14.40	17.30	25.90	21.90	7.30	5.10	4.30
2	2.40	2.30	5.30	5.20	13.50	21.30	17.80	27.10	19.30	6.60	4.60	4.70
3	2.30	2.30	4.60	5.20	10.50	23.30	17.30	28.00	14.90	6.30	4.30	5.50
4	2.40	2.40	5.00	6.40	8.80	22.20	10.80	30.40	14.00	6.40	4.10	5.00
5	2.40	2.30	5.40	6.20	8.10	21.80	9.20	32.90	14.80	5.90	4.00	4.20
6	2.40	2.30	6.40	5.80	8.00	20.90	8.60	33.30	12.70	6.30	4.00	3.90
7	2.40	2.30	6.30	6.10	8.80	19.90	8.40	31.40	11.60	7.50	4.60	3.80
8	2.50	2.30	5.30	6.50	9.80	16.70	7.50	28.30	10.30	8.40	4.70	3.80
9	2.40	2.40	4.60	5.70	8.70	12.70	7.00	24.90	9.70	8.60	4.40	3.60
10	2.50	3.80	4.20	5.30	7.90	11.60	7.10	22.70	9.40	8.00	4.40	3.40
11	2.40	5.20	3.90	8.60	7.30	10.90	7.70	22.30	8.10	8.20	4.10	3.30
12	2.30	5.50	4.20	10.50	6.70	10.50	12.20	21.40	8.90	7.60	4.20	3.20
13	2.30	4.60	4.30	9.90	6.40	10.20	10.30	20.70	9.00	6.90	10.90	3.10
14	2.20	4.00	4.20	8.20	6.20	10.20	8.60	20.70	9.20	5.20	8.60	3.00
15	2.20	3.50	4.10	6.70	6.20	10.90	10.90	20.70	9.40	4.90	6.00	2.90
16	2.20	3.20	3.90	6.10	5.90	9.10	17.00	20.20	8.80	5.20	5.30	2.90
17	2.20	3.00	3.70	6.30	5.50	8.80	18.20	18.80	7.50	4.90	4.80	2.80
18	2.30	2.80	3.60	6.30	5.60	9.80	19.50	13.60	12.80	4.60	4.60	2.80
19	2.40	2.70	3.50	6.50	5.70	10.50	21.50	12.80	10.50	4.40	4.10	2.80
20	2.30	2.70	3.50	8.70	7.50	10.70	23.30	12.60	10.10	4.10	3.80	2.90
21	2.30	2.70	3.60	8.50	20.20	9.70	22.60	12.80	8.90	3.90	3.70	3.90
22	2.30	2.60	3.70	7.80	23.50	8.70	17.80	12.70	12.80	3.90	3.50	5.00
23	2.30	2.60	3.80	6.90	26.40	8.20	15.00	12.00	9.00	4.00	3.40	4.20
24	2.40	2.60	5.70	6.60	27.70	7.90	16.90	11.50	8.40	4.80	3.30	3.60
25	2.50	2.60	6.80	12.70	28.10	7.70	16.80	11.60	8.40	6.90	3.20	4.10
26	2.50	2.70	8.60	12.40	28.10	7.40	13.50	14.00	9.00	7.70	3.70	5.80
27	2.40	2.70	7.60	11.40	27.10	7.20	13.60	19.40	11.20	7.70	3.60	8.40
28	2.40	2.80	7.20	9.50	23.50	6.80	14.00	21.40	11.00	7.70	5.30	8.00
29	2.30	3.90	6.40	8.30	---	6.40	15.80	20.40	9.20	7.60	5.00	6.60
30	2.30	5.40	6.30	8.70	---	13.10	21.10	22.50	8.60	6.70	4.60	4.80
31	2.30	---	5.80	16.90	---	16.80	---	22.80	---	6.00	4.30	---
MEAN	2.35	3.08	5.07	7.87	13.16	12.46	14.24	20.96	10.98	6.26	4.65	4.21
MAX	2.50	5.50	8.60	16.90	28.10	23.30	23.30	33.30	21.90	8.60	10.90	8.40
MIN</												

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, 3.5 mi north of Denham, and 8.0 mi east of Waynesboro.

DRAINAGE AREA.--492 mi².

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

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

REMARKS.--Estimated daily discharges: Oct. 1 - Nov. 8. Records good except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--19 years, 812 ft³/s, 22.41 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,200 ft³/s, Mar. 6, 1979, gage height, 34.90 ft, minimum, 7.8 ft³/s, Sept. 21-22, 1972.

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

Date	Time	Discharge (ft³/s)	Gage Height (ft)	Date	Time	Discharge (ft³/s)	Gage Height (ft)
Feb. 23	0400	5,160	20.43	May 11	1030	5,380	20.93
Mar. 2	1115	5,330	20.81	May 27	2100	5,030	20.11
May 6	0600	*5,930	*22.18				

Minimum observed discharge, 15 ft³/s, Nov. 7, gage height, 4.18 ft, but may have been less during period of no gage height Oct. 1 to Nov. 8

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	21	264	160	2650	2500	1490	3180	3250	426	187	163
2	25	21	218	159	2230	5220	1140	2950	2940	348	157	176
3	24	20	448	484	1690	4600	680	3270	1580	314	135	170
4	24	19	431	694	904	4190	521	4400	1210	348	136	124
5	26	18	275	441	661	3810	437	5260	1430	303	129	101
6	50	17	310	350	675	3630	383	5780	1550	259	124	109
7	47	16	237	1000	632	3550	350	4840	1730	322	110	97
8	36	15	174	635	568	3340	438	3970	1860	522	100	133
9	31	117	137	392	473	2650	408	3520	1420	679	100	100
10	30	113	121	601	394	1180	561	4070	681	614	109	80
11	28	78	112	2130	339	838	602	5220	551	413	166	85
12	27	130	105	1380	300	720	676	4500	615	301	133	76
13	27	138	100	960	278	660	573	3910	629	266	192	68
14	26	100	95	626	272	613	464	3250	483	251	300	62
15	26	77	88	424	266	617	830	2800	461	203	209	56
16	25	65	84	335	254	626	1010	2570	408	180	158	52
17	28	58	81	274	251	665	1250	2400	625	169	128	48
18	40	53	81	235	266	891	1120	2010	3170	149	111	55
19	60	48	86	566	319	848	766	1410	2700	134	100	70
20	56	45	87	836	3160	767	812	1540	2740	123	92	53
21	45	42	95	614	4330	612	695	1360	2270	114	81	47
22	35	41	174	479	4470	520	676	1260	2220	106	72	43
23	31	43	670	332	4900	473	2330	1090	2660	122	66	44
24	29	45	858	1410	4180	442	1960	932	1970	110	62	55
25	27	43	539	2440	4190	411	1440	871	1080	419	78	196
26	26	44	398	1550	4220	373	1230	2300	1030	475	97	146
27	25	53	277	1150	3690	338	1230	4250	874	600	82	303
28	24	82	214	926	2480	319	1690	4570	691	630	112	297
29	23	165	184	750	---	644	1760	3820	598	454	168	191
30	23	158	166	2150	---	1530	3220	3350	527	318	186	139
31	22	---	160	3110	---	1600	---	3140	---	232	168	---
TOTAL	972	1885	7269	27593	49042	49177	30742	97793	43953	9904	4048	3339
MEAN	31.4	62.8	234	890	1752	1586	1025	3155	1465	319	131	111
MAX	60	165	858	3110	4900	5220	3220	5780	3250	679	300	303
MIN	22	15	81	159	251	319	350	871	408	106	62	43
CFSM	.06	.13	.48	1.81	3.56	3.22	2.08	6.41	2.98	.65	.27	.23
IN.	.07	.14	.55	2.09	3.71	3.72	2.32	7.39	3.32	.75	.31	.25

CAL YR 1990 TOTAL 359873 MEAN 986 MAX 9890 MIN 15 CFSM 2.00 IN 27.21
WTR YR 1991 TOTAL 325717 MEAN 892 MAX 5780 MIN 15 CFSM 1.81 IN 24.63

02478500 CHICKSAWHAY RIVER AT LEAKESVILLE, MS

LOCATION.--Lat 31°08'54", long 88°33'52", in SW4 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 southeast of Leakesville, 1.8 mi upstream from Faulk Ditch, and 29.1 mi upstream from confluence with Leaf River.

DRAINAGE AREA.--2,690 mi².

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 above National Geodetic Vertical Datum of 1929 (levels by U. S. Army Corps of Engineers). Prior to Oct. 19, 1939, nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharges. Records good. National Weather Service telemeter at station.

AVERAGE DISCHARGE.--53 years, 3,939 ft³/s, 19.88 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 73,600 ft³/s, Feb. 28, 1961, gage height, 33.52 ft, minimum, 160 ft³/s, Oct. 30, 31, 1963, gage height, 6.74 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood in April 1900 reached a stage of 38 ft, and a flood in July 1916 reached a stage of 34.12 ft, discharge, 68,000 ft³/s, from information by U. S. Army Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 15,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Mar. 3	1400	23,300	26.45	May 29	1400	19,500	24.86
May 8	0900	*30,800	*28.32				

Minimum discharge, 376 ft³/s, Nov. 4-5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	398	383	1230	1370	12200	21100	8900	14500	18100	3030	1350	1250
2	396	382	1350	1200	11600	22600	9540	16600	17500	2530	1160	1330
3	395	379	1370	1370	8900	23200	9690	18000	16000	2310	1010	1380
4	393	379	1730	2120	6390	22600	8430	18900	12300	2490	920	1420
5	399	382	2200	2780	4790	21100	5220	20600	9200	3030	883	1350
6	399	386	1760	2220	4640	19500	3880	25300	8580	2670	940	1110
7	407	383	1810	3680	4570	18000	3440	29600	7190	2510	944	990
8	407	384	1630	4770	4280	16400	3260	30700	6320	3450	984	960
9	407	685	1280	3320	4220	14000	3970	29800	5660	3950	1020	1040
10	402	1240	1080	2490	3660	10100	3370	28500	5110	3370	1050	1020
11	395	1380	963	4900	3190	7000	3690	29300	4330	3000	1280	871
12	393	1320	903	7860	2830	5400	4030	25700	3860	2740	1120	783
13	391	1260	935	6690	2540	4910	5060	22800	3780	2180	1440	741
14	387	1060	945	4820	2630	4640	4320	20600	4360	1790	3110	709
15	383	903	903	3570	2610	4340	4080	18900	4090	1520	2740	685
16	381	775	869	2800	2330	4060	6120	17300	3850	1340	1960	663
17	382	684	812	2380	2130	3970	8360	15700	3350	1290	1490	641
18	387	618	777	2200	2150	4560	9720	14000	3590	1220	1300	632
19	414	572	764	2430	2190	4760	10700	13200	6790	1130	1190	717
20	439	541	766	3470	2470	4730	11800	11600	7160	1050	1080	704
21	423	519	780	4020	8330	4520	12700	9920	7160	965	969	703
22	424	503	813	3510	13800	3890	12600	8650	6590	900	899	711
23	418	504	903	2970	17500	3370	10200	7880	6600	871	845	953
24	407	511	1490	3080	19400	3040	9680	7460	5830	1030	806	937
25	405	520	2140	6510	20400	2790	11100	7350	5010	1470	799	1020
26	408	535	2380	8560	20900	2580	11000	11500	4170	2060	893	1400
27	413	550	2530	7390	21000	2400	9500	17300	4270	2540	1010	1720
28	406	567	2120	5790	21000	2250	7750	18900	4630	2380	1020	2230
29	394	604	1800	4890	---	2450	8490	19400	4280	2390	1290	2240
30	387	892	1610	5320	---	4260	11200	19000	3560	2150	1410	1720
31	385	---	1520	9770	---	6750	---	18500	---	1680	1350	---
TOTAL	12425	19801	42163	128250	232650	275270	231800	567460	203220	65036	38262	32630
MEAN	401	660	1360	4137	8309	8880	7727	18310	6774	2098	1234	1088
MAX	439	1380	2530	9770	21000	23200	12700	30700	18100	3950	3110	2240
MIN	381	379	764	1200	2130	2250	3260	7350	3350	871	799	632
CFSM	.15	.25	.51	1.54	3.09	3.30	2.87	6.81	2.52	.78	.46	.40
IN.	.17	.27	.58	1.77	3.22	3.81	3.21	7.85	2.81	.90	.53	.45
CAL YR 1990	TOTAL	2128074	MEAN	5830	MAX	48400	MIN	379	CFSM	2.17	IN	29.43
WTR YR 1991	TOTAL	1848967	MEAN	5066	MAX	30700	MIN	379	CFSM	1.88	IN	25.57

PASCAGOULA RIVER BASIN

02479000 PASCAGOULA RIVER AT MERRILL, MS

LOCATION.--Lat 30°58'40", long 88°43'35", in SW4 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 downstream from confluence of Leaf and Chickasawhay Rivers, 0.5 mi west of Merrill, and at mile 80.8.

DRAINAGE AREA.--6,590 mi².

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 above National Geodetic Vertical Datum of 1929. Prior to Dec. 6, 1934, nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharges. Records good. Records of chemical analysis for the current year at site 13.8 mi downstream (station 02479020). Satellite telemeter and National Weather Service telemeter at station.

AVERAGE DISCHARGE.--61 years, 10,114 ft³/s, 20.84 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 178,000 ft³/s, Feb. 27, 1961, gage height, 30.66 ft, minimum, 696 ft³/s, Nov. 3, 1936, minimum gage height, 1.92 ft, Oct. 21-26, 1963.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 81,100 ft³/s, May 7, gage height, 24.72 ft, minimum, 1,190 ft³/s, Nov. 4-5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1280	1210	3100	3010	27800	58500	15400	35200	47400	9300	5190	3820
2	1270	1210	3200	2830	29600	63400	17200	42400	43900	8120	4610	4340
3	1260	1210	3410	2990	27200	67600	17500	51200	39100	8210	4280	4700
4	1260	1200	5120	4940	21200	65600	15600	61900	34900	9480	4070	4970
5	1310	1210	5750	6450	15500	61700	12100	69800	31400	10900	4030	4590
6	1330	1220	4760	5950	14300	58500	8630	77900	25000	14100	4720	3930
7	1390	1240	4070	8920	15600	53900	7370	80700	20500	13600	4670	3750
8	1420	1230	3770	12100	15900	47600	7000	80100	17200	14600	4210	3950
9	1390	1670	3280	9390	14300	40300	7720	76900	14100	13900	4020	3580
10	1350	3060	2890	7830	12700	31400	8250	73300	12200	11400	3910	3370
11	1300	3230	2610	12500	10600	21000	9070	74700	12300	9660	3990	3130
12	1270	3130	2430	18900	9030	13400	11200	71700	12100	8430	4690	2770
13	1260	2960	2320	17500	8090	10600	11300	66000	11400	7230	4550	2560
14	1260	2640	2320	13100	7730	9770	12800	60400	15100	6310	5050	2520
15	1250	2360	2280	10200	7930	9010	17000	53700	16400	5730	5510	2370
16	1250	2160	2220	8830	7470	8440	20900	46800	13200	5280	4890	2260
17	1260	1990	2170	7820	6870	8540	24700	39600	10700	4960	4150	2160
18	1280	1840	2120	6960	6620	10200	27700	33500	9750	4790	3710	2120
19	1290	1740	2120	7240	6760	10900	29400	33300	16200	4620	3480	2390
20	1290	1660	2150	9220	7100	10600	29900	32100	21000	4410	3300	2970
21	1300	1610	2220	10200	15100	9800	28300	28900	18800	4350	3110	2580
22	1320	1570	2300	9600	27200	8910	24600	24900	15700	4270	2940	2600
23	1320	1570	2420	8810	38600	7890	22200	20100	14500	4310	2800	2650
24	1310	1570	3070	9040	49300	7070	20400	16700	13600	4670	2690	2750
25	1290	1580	3940	15800	59500	6500	22300	16900	12300	5250	2640	3600
26	1270	1600	4190	20500	63600	6020	26700	28400	11900	5790	2690	5430
27	1250	1630	4690	19700	64000	5670	27400	42000	11900	6580	2780	6970
28	1250	1660	4440	16100	61700	5360	25400	51800	12100	6570	3020	7190
29	1230	1840	3840	14600	---	5730	22900	55100	11800	6790	3460	7120
30	1210	2580	3430	16500	---	9270	28300	52800	10800	6850	3830	6000
31	1210	---	3160	23400	---	13300	---	49900	---	6080	3770	---
TOTAL	39930	55380	99790	340930	651300	746480	559240	1548700	557250	236540	120760	113140
MEAN	1288	1846	3219	11000	23260	24080	18640	49960	18580	7630	3895	3771
MAX	1420	3230	5750	23400	64000	67600	29900	80700	47400	14600	5510	7190
MIN	1210	1200	2120	2830	6620	5360	7000	16700	9750	4270	2640	2120
CFSM	.20	.28	.49	1.67	3.53	3.65	2.83	7.58	2.82	1.16	.59	.57
IN.	.23	.31	.56	1.92	3.68	4.21	3.16	8.74	3.15	1.34	.68	.64
CAL YR 1990	TOTAL	5410610	MEAN	14820	MAX	104000	MIN	1200	CFSM	2.25	IN	30.54
WTR YR 1991	TOTAL	5069440	MEAN	13890	MAX	80700	MIN	1200	CFSM	2.11	IN	28.62

02479000 PASCAGOULA RIVER AT MERRILL, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.07	2.90	4.78	4.71	17.38	22.85	12.77	19.33	21.62	9.25	6.52	5.45
2	3.05	2.89	4.88	4.53	17.90	23.29	13.45	20.76	21.05	8.53	6.07	5.91
3	3.03	2.89	5.07	4.68	17.19	23.66	13.53	22.09	20.13	8.59	5.81	6.21
4	3.02	2.87	6.45	6.32	15.10	23.49	12.62	23.16	19.28	9.35	5.63	6.42
5	3.09	2.89	6.93	7.43	12.58	23.14	10.83	23.84	18.39	10.16	5.61	6.16
6	3.10	2.91	6.19	7.08	11.98	22.85	8.84	24.48	16.48	11.88	6.16	5.68
7	3.18	2.93	5.64	8.93	12.61	22.40	8.05	24.69	14.86	11.62	6.12	5.55
8	3.21	2.92	5.38	10.83	12.76	21.64	7.81	24.64	13.38	12.12	5.75	5.69
9	3.17	3.42	4.95	9.02	11.99	20.37	8.27	24.40	11.88	11.79	5.59	5.41
10	3.11	4.81	4.59	7.69	11.17	18.36	8.61	24.13	10.86	10.44	5.50	5.25
11	3.04	4.91	4.32	10.91	9.94	15.25	9.11	24.24	10.92	9.47	5.57	5.06
12	2.99	4.81	4.14	14.14	8.73	12.25	10.35	23.99	10.82	8.72	6.13	4.72
13	2.98	4.65	4.03	13.50	7.92	10.92	10.40	23.52	10.48	7.95	6.03	4.51
14	2.97	4.35	4.02	11.35	7.60	10.25	11.17	23.02	12.34	7.33	6.41	4.48
15	2.96	4.07	3.98	9.69	7.78	9.80	13.30	22.38	13.03	6.92	6.76	4.32
16	2.95	3.86	3.92	8.56	7.41	9.45	15.02	21.52	11.43	6.59	6.29	4.21
17	2.96	3.66	3.87	7.69	7.01	9.51	16.39	20.22	10.05	6.35	5.70	4.11
18	2.98	3.50	3.81	7.06	6.83	10.50	17.34	18.96	9.52	6.22	5.33	4.06
19	3.00	3.38	3.81	7.27	6.93	10.91	17.82	18.93	12.89	6.08	5.13	4.34
20	3.00	3.30	3.84	8.89	7.18	10.70	17.98	18.58	15.07	5.91	4.97	4.91
21	3.01	3.23	3.92	9.66	12.26	10.27	17.53	17.70	14.10	5.86	4.79	4.54
22	3.04	3.19	4.00	9.21	17.14	9.74	16.37	16.47	12.64	5.80	4.64	4.56
23	3.03	3.18	4.13	8.54	20.02	9.10	15.54	14.99	12.06	5.83	4.51	4.61
24	3.03	3.18	4.75	8.73	21.85	8.57	14.82	13.78	11.61	6.12	4.39	4.71
25	3.00	3.20	5.53	12.69	22.94	8.18	15.56	13.84	10.95	6.57	4.35	5.42
26	2.97	3.22	5.74	14.87	23.31	7.85	17.05	17.48	10.74	6.96	4.39	6.73
27	2.95	3.26	6.13	14.51	23.35	7.60	17.27	20.68	10.73	7.52	4.49	7.78
28	2.94	3.29	5.94	12.87	23.14	7.37	16.63	22.17	10.86	7.51	4.71	7.93
29	2.92	3.50	5.44	12.11	---	7.60	15.78	22.52	10.70	7.66	5.11	7.88
30	2.89	4.29	5.09	13.06	---	9.76	17.50	22.29	10.15	7.70	5.43	7.12
31	2.89	---	4.84	15.95	---	11.84	---	21.97	---	7.17	5.38	---
MEAN	3.02	3.52	4.84	9.76	13.64	13.85	13.59	20.99	13.30	8.06	5.46	5.46
MAX	3.21	4.91	6.93	15.95	23.35	23.66	17.98	24.69	21.62	12.12	6.76	7.93
MIN	2.89	2.87	3.81	4.53	6.83	7.37	7.81	13.78	9.52	5.80	4.35	4.06
CAL YR 1990	MEAN 9.36		MAX 26.30	MIN 2.87								
WTR YR 1991	MEAN 9.60		MAX 24.69	MIN 2.87								

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 east of Benndale, and at mile 67.0.

DRAINAGE AREA.--6,680 mi².

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

REVISED RECORD.--WDR MS-80-1: Drainage area.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: December 1975 to September 1981.

WATER TEMPERATURE: August 1958 to September 1960, December 1975 to September 1981.

REMARKS.--Prior to Sept. 3, 1980, daily values of specific conductance listed as 50 microsiemens represent 50 microsiemens or less due to instrument limitations. Stream discharge determined 13.8 mi upstream (station 02479000). In water years 1958-59, 1962-63, and 1966-75, equivalent data were collected 13.8 mi upstream (station 02479000).

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED SATUR- ATION) (00301)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
NOV 14...	1130	2670	129	6.5	16.0	4.0	8.3	84	--	--
DEC 11...	1130	2650	122	7.0	13.5	10	10.0	95	370	K46
MAR 07...	1100	54800	39	6.4	17.5	35	--	--	290	220
APR 09...	1100	7760	82	6.8	22.0	18	7.0	80	K77	K53
JUN 20...	1300	21700	50	6.6	26.5	26	6.7	84	440	380
AUG 27...	1100	2810	133	7.1	28.0	0.80	6.9	88	520	K63

DATE	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)
NOV 14...	4.4	1.2	17	2.0	14	12	18	11	<0.10
DEC 11...	5.4	1.5	16	2.2	19	15	17	17	<0.10
MAR 07...	3.6	0.80	3.5	1.3	9	8	5.1	4.0	<0.10
APR 09...	6.0	1.2	9.8	1.4	18	15	11	9.2	0.10
JUN 20...	4.1	0.82	5.0	1.2	13	11	4.4	4.9	0.20
AUG 27...	6.1	1.4	16	1.7	24	20	16	14	<0.10

DATE	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)
NOV 14...	8.4	84	70	0.010	<0.010	0.300	0.300	0.070	0.070
DEC 11...	10	77	81	0.020	<0.010	0.300	0.300	0.110	0.100
MAR 07...	6.4	--	30	0.020	<0.010	0.097	0.069	0.050	0.030
APR 09...	10	59	58	0.020	0.010	0.170	0.190	0.110	0.080
JUN 20...	7.2	47	36	0.050	<0.010	0.280	0.290	0.100	0.060
AUG 27...	11	98	80	0.030	0.030	0.340	0.340	0.020	0.030

02479020 PASCAGOULA RIVER NEAR BENNDAL, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	
NOV 14...	0.50	--	0.040	0.020	<0.010	0.010	3	22	82	
DEC 11...	0.50	--	0.070	0.040	0.060	0.040	--	--	--	
MAR 07...	0.60	--	0.030	<0.010	<0.010	0.020	12	1780	51	
APR 09...	0.40	--	0.050	<0.010	0.030	<0.010	6	126	65	
JUN 20...	0.90	--	0.130	0.020	0.040	0.010	30	1760	64	
AUG 27...	0.50	0.30	0.050	0.020	<0.010	<0.010	3	23	93	
DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)
DEC 11...	90	2	41	<0.5	2.0	<1	<3	2	480	<1
MAR 07...	110	<1	25	<0.5	1.0	<1	<3	2	160	<1
JUN 20...	30	<1	23	0.5	<1.0	<1	4	<1	93	<1
AUG 27...	40	<1	39	<0.5	3.0	1	<3	2	77	<1
DATE	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
DEC 11...	<4	30	<0.1	<10	2	<1	<1.0	57	<6	12
MAR 07...	<4	38	<0.1	<10	2	<1	<1.0	29	<6	6
JUN 20...	<4	16	<0.1	<10	2	<1	<1.0	33	<6	<3
AUG 27...	<4	65	<0.1	<10	<1	<1	<1.0	60	<6	13

PASCAGOULA RIVER BASIN

02479130 BLACK CREEK NEAR BROOKLYN, MS

LOCATION.--Lat 31°03'06", long 89°12'16", in NW¼NE¼ sec.16, T.1 N., R.12 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170007, near right bank at downstream side of downstream bridge of dual bridges on U. S. Highway 49, 1.1 mi southwest of Brooklyn, and 4.5 mi upstream from Chaney Creek.

DRAINAGE AREA.--355 mi².

PERIOD OF RECORD.--Occasional discharge measurements, water years 1942-45, 1954-57, 1959, 1961, 1964-66. October 1970 to current year.

REVISED RECORDS.--WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 128.14 ft above National Geodetic Vertical Datum of 1929 (Mississippi State Highway Department bench mark).

REMARKS.--Estimated daily discharges: June 7-12, Aug. 29 to Sept. 16, and Sept. 28-30. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

AVERAGE DISCHARGE.--21 years, 694 ft³/s, 26.55 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 42,500 ft³/s, Apr. 7, 1983, gage height, 29.96 ft from flood-mark, minimum, 66 ft³/s, Oct. 3, 1982, gage height, 3.38 ft.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 30	2030	3,550	12.85	May 6	0600	4,400	14.45
Feb. 23	1230	5,910	17.02	May 10	2400	5,220	15.88
Mar. 2	0030	*7,350	*18.89	July 5	2300	3,600	12.95
May 1	1830	4,820	15.19				

Minimum daily discharge, 95 ft³/s, Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	99	109	396	230	1620	3600	546	4630	1160	429	243	300
2	96	106	334	220	1250	6480	436	3970	1050	374	224	280
3	95	105	675	479	1010	4750	350	2140	1340	705	248	255
4	118	105	1400	645	761	3220	322	2250	1070	895	243	240
5	123	111	990	544	834	2320	310	3100	1130	2330	359	380
6	120	124	573	710	1640	1790	304	4210	881	2500	335	310
7	119	132	402	1830	1370	1310	301	3190	950	2130	259	340
8	115	128	343	882	1280	980	336	1960	770	2640	244	550
9	111	213	309	632	1090	796	393	2310	685	1760	223	390
10	109	394	294	889	802	688	399	4030	1100	1250	214	285
11	106	327	278	2830	624	620	365	4800	670	898	399	265
12	103	296	265	1970	562	583	355	3620	500	588	339	240
13	108	248	258	1230	524	590	466	2210	961	482	300	250
14	108	214	244	904	551	542	1070	1570	2300	421	256	245
15	110	199	226	675	551	494	2080	1150	1340	379	225	220
16	110	190	223	617	520	476	2280	875	945	354	212	188
17	111	180	221	558	490	913	1660	739	647	342	202	180
18	113	156	221	502	493	1080	1150	1630	499	440	196	176
19	105	148	237	1140	496	864	916	2410	892	403	190	227
20	100	141	249	1030	1580	679	657	1840	1010	347	190	242
21	100	140	252	780	1670	536	537	1860	1660	309	186	231
22	127	142	261	624	4230	479	439	1710	1540	295	179	214
23	150	145	360	509	5660	455	489	1310	1190	282	175	193
24	139	155	451	1570	3780	428	568	1390	1170	280	170	267
25	128	162	441	2130	2190	394	1070	1940	932	283	175	1100
26	122	169	342	1390	1400	367	1370	3170	663	338	181	878
27	121	173	256	1020	1020	355	915	2870	592	327	193	647
28	119	243	229	938	809	346	695	1950	574	295	437	500
29	119	552	221	921	---	533	1360	1460	1040	294	490	390
30	116	503	230	2610	---	914	4270	1480	568	304	320	300
31	112	---	240	2680	---	650	---	1230	---	276	390	---
TOTAL	3532	6010	11421	33689	38807	38232	26409	73004	29829	22950	7997	10283
MEAN	114	200	368	1087	1386	1233	880	2355	994	740	258	343
MAX	150	552	1400	2830	5660	6480	4270	4800	2300	2640	490	1100
MIN	95	105	221	220	490	346	301	739	499	276	170	176
CFSM	.32	.56	1.04	3.06	3.90	3.47	2.48	6.63	2.80	2.09	.73	.97
IN.	.37	.63	1.20	3.53	4.07	4.01	2.77	7.65	3.13	2.40	.84	1.08
CAL YR 1990	TOTAL	304439	MEAN 834	MAX 9970	MIN 95	CFSM 2.35	IN 31.90					
WTR YR 1991	TOTAL	302163	MEAN 828	MAX 6480	MIN 95	CFSM 2.33	IN 31.66					

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

LOCATION.--Lat 31°01'30", long 89°01'00", in NW4NE4 sec.29, T.1 N., R.10 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170007, on right bank, 75 ft downstream from bridge on State Highway 29, 1.2 mi east of Janice, and 5.5 mi upstream from mouth.

DRAINAGE AREA.--52.6 mi².

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WDR MS-80-1: Drainage area. WRD MS-85-1: 1959 (M), 1979 (M).

GAGE.--Water-stage recorder. Elevation of gage is 110 ft, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Satellite telemeter at station.

AVERAGE DISCHARGE.--25 years, 101 ft³/s, 26.08 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,000 ft³/s, Apr. 4, 1979, maximum gage height 29.51 ft, Apr. 7, 1983, minimum, 4.5 ft³/s, Sept. 2, 3, 1968.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 1, 1959, reached a stage of 32.06 ft, discharge, 16,700 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,200 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 22	2100	1,430	14.76	May 11	0100	*4,580	*23.19
Mar. 1	2300	3,730	21.88	May 18	2200	1,370	14.48
Apr. 30	0530	2,170	18.08	May 27	2000	2,200	18.21
May 6	0430	1,400	14.61	July 6	0130	1,230	13.75

Minimum discharge, 8.3 ft³/s, Oct. 16, 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.6	8.7	19	16	190	1570	54	324	134	41	23	44
2	9.2	8.7	17	16	120	2130	45	170	113	39	22	31
3	9.4	8.7	90	94	95	554	40	129	268	43	23	28
4	11	8.7	98	107	85	306	38	523	342	387	23	25
5	11	10	36	43	135	179	37	708	314	462	34	25
6	10	11	23	125	234	142	36	963	355	751	156	23
7	9.5	11	19	812	125	119	37	269	175	478	63	56
8	9.2	10	18	216	83	99	227	202	109	749	38	43
9	8.7	71	16	86	66	85	130	486	85	211	33	32
10	8.5	58	15	232	57	74	259	1640	192	143	29	26
11	8.6	26	15	916	50	67	140	2300	447	95	28	21
12	8.9	17	14	375	45	65	75	376	268	74	29	19
13	8.9	15	14	132	45	105	55	430	317	59	25	18
14	8.7	14	14	86	51	85	51	245	365	50	24	21
15	8.5	13	14	88	44	65	609	159	162	49	24	19
16	8.5	13	14	98	37	66	266	135	112	43	22	18
17	8.5	13	14	64	39	181	116	127	93	38	22	17
18	8.9	12	14	54	42	152	134	721	84	37	21	18
19	9.9	12	16	273	42	90	170	795	89	36	20	22
20	9.3	12	16	184	115	66	159	275	119	33	19	21
21	9.0	12	16	90	135	58	107	335	164	32	19	18
22	12	12	21	62	973	57	65	308	98	30	18	17
23	12	13	56	55	549	55	132	204	72	54	18	17
24	11	14	66	419	165	49	124	175	67	49	19	27
25	10	13	32	479	117	43	289	557	57	67	23	95
26	9.5	13	23	161	92	40	372	1440	90	50	23	57
27	9.2	13	20	106	74	39	243	1680	72	43	24	29
28	9.2	20	18	95	63	39	153	916	73	34	40	22
29	9.1	49	18	141	---	186	764	297	76	29	43	20
30	9.0	27	18	630	---	173	1480	251	49	27	29	19
31	8.7	---	17	617	---	76	---	171	---	25	30	---
TOTAL	293.5	538.8	801	6872	3868	7015	6407	17311	4961	4258	964	848
MEAN	9.47	18.0	25.8	222	138	226	214	558	165	137	31.1	28.3
MAX	12	71	98	916	973	2130	1480	2300	447	751	156	95
MIN	8.5	8.7	14	16	37	39	36	127	49	25	18	17
CFSM	.18	.34	.49	4.22	2.62	4.30	4.07	10.6	3.14	2.61	.59	.54
IN.	.21	.38	.57	4.86	2.74	4.96	4.53	12.24	3.51	3.01	.68	.60

CAL YR 1990	TOTAL	41555.5	MEAN 114	MAX 2800	MIN 8.5	CFSM 2.17	IN 29.39
WTR YR 1991	TOTAL	54137.3	MEAN 148	MAX 2300	MIN 8.5	CFSM 2.81	IN 38.29

PASCAGOULA RIVER BASIN

02479155 CYPRESS CREEK NEAR JANICE, MS--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREP-TOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML) (31673)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	
NOV 14...	1230	14	20	5.7	14.0	1.8	9.1	88	K48	K12	0.91	0.64	
FEB 05...	1200	92	19	5.5	14.0	3.9	9.1	88	210	100	0.92	0.53	
APR 17...	1100	118	17	5.5	19.5	5.5	9.1	99	K15	K8	0.85	0.45	
JUL 18...	1130	37	19	5.7	24.5	17	8.0	97	K46	K24	0.62	0.34	
DATE		SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
NOV 14...	2.4	0.60	3	3	2.2	2.6	<0.10	12	27	23	<0.010	<0.010	
FEB 05...	2.0	0.40	2	2	2.8	2.8	<0.10	9.2	28	20	<0.010	<0.010	
APR 17...	2.1	0.40	6	5	1.4	3.1	<0.10	8.8	37	21	<0.010	<0.010	
JUL 18...	2.0	0.40	1	1	0.60	2.6	0.10	10	31	18	<0.010	<0.010	
DATE		NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS-SOLVED (MG/L AS N) (00623)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (70507)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	
NOV 14...	<0.100	<0.100	0.010	0.020	0.30	--	<0.010	0.020	<0.010	<0.010	<0.010	140	
FEB 05...	<0.100	<0.100	0.020	0.020	0.30	--	<0.010	0.020	0.020	<0.010	<0.010	190	
APR 17...	0.051	<0.050	0.040	0.040	0.40	--	0.020	0.010	<0.010	<0.010	<0.010	360	
JUL 18...	0.065	0.070	0.030	0.020	0.50	0.40	<0.010	<0.010	0.010	<0.010	<0.010	130	
DATE		ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	
NOV 14...	<1	32	<0.5	<1.0	4	<3	1	140	<1	<4	<4	57	
FEB 05...	<1	32	<0.5	<1.0	<1	<3	1	230	<1	<4	<4	67	
APR 17...	<1	29	0.5	<1.0	3	<3	1	380	3	<4	<4	80	
JUL 18...	1	21	<0.5	<1.0	1	<3	<1	200	<1	<4	<4	46	

02479155 CYPRESS CREEK NEAR JANICE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 14...	<0.1	<10	5	<1	<1.0	10	<6	3	2	0.08	64
FEB 05...	<0.1	<10	2	<1	<1.0	9	<6	7	1	0.25	65
APR 17...	<0.1	<10	4	<1	<1.0	9	<6	14	3	0.96	74
JUL 18...	<0.1	<10	<1	<1	<1.0	5	<6	54	4	0.40	42
DATE	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT) (80030)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT) (80040)	ALPHA, COUNT, 2 SIGMA WAT DIS AS NAT U (UG/L) (75986)	ALPHA COUNT, 2 SIGMA WAT DIS AS TH-230 (PCI/L) (75987)	ALPHA, 2 SIGMA SED SUS TOT DRY AS TH-230 (PCI/L) (76004)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137) (03515)	GROSS BETA, DIS- SUSP. TOTAL (PCI/L AS CS-137) (03516)	BETA, 2 SIGMA WATER, DISS, AS CS-137 (PCI/L) (75989)			
NOV 14...	<0.6	<0.6	0.40	<0.60	0.20	1.2	<0.6	0.60			
APR 17...	0.6	0.7	0.50	<0.60	0.50	1.4	<0.6	0.50			
DATE	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ YT-90) (80050)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90) (80060)	BETA, 2 SIGMA WATER, DISS, AS SR90 /Y90 (PCI/L) (75988)	BETA, 2 SIGMA SED, SUSP, TOT DRY SR90Y90 (PCI/L) (76005)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L) (09511)	RA-226 2 SIGMA WATER, DISS, (PCI/L) (76001)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	URANIUM NATURAL 2 SIGMA WATER, DISS, (UG/L) (75990)			
NOV 14...	1.2	<0.6	0.50	0.50	0.12	0.020	0.03	<1.0			
APR 17...	1.3	<0.6	0.50	0.40	0.10	0.020	0.12	<1.0			

02479160 BLACK CREEK NEAR WIGGINS, MS

LOCATION.--Lat 30°51'12", long 88°54'49", in SW4 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 downstream from Flat Branch, 8.6 mi upstream from Sweetwater Creek, and 13.4 mi east of Wiggins.

DRAINAGE AREA.--701 mi².

PERIOD OF RECORD.--Occasional discharge measurements, water years 1956-57, 1959-60. October 1971 to current year.

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

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 48.94 ft above National Geodetic Vertical Datum of 1929. Prior to 1978 water year, at datum 0.05 ft lower.

REMARKS.--No estimated daily discharges. Records good. Satellite telemeter at station.

AVERAGE DISCHARGE.--20 years, 1,428 ft³/s, 27.66 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 43,900 ft³/s, Apr. 8, 1983, gage height, 28.81 ft, minimum, 100 ft³/s, Oct. 5, 1982, gage height, 3.85 ft, minimum gage height, 3.80 ft, Oct. 19, 20, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood (believed to be that of July 1916) reached a stage of 30.5 ft, from Mississippi State Highway Department plans. The flood of June 3, 1959, reached a stage of 25.88 ft, and the flood of Feb. 19, 1961, 25.83 ft from floodmarks, discharge, about 26,000 ft³/s, based on peak data at sites upstream and downstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 7,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 24	1500	7,630	19.85	May 12	1100	10,000	21.43
Mar. 3	2230	*12,100	*22.35	May 19	2330	7,170	19.44
May 7	1400	7,910	20.08	May 28	1230	9,700	21.26

Minimum discharge, 197 ft³/s, Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	205	215	663	391	5260	2900	1200	6330	2430	1090	515	782
2	205	212	537	387	3020	8330	1020	6370	2170	933	465	711
3	198	206	612	454	2050	11700	856	5510	2400	945	445	610
4	212	204	1460	1160	1700	11200	745	4020	3350	1660	477	535
5	226	204	1640	1100	1600	8210	698	5000	2910	2580	570	517
6	234	224	1140	844	2580	4620	673	6840	3220	4290	854	576
7	260	233	766	2690	2610	2960	659	7790	2470	5570	1080	595
8	265	240	591	3510	2060	2310	845	6430	1950	5900	652	936
9	245	316	552	1580	1830	1920	1080	4420	1570	5520	547	763
10	229	613	495	1280	1580	1670	1200	5560	1400	3320	475	588
11	218	613	461	3630	1290	1500	1230	8030	2770	2110	446	511
12	216	482	433	4930	1100	1400	889	9780	2400	1600	740	454
13	212	427	415	3580	1020	1410	775	8110	1980	1250	600	418
14	209	375	410	1910	1040	1430	944	4900	3460	1080	513	452
15	211	330	428	1460	1020	1250	2700	2870	4170	959	458	433
16	210	313	391	1310	931	1170	3900	2220	2470	889	417	402
17	210	305	377	1130	883	1490	3090	1940	1830	802	394	383
18	221	293	374	956	869	2170	2190	3320	1470	791	378	378
19	242	270	380	1500	867	1860	2270	6550	1410	888	365	494
20	233	259	390	2370	1010	1500	1800	6500	2150	821	352	533
21	218	249	398	1690	2680	1270	1460	4360	2120	737	341	458
22	230	245	406	1260	3720	1120	1120	4040	2690	673	330	420
23	276	245	481	1030	6110	1060	1150	3340	2290	637	319	399
24	330	250	805	1840	7450	995	1420	2820	2230	784	312	390
25	300	257	746	4060	6760	919	1650	3280	1950	877	324	1160
26	266	265	642	3830	3790	848	3410	5770	1610	748	345	1760
27	247	269	516	2220	2100	802	3100	8080	1400	762	347	1220
28	239	306	430	1730	1640	778	2170	9410	1280	686	458	910
29	232	502	396	1690	---	1110	1880	6960	1380	605	907	704
30	225	798	384	3180	---	2110	4620	3840	1510	595	796	531
31	219	---	382	5220	---	1640	---	3000	---	571	607	---
TOTAL	7243	9720	18101	63922	68570	83652	50744	167390	66440	50673	15829	19023
MEAN	234	324	584	2062	2449	2698	1691	5400	2215	1635	511	634
MAX	330	798	1640	5220	7450	11700	4620	9780	4170	5900	1080	1760
MIN	198	204	374	387	867	778	659	1940	1280	571	312	378
CFSM	.33	.46	.83	2.94	3.49	3.85	2.41	7.70	3.16	2.33	.73	.90
IN.	.38	.52	.96	3.39	3.64	4.44	2.69	8.88	3.53	2.69	.84	1.01
CAL YR 1990	TOTAL	608565	MEAN	1667	MAX	12100	MIN	198	CFSM	2.38	IN	32.29
WTR YR 1991	TOTAL	621307	MEAN	1702	MAX	11700	MIN	198	CFSM	2.43	IN	32.97

02479300 RED CREEK AT VESTRY, MS

LOCATION.--Lat 30°44'10", long 88°46'50", in SW4SW4 sec.34, T.3 S., R.8 W., St. Stephens Meridian, George County, Hydrologic Unit 03170007, located temporarily on left bank 80 ft downstream from bridge on county highway, 0.5 mi north of Vestry, and 1.1 mi upstream from Little Red Creek.

DRAINAGE AREA.--441 mi².

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

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

GAGE.--Water-stage recorder. Datum of gage is 20.10 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good.

AVERAGE DISCHARGE.--33 years, 883 ft³/s, 27.19 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 28,000 ft³/s, Aug. 15, 1987, gage height, 21.48 ft, minimum discharge, 88 ft³/s, Oct. 22, 1963, gage height, 3.22 ft.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 13	0430	4,540	13.97	May 2	0800	4,940	14.20
Feb. 1	0330	5,300	14.40	May 12	0900	*8,770	*16.23
Feb. 24	2030	4,650	14.03	May 20	0930	7,740	15.75
Mar. 3	1800	7,650	15.70	May 27	1830	5,510	14.52
Apr. 27	2130	4,020	13.68				

Minimum discharge, 143 ft³/s, Oct. 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	154	178	367	248	5210	1440	687	4600	1580	861	453	611
2	154	180	336	273	4420	4740	511	4870	1280	748	408	791
3	151	178	435	472	2680	7100	423	4230	1190	932	426	870
4	154	175	994	768	1460	6860	378	4160	1580	1050	493	756
5	165	172	783	698	1210	5550	355	4110	1470	979	457	569
6	164	173	615	581	2250	3870	339	4450	1820	1380	500	515
7	161	183	473	2410	2470	2000	331	4550	2170	2270	537	528
8	158	183	383	2850	1670	1360	355	4060	1710	3280	508	577
9	155	231	340	1790	1220	1080	562	3710	1140	3830	512	493
10	154	397	314	1520	921	906	521	4240	916	3190	495	433
11	149	419	294	3570	772	776	488	6270	1150	1710	417	393
12	149	374	278	4370	679	698	462	8290	1340	991	610	365
13	149	302	264	4350	625	672	395	6560	1180	781	774	345
14	149	258	241	2800	664	672	358	5000	1100	676	580	330
15	149	238	232	1430	724	647	1180	3270	2080	622	448	326
16	148	217	229	1090	639	609	2740	1910	1980	739	393	314
17	147	204	225	907	560	880	2640	1500	1280	997	364	304
18	145	196	224	741	538	1390	1650	2170	2030	837	343	298
19	146	188	226	848	534	1250	1890	5090	1990	1060	328	691
20	151	184	234	1300	568	895	2000	7440	1470	768	317	875
21	160	181	226	1230	735	672	1590	6130	1050	794	302	547
22	223	179	221	930	1610	578	1180	4810	1450	634	289	423
23	219	177	254	701	3460	543	1160	4080	2050	555	278	455
24	222	177	357	1370	4470	518	1730	3230	2450	617	272	441
25	225	176	440	3110	4280	474	1830	2710	2710	631	270	948
26	214	176	372	3640	2400	434	2750	4490	1880	674	287	1660
27	200	177	308	2490	1240	407	3830	5430	1640	547	281	1060
28	192	190	277	1650	933	395	3890	5350	1550	483	306	668
29	185	211	257	1300	---	393	2970	4970	1310	464	508	476
30	178	295	250	3480	---	752	3830	4230	1030	451	660	383
31	175	---	244	5140	---	1120	---	2480	---	479	533	---
TOTAL	5245	6569	10693	58057	48942	49681	43025	138390	47576	34030	13349	17445
MEAN	169	219	345	1873	1748	1603	1434	4464	1586	1098	431	582
MAX	225	419	994	5140	5210	7100	3890	8290	2710	3830	774	1660
MIN	145	172	221	248	534	393	331	1500	916	451	270	298
CFSM	.38	.50	.78	4.25	3.96	3.64	3.25	10.1	3.60	2.49	.98	1.32
IN.	.44	.55	.90	4.90	4.13	4.19	3.63	11.67	4.01	2.87	1.13	1.47
CAL YR 1990	TOTAL	400094	MEAN	1096	MAX	14000	MIN	145	CFSM	2.49	IN	33.75
WTR YR 1991	TOTAL	473002	MEAN	1296	MAX	8290	MIN	145	CFSM	2.94	IN	39.90

PASCAGOULA RIVER BASIN

02479560 ESCATAWPA RIVER NEAR AGRICOLA, MS
(National stream-quality accounting station)

LOCATION.--Lat 30°48'12", long 88°27'31", in SW¼ SW¼ sec. 2, T. 3 S., R. 5 W., George County, MS, Hydrologic Unit 03170008, near left bank on downstream side of bridge on county road 612, 2.5 mi west of Alabama-Mississippi State line, 3.7 mi east of Agricola, Miss., 4.8 mi downstream of old gage at Escatawpa River near Wilmer, Ala, and 6.7 mi west of Wilmer.

DRAINAGE AREA.--562 mi².

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

REVISED RECORD.--WDR AL-84-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 50 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Mar. 14 to May 8. Water-discharge records good except those for period of estimated record, which are poor.

AVERAGE DISCHARGE.--18 years, 1,248 ft³/s, 30.16 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 33,700 ft³/s, Apr. 9, 1983, gage height, 22.39 ft; minimum, 100 ft³/s, June 8, 1985.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1929 reached an elevation of 72.0 ft ± 1.0 ft, National Geodetic Vertical datum of 1929, as determined from historical data. Peak discharge of this flood is unknown but in all probability has not been exceeded since 1929.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 31	1900	9,660	16.65	May 11	1900	*22,500	*19.91
Mar. 3	1800	9,220	16.48	May 29	0900	12,000	17.49

Minimum daily discharge, 125 ft³/s, Oct. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	138	141	191	285	8880	2120	1500	7000	3790	634	552	541
2	136	140	190	388	6180	6780	1100	8000	2220	600	452	508
3	134	139	485	566	3620	8970	800	7500	1530	1030	401	449
4	137	139	1280	1210	2650	8580	610	6900	1310	1340	366	386
5	151	143	829	972	2250	8050	540	5800	1160	1660	488	344
6	141	156	519	743	2100	7110	480	6400	1110	1080	927	311
7	136	158	401	2090	1890	4750	450	7000	959	1270	1320	347
8	134	156	345	2440	1620	2770	550	5300	854	1640	728	368
9	131	577	307	1980	1390	1880	800	6120	757	1290	525	347
10	129	1430	279	1930	1220	1430	900	6790	666	1050	489	302
11	126	905	259	4110	1100	1180	750	18600	656	837	416	273
12	126	514	246	4690	991	1020	630	17100	623	696	387	254
13	127	362	238	3750	918	936	540	11300	618	595	355	240
14	127	286	232	2830	937	900	500	9660	594	520	337	236
15	126	247	226	2200	842	920	1800	7730	672	487	327	233
16	126	223	220	1950	810	910	2300	4440	855	577	322	227
17	125	209	220	1630	813	1500	2000	3080	806	651	312	218
18	143	197	220	1320	822	1800	1700	2690	805	717	301	226
19	151	190	291	1440	810	1600	1850	2800	1150	523	291	860
20	143	187	324	1600	1010	1300	2000	2320	1650	459	285	1040
21	139	183	314	1370	2200	950	1500	2040	1260	620	269	582
22	213	181	277	1180	2770	820	1300	1920	1120	585	255	386
23	259	180	331	1030	4180	730	1100	1750	1080	618	247	309
24	240	186	833	1870	3930	680	950	2140	1010	734	243	274
25	204	184	660	3230	3320	640	1010	2610	916	589	294	819
26	174	182	489	3080	2990	590	2200	5270	1020	542	305	1190
27	159	181	394	2310	2470	540	4700	8910	1130	536	316	737
28	152	179	341	2050	1740	520	5400	11300	939	618	410	492
29	147	184	312	1900	---	800	4000	11800	782	597	406	364
30	143	192	294	5010	---	1300	5000	9930	727	578	502	307
31	141	---	282	9160	---	1600	---	7150	---	745	583	---
TOTAL	4658	8331	11829	70314	64453	73676	48960	211350	32769	24418	13411	13170
MEAN	150	278	382	2268	2302	2377	1632	6818	1092	788	433	439
MAX	259	1430	1280	9160	8880	8970	5400	18600	3790	1660	1320	1190
MIN	125	139	190	285	810	520	450	1750	594	459	243	218
CFSM	.27	.49	.68	4.04	4.10	4.23	2.90	12.1	1.94	1.40	.77	.78
IN.	.31	.55	.78	4.65	4.27	4.88	3.24	13.99	2.17	1.62	.89	.87

CAL YR 1990	TOTAL 517905	MEAN 1419	MAX 14000	MIN 125	CFSM 2.52	IN. 34.28
WTR YR 1991	TOTAL 577339	MEAN 1582	MAX 18600	MIN 125	CFSM 2.81	IN. 38.22

02481000 BILOXI RIVER AT WORTHAM, MS

LOCATION.--Lat 30°33'30", long 89°07'20", in SE4SE4 sec.31, T.5 S., R.11 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, on downstream side of right main pier of upstream bridge of dual bridges on U.S. Highway 49, 0.8 mi east of Wortham, 1.3 mi downstream from Illinois Central Railroad bridge, 1.1 mi upstream from Saucier Creek, 4.2 mi north of Lyman, and 18.8 mi upstream from mouth.

DRAINAGE AREA.--96.2 mi².

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

REVISED RECORDS.--WDR MS - 89 - 1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 19.18 ft Mississippi State Highway Department datum. Prior to Oct. 1, 1977, at datum 2.00 ft higher.

REMARKS.--Estimated daily discharges: July 1-5. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

AVERAGE DISCHARGE.--39 years, 297 ft³/s, 27.95 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,300 ft³/s, Apr. 8, 1983, gage height, 25.30 ft present datum, minimum, 1.1 ft³/s, Oct. 21, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1948 reached a stage of 25.3 ft present datum, from information by Mississippi State Highway Department. Floods in 1916 and 1928 reached approximately the same stage and were at least 8.5 ft higher than that of Sept. 18, 1957, at a point about 1 mi upstream, from information by local residents.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 7	0700	3,230	13.46	Apr. 30	0115	2,030	9.97
Jan. 11	0945	2,650	11.84	May 11	1415	4,010	15.37
Jan. 30	1600	4,770	16.94	May 18	2345	*6,990	*20.85
Mar. 2	0100	4,640					

Minimum discharge, 2.3 ft³/s, Oct. 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	3.4	15	28	1010	1730	67	1130	200	130	21	153
2	2.7	3.3	15	48	438	3880	53	527	165	120	19	231
3	3.5	3.3	548	258	312	2030	46	301	246	110	43	225
4	7.2	3.5	375	237	260	985	42	358	246	100	91	142
5	7.8	4.2	114	128	511	505	40	587	320	145	87	89
6	5.5	3.6	65	202	827	338	40	662	301	483	73	92
7	5.4	3.3	45	2290	457	273	40	400	400	546	64	197
8	4.8	3.6	35	708	278	225	99	665	282	901	87	278
9	4.1	18	28	286	207	184	185	1570	157	351	49	103
10	3.4	40	23	819	171	151	137	2160	207	172	35	67
11	3.0	31	19	2360	145	132	108	3570	459	115	31	53
12	3.0	20	17	1380	124	122	89	1770	389	87	36	40
13	2.8	15	15	673	116	126	71	1230	360	69	25	32
14	3.0	11	14	291	139	122	61	670	198	57	22	28
15	3.0	8.6	14	259	134	103	1020	370	159	48	24	24
16	3.0	7.3	13	297	101	135	627	300	136	42	21	22
17	3.1	6.4	13	199	89	458	290	216	188	50	20	22
18	3.2	5.7	13	148	91	375	416	3450	317	192	18	50
19	2.9	5.2	17	364	90	215	690	5240	174	304	19	388
20	2.5	4.6	21	362	99	145	409	1720	143	165	18	259
21	3.2	4.4	20	221	136	118	248	748	132	184	16	96
22	18	4.4	18	153	985	108	160	791	193	102	15	54
23	14	4.4	21	127	1230	102	138	532	160	90	14	106
24	13	4.3	28	999	651	92	169	390	312	99	13	99
25	9.0	4.3	34	1220	277	78	179	657	460	64	13	272
26	6.6	4.9	34	656	205	68	505	1300	290	47	13	371
27	5.6	5.2	27	347	162	64	730	1170	276	38	42	130
28	4.8	5.9	23	434	135	61	418	1110	212	32	102	72
29	4.2	8.7	21	476	---	62	735	770	180	27	121	50
30	3.9	13	19	3230	---	69	1750	365	163	25	147	40
31	3.6	---	19	2350	---	100	---	257	---	23	206	---
TOTAL	162.6	260.5	1683	21550	9380	13156	9562	34986	7425	4918	1505	3785
MEAN	5.25	8.68	54.3	695	335	424	319	1129	248	159	48.5	126
MAX	18	40	548	3230	1230	3880	1750	5240	460	901	206	388
MIN	2.5	3.3	13	28	89	61	40	216	132	23	13	22
CFSM	.06	.09	.56	7.23	3.48	4.41	3.32	11.7	2.58	1.65	.50	1.31
IN.	.06	.10	.65	8.33	3.63	5.09	3.70	13.53	2.87	1.90	.58	1.46

CAL YR 1990	TOTAL	68311.3	MEAN 187	MAX 5240	MIN 2.5	CFSM 1.94	IN 26.42
WTR YR 1991	TOTAL	108373.1	MEAN 297	MAX 5240	MIN 2.5	CFSM 3.09	IN 41.91

WOLF RIVER BASIN

02481510 WOLF RIVER NEAR LANDON, MS

LOCATION.--Lat 30°29'00", long 89°16'28", in NE¼ sec.34, T.6 S., R.13 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, on left bank at downstream side of bridge on county highway, 0.3 mi downstream from Sandy Creek, 1.3 mi upstream from Pole Branch, and 11.2 mi northwest of Landon.

DRAINAGE AREA.--308 mi².

PERIOD OF RECORD.--August 1971 to current year. Occasional discharge measurements, water years 1964-66.

GAGE.--Water-stage recorder. Datum of gage is 14.34 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 18, 1978, at datum 7.00 ft higher. Oct. 18, 1978 to Oct. 15, 1990, at datum 5.00 ft higher.

REMARKS.--Estimated daily discharges: Oct. 1-15. Records good except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--20 years, 797 ft³/s, 29.32 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,400 ft³/s, Apr. 8, 1983, gage height, 21.53 ft, minimum daily, 37 ft³/s, June 9, 1985.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 27, 1964, reached a stage of 21.06 ft. The flood of 1920 reached a stage about 5 ft higher than that of April 1964, from information by local resident.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 7	0730	6,210	16.71	Mar. 1	2130	9,510	20.16
Jan. 11	1130	4,790	14.89	Apr. 30	1000	4,590	14.62
Jan. 30	1430	6,730	17.34	May 11	0400	7,230	17.92
Feb. 22	2100	5,120	15.33	May 18	2030	*12,600	*22.63

Minimum daily discharge, 43 ft³/s, Oct. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	50	143	135	2590	3800	421	3610	698	350	116	807
2	49	50	112	158	1620	6900	324	2280	597	508	115	898
3	48	50	1250	348	1030	5440	275	1560	720	484	112	924
4	48	50	719	498	750	3140	249	1380	942	372	162	477
5	54	54	460	392	893	1860	233	2000	798	470	188	302
6	52	61	299	413	1660	1280	227	1680	721	673	160	507
7	51	57	226	3880	1360	975	223	1400	1500	897	160	1250
8	50	59	184	1590	957	798	282	1980	929	2020	205	701
9	49	95	147	823	707	660	378	3920	576	2240	149	346
10	48	141	129	1490	540	557	652	6160	468	1070	129	269
11	47	157	117	4280	454	494	494	6690	713	546	120	211
12	47	125	110	3100	395	456	363	4340	749	379	111	176
13	46	95	105	1760	362	457	293	2490	732	308	107	152
14	45	80	101	1010	380	461	259	1590	1330	263	115	134
15	44	70	99	729	413	413	1720	1090	1580	259	107	122
16	43	66	97	697	343	447	1900	871	773	238	99	116
17	44	63	97	547	301	1070	1180	715	587	231	96	112
18	45	61	98	427	295	1220	1390	6440	558	240	98	127
19	59	59	108	763	298	795	2000	7800	479	359	93	223
20	60	63	109	1050	344	570	1790	2880	457	911	89	211
21	54	63	108	718	748	465	1180	1910	469	434	84	153
22	85	63	106	511	3610	420	725	2060	612	305	80	211
23	77	63	119	396	4520	396	554	1740	540	216	77	649
24	76	63	268	1760	2520	362	873	1370	807	194	75	299
25	74	63	252	2740	1510	329	984	1460	897	180	84	630
26	65	65	190	1780	949	301	1850	2550	975	167	83	601
27	59	63	152	1180	684	286	2220	3230	830	144	259	386
28	54	65	131	1080	553	275	1560	2900	700	135	1130	260
29	52	94	121	1140	---	276	1580	1760	639	128	1020	200
30	51	142	121	4690	---	907	4340	1150	426	123	578	167
31	51	---	120	3740	---	657	---	856	---	120	1620	---
TOTAL	1677	2250	6398	43825	30786	36467	30519	81862	22802	14964	7621	11621
MEAN	54.1	75.0	206	1414	1100	1176	1017	2641	760	483	246	387
MAX	85	157	1250	4690	4520	6900	4340	7800	1580	2240	1620	1250
MIN	43	50	97	135	295	275	223	715	426	120	75	112
CFSM	.18	.24	.67	4.59	3.57	3.82	3.30	8.58	2.47	1.57	.80	1.26
IN.	.20	.27	.77	5.29	3.72	4.40	3.69	9.89	2.75	1.81	.92	1.40

CAL YR 1990	TOTAL	238267	MEAN	653	MAX	11600	MIN	43	CFSM	2.12	IN	28.78
WTR YR 1991	TOTAL	290792	MEAN	797	MAX	7800	MIN	43	CFSM	2.59	IN	35.12

02481880 PEARL RIVER AT BURNSIDE, MS

LOCATION.--Lat 32°50'27", long 89°05'51", in NE¼ sec.6, T.11 N., R.12 E., Choctaw Meridian, Neshoba County, Hydrologic Unit 03180001, on right bank at downstream edge of roadway at bridge on State Highway 15, 2.4 mi upstream from Illinois Central and Gulf railroad, 4.8 mi north of Philadelphia and 0.9 mi south of Burnside.

DRAINAGE AREA.--520 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 376.30 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Nov. 2, Nov. 11-12, Dec. 15-17, Dec. 22-23, Dec. 29 - Jan. 3 and June 2-7. Records good except for estimated daily discharges, which are poor. Telemeter and satellite telemeter at station.

AVERAGE DISCHARGE.--10 years, 712 ft³/s, 18.59 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,800 ft³/s, May 21, 1983, gage height, 19.77 ft, minimum daily, 0.47 ft³/s, Sept. 28, 1987.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge observed, 70,600 ft³/s, Apr. 13, 1979, gage height, 23.31 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 19,300 ft³/s, Apr. 30, gage-height, 17.29 ft, minimum discharge, 2.1 ft³/s, Oct. 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	4.1	6.9	1000	475	1330	4960	13600	1660	397	82	180
2	2.3	3.1	12	840	491	1500	3040	9610	1300	313	64	229
3	4.2	3.0	40	710	483	2710	1850	4890	1000	230	218	222
4	5.1	3.1	63	595	465	3610	1310	2940	800	172	116	191
5	4.7	3.7	75	536	455	3350	1020	2310	660	169	59	152
6	4.8	4.7	49	522	543	2970	792	2690	500	195	45	116
7	4.0	4.9	26	534	597	2220	624	3980	400	185	37	86
8	4.2	4.2	15	561	787	1610	494	4100	332	172	31	65
9	4.5	13	12	561	982	1240	455	4150	224	170	26	57
10	4.2	7.7	14	585	884	988	412	3710	158	181	29	55
11	4.0	4.2	14	656	708	789	374	3210	118	216	429	47
12	3.5	3.4	11	667	586	632	368	2500	93	241	543	43
13	2.9	3.2	7.4	728	492	514	752	2060	79	220	318	37
14	3.3	3.5	5.2	761	422	419	2680	1660	134	153	115	33
15	3.5	5.2	5.0	711	362	360	11100	1400	341	99	158	29
16	3.3	5.9	4.8	632	312	313	13900	1330	546	80	243	27
17	3.6	4.1	4.7	550	266	293	9390	1240	525	70	250	24
18	5.3	6.0	5.1	488	277	328	5120	1130	398	58	192	21
19	4.7	7.0	5.2	445	1120	349	2850	1010	456	49	126	19
20	4.8	7.9	5.1	403	9220	364	2050	974	739	38	74	20
21	3.4	8.3	5.2	361	13800	359	1480	867	887	30	51	59
22	2.4	9.3	40	329	11500	346	1150	763	663	26	41	72
23	3.9	10	400	296	8740	322	976	745	609	24	37	51
24	5.1	11	1390	277	7080	291	835	754	480	29	31	54
25	3.7	11	5490	315	4880	286	716	728	387	33	29	210
26	2.5	12	4930	355	3370	278	613	895	466	64	53	326
27	2.4	11	3540	387	2290	233	560	2920	707	124	83	406
28	3.5	21	2270	391	1650	207	1060	6390	851	157	103	411
29	3.7	11	1650	379	---	597	7490	4990	705	136	129	308
30	3.7	11	1400	417	---	3150	17800	3460	523	107	141	150
31	4.8	---	1200	454	---	5770	---	2280	---	98	137	---
TOTAL	119.2	217.5	22695.6	16446	73237	37728	96221	93286	16741	4236	3990	3700
MEAN	3.85	7.25	732	531	2616	1217	3207	3009	558	137	129	123
MAX	5.3	21	5490	1000	13800	5770	17800	13600	1660	397	543	411
MIN	2.3	3.0	4.7	277	266	207	368	728	79	24	26	19
CFSM	.007	.01	1.41	1.02	5.03	2.34	6.17	5.79	1.07	.26	.25	.24
IN.	.01	.02	1.62	1.18	5.24	2.70	6.88	6.67	1.20	.30	.29	.26
CAL YR 1990	TOTAL	292030.5	MEAN	800	MAX	14000	MIN	2.0	CFSM	1.54	IN	20.89
WTR YR 1991	TOTAL	368617.3	MEAN	1010	MAX	17800	MIN	2.3	CFSM	1.94	IN	26.37

PEARL RIVER BASIN

02481880 PEARL RIVER AT BURNSIDE, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.35	4.71	4.98	---	10.01	12.34	14.12	15.08	12.64	9.10	5.96	6.95
2	4.30	4.55	5.18	---	10.11	12.52	13.42	15.38	---	8.46	5.67	7.45
3	4.40	4.67	5.82	---	10.07	13.26	12.79	14.09	---	7.74	7.44	7.38
4	4.47	4.68	6.27	10.38	9.98	13.65	12.25	13.38	---	7.17	6.36	7.09
5	4.46	4.73	6.46	10.09	9.92	13.55	11.72	13.10	---	7.13	5.57	6.68
6	4.48	4.79	6.04	10.02	10.41	13.40	11.12	13.27	---	7.39	5.33	6.26
7	4.44	4.81	5.56	10.10	10.65	13.04	10.48	13.79	---	7.29	5.15	5.87
8	4.46	4.79	5.28	10.26	11.30	12.63	9.81	13.83	8.66	7.16	5.02	5.56
9	4.49	5.13	5.16	10.27	11.79	12.21	9.57	13.85	7.73	7.13	4.89	5.42
10	4.48	4.95	5.25	10.39	11.57	11.75	9.26	13.69	7.06	7.25	4.94	5.39
11	4.49	4.71	5.23	10.70	11.06	11.25	8.99	13.49	6.61	7.59	8.88	5.26
12	4.47	4.59	5.15	10.75	10.60	10.69	8.94	13.19	6.28	7.83	9.84	5.20
13	4.44	4.78	5.00	10.99	10.14	10.14	10.81	12.94	6.08	7.62	8.26	5.08
14	4.47	4.81	4.90	11.12	9.69	9.54	12.84	12.64	6.74	6.93	6.29	4.98
15	4.50	4.90	4.70	10.94	9.25	9.11	15.41	12.40	8.69	6.29	6.79	4.91
16	4.50	4.93	4.67	10.64	8.86	8.74	16.30	12.30	10.10	6.01	7.63	4.86
17	4.52	4.84	4.87	10.28	8.47	8.58	15.33	12.14	9.98	5.86	7.69	4.80
18	4.62	4.94	4.90	9.94	8.54	8.86	14.16	11.95	9.14	5.65	7.13	4.73
19	4.60	4.98	4.90	9.68	11.74	9.03	13.34	11.70	9.52	5.50	6.40	4.69
20	4.62	5.02	4.90	9.39	15.21	9.14	12.94	11.63	10.90	5.29	5.69	4.72
21	4.55	5.04	4.90	9.09	16.30	9.10	12.46	11.35	11.40	5.11	5.31	5.49
22	4.50	5.08	---	8.85	15.82	9.00	11.98	11.04	10.63	5.01	5.11	5.73
23	4.60	5.11	---	8.59	15.18	8.82	11.63	10.98	10.39	4.96	5.03	5.41
24	4.68	5.13	11.76	8.45	14.75	8.56	11.26	11.01	9.68	5.08	4.89	5.46
25	4.61	5.13	14.29	8.77	14.09	8.52	10.87	10.91	9.05	5.17	4.84	7.34
26	4.55	5.16	14.11	9.09	13.55	8.45	10.44	11.34	9.58	5.73	5.31	8.39
27	4.56	5.14	13.62	9.35	13.08	8.05	10.19	13.23	10.78	6.55	5.77	9.01
28	4.63	5.43	13.06	9.39	12.65	7.81	11.57	14.56	11.29	6.93	6.04	9.05
29	4.66	5.13	---	9.31	---	10.20	14.74	14.13	10.78	6.68	6.38	8.25
30	4.67	5.15	---	9.59	---	13.27	17.03	13.59	9.93	6.32	6.52	6.78
31	4.73	---	---	9.86	---	14.38	---	13.07	---	6.20	6.48	---
MEAN	4.53	4.93	---	---	11.60	10.63	12.19	12.87	---	6.58	6.21	6.14
MAX	4.73	5.43	---	---	16.30	14.38	17.03	15.38	---	9.10	9.84	9.05
MIN	4.30	4.55	---	---	8.47	7.81	8.94	10.91	---	4.96	4.84	4.69

02482000 PEARL RIVER AT EDINBURG, MS

LOCATION.--Lat 32°47'55", long 89°20'10", in SW4SW4 sec.13, T.11 N., R.9 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, on right bank 10 ft downstream from bridge on State Highway 16 at Edinburg, 1,100 ft downstream from Hooper Mill Creek, 1.6 mi upstream from Rice Creek and at mile 387.5.

DRAINAGE AREA.--904 mi².

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. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 341.67 ft above National Geodetic Vertical Datum of 1929. Prior to July 2, 1930, nonrecording gage at site 500 ft upstream at datum 0.12 ft higher. July 2, 1930 to Sept. 20, 1938, nonrecording gage at present site and datum.

REMARKS.--Estimated daily discharges: Mar. 8-18. Records good except for periods of estimated daily discharges, which are poor. National Weather Service telemeter at station.

AVERAGE DISCHARGE.--63 years, 1,176 ft³/s, 17.67 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 77,900 ft³/s, Apr. 14, 1979, gage height, 30.06 ft, minimum, 1.7 ft³/s, Oct. 5, 1954, gage height, 1.02 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood in March 1902 reached a stage of 29.0 ft, from reports of National Weather Service.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 22	1415	18,800	25.23	May 1	2000	*25,900	*26.29
Apr. 1	2400	6,080	20.84	May 30	1100	7,490	27.05
Apr. 17	1015	19,200	25.31				

Minimum discharge, 14 ft³/s, Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	28	154	2250	1010	4370	5800	24200	5790	779	242	303
2	15	25	115	1770	1010	4100	5870	24100	4660	619	191	288
3	15	22	172	1530	926	4000	5040	18500	3690	474	155	268
4	17	20	376	1370	857	4390	4090	12100	2700	393	176	253
5	23	17	321	1210	930	4730	3010	8480	1960	501	216	234
6	37	18	328	1060	1600	4630	1990	7220	1530	474	172	205
7	42	19	300	1190	1500	4250	1470	6700	1280	469	133	175
8	31	19	245	1150	1470	4000	1330	7470	1060	457	109	148
9	24	36	196	1090	1350	3300	1140	7930	790	465	99	124
10	21	207	156	1210	1280	2800	969	7890	561	409	95	112
11	19	170	130	1380	1290	2300	846	7680	429	321	167	109
12	18	119	117	1330	1280	1850	1300	6890	333	273	327	98
13	18	75	104	1290	1190	1570	2510	6120	302	258	498	89
14	18	54	94	1200	1030	1320	5440	5280	358	246	537	82
15	18	46	85	1130	860	1100	8180	4480	405	217	399	76
16	17	38	77	1110	713	940	15800	3640	417	175	269	72
17	16	29	71	1060	637	810	18900	2790	480	139	248	66
18	16	24	79	982	1650	740	16700	2230	551	159	251	62
19	16	21	87	937	4300	863	12000	1970	583	144	281	67
20	16	21	97	869	5800	875	8380	1840	538	112	234	63
21	15	23	110	795	12400	821	6150	1820	580	103	177	60
22	16	24	1260	732	18300	774	4780	1770	765	91	133	56
23	18	26	1900	662	17000	736	3770	1610	905	81	108	75
24	19	29	1550	683	13600	689	2840	1510	996	77	93	147
25	20	30	1550	737	10300	637	2070	1650	1080	210	89	504
26	19	29	2060	725	7980	594	1590	2530	921	895	102	435
27	18	30	3250	751	6270	566	1480	4130	666	786	115	424
28	17	88	3980	750	4970	590	2090	4980	616	794	122	410
29	17	254	3950	728	---	2250	5230	6630	711	577	142	406
30	17	202	3410	871	---	2900	13000	7390	798	414	159	382
31	20	---	2860	911	---	4420	---	6860	---	318	265	---
TOTAL	608	1743	29184	33463	121503	67915	163765	208390	36455	11430	6304	5793
MEAN	19.6	58.1	941	1079	4339	2191	5459	6722	1215	369	203	193
MAX	42	254	3980	2250	18300	4730	18900	24200	5790	895	537	504
MIN	15	17	71	662	637	566	846	1510	302	77	89	56
CFSM	.02	.06	1.04	1.19	4.80	2.42	6.04	7.44	1.34	.41	.23	.21
IN.	.03	.07	1.20	1.38	5.00	2.79	6.74	8.58	1.50	.47	.26	.24

CAL YR 1990	TOTAL	606264	MEAN	1661	MAX	21700	MIN	14	CFSM	1.84	IN	24.95
WTR YR 1991	TOTAL	686553	MEAN	1881	MAX	24200	MIN	15	CFSM	2.08	IN	28.25

02482000 PEARL RIVER AT EDINBURG, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.92	2.23	3.89	13.86	9.15	18.76	20.58	26.06	20.56	8.85	5.45	5.64
2	1.90	2.18	3.50	12.18	9.14	18.33	20.65	26.04	19.21	8.15	4.99	5.53
3	1.90	2.11	4.04	11.30	8.75	18.17	19.75	25.17	17.60	7.32	4.61	5.38
4	1.96	2.04	5.68	10.66	8.43	18.79	18.29	23.87	15.55	6.77	4.81	5.26
5	2.12	1.98	5.29	9.96	8.75	19.32	16.24	22.56	13.52	7.48	5.19	5.10
6	2.40	2.01	5.34	9.35	11.55	19.17	13.62	21.81	12.02	7.31	4.76	4.84
7	2.48	2.04	5.14	9.89	11.16	18.57	11.78	21.40	10.96	7.27	4.33	4.56
8	2.29	2.03	4.72	9.74	11.05	---	11.16	21.99	10.01	7.19	4.02	4.28
9	2.16	2.29	4.30	9.46	10.55	---	10.33	22.28	8.93	7.23	3.87	4.00
10	2.07	4.25	3.92	9.98	10.29	---	9.42	22.26	7.94	6.84	3.81	3.85
11	2.02	3.95	3.65	10.70	10.31	---	8.68	22.15	7.12	6.20	4.64	3.81
12	2.00	3.46	3.52	10.48	10.27	---	10.61	21.56	6.43	5.84	5.98	3.67
13	1.99	3.05	3.39	10.34	9.88	---	14.95	20.87	6.20	5.71	7.17	3.53
14	2.00	2.85	3.29	9.94	9.21	---	20.11	20.05	6.60	5.62	7.40	3.43
15	1.98	2.74	3.19	9.65	8.44	---	22.34	18.93	6.95	5.36	6.48	3.34
16	1.97	2.62	3.10	9.56	7.69	---	24.67	17.51	7.02	4.95	5.51	3.28
17	1.95	2.45	3.04	9.36	7.26	---	25.26	15.78	7.44	4.58	5.34	3.18
18	1.94	2.34	3.12	9.01	11.48	---	24.85	14.35	7.88	4.75	5.35	3.11
19	1.94	2.29	3.20	8.80	18.33	8.79	23.85	13.56	8.05	4.61	5.58	3.19
20	1.93	2.28	3.32	8.49	20.29	8.86	22.49	13.15	7.80	4.24	5.19	3.13
21	1.92	2.33	3.45	8.13	23.71	8.53	20.90	13.07	8.01	4.11	4.66	3.07
22	1.94	2.36	9.90	7.80	25.14	8.23	19.37	12.91	8.81	3.94	4.17	3.00
23	2.00	2.40	12.65	7.40	24.92	8.00	17.75	12.33	9.37	3.78	3.86	3.32
24	2.04	2.46	11.38	7.52	24.23	7.74	15.87	11.96	9.72	3.71	3.64	4.21
25	2.06	2.47	11.36	7.83	23.38	7.46	13.87	12.49	10.06	5.12	3.58	7.04
26	2.04	2.47	13.19	7.76	22.28	7.21	12.25	14.84	9.43	9.28	3.74	6.60
27	2.00	2.47	16.76	7.91	21.01	7.04	11.78	18.38	8.38	8.81	3.91	6.53
28	1.98	3.12	18.05	7.90	19.65	7.18	13.72	19.64	8.17	8.84	3.99	6.42
29	1.95	4.78	18.00	7.78	---	13.95	19.78	21.33	8.57	7.77	4.21	6.40
30	1.96	4.36	17.15	8.49	---	16.00	23.90	21.99	8.93	6.75	4.39	6.22
31	2.05	---	15.74	8.68	---	18.81	---	21.53	---	6.04	5.35	---
MEAN	2.03	2.68	7.30	9.35	14.15	---	17.29	19.09	9.91	6.27	4.84	4.50
MAX	2.48	4.78	18.05	13.86	25.14	---	25.26	26.06	20.56	9.28	7.40	7.04
MIN	1.90	1.98	3.04	7.40	7.26	---	8.68	11.96	6.20	3.71	3.58	3.00

CAL YR 1990 MEAN 8.19 MAX 25.68 MIN 1.90

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 south of Carthage, 4.0 mi downstream from Lobutch Creek, 10.8 mi upstream from Tuscolameta Creek, and at mile 366.3.

DRAINAGE AREA.--1,346 mi².

PERIOD OF RECORD.--September 1962 to current year. Daily mean gage heights published since October 1971.

REVISED RECORDS.--WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 315.24 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Oct. 1-6, 11-16, Dec. 22 to Jan. 3. Records good except estimated daily discharges, which are poor. National Weather Service telemeter at station.

AVERAGE DISCHARGE.--29 years, 2,030 ft³/s, 20.48 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 102,000 ft³/s, Apr. 14, 1979, gage height 28.74 ft, minimum 31 ft³/s, Oct. 30, 1963, gage height, 2.36 ft, minimum gage height, 1.63 ft, July 2, 1988.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood in March 1902 reached a stage of about 27 ft, flood in 1900 reached a stage of 25.6 ft, flood in 1932 reached a stage of 24.3 ft, flood of Apr. 11, 1938, reached a stage of 23.3 ft, all from information by U. S. Army Corps of Engineers. Flood of Dec. 20, 1961, reached a stage of 25.4 ft, discharge, 31,900 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 32,900 ft³/s, May 2, gage height, 24.48, minimum, 62 ft³/s, Oct. 19, 20, and 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70	68	276	4400	1510	8830	7590	28900	9220	1040	622	493
2	67	74	253	3650	1530	8690	7860	32300	7900	961	503	492
3	66	74	325	3100	1420	8940	8140	28500	6620	809	426	462
4	68	72	519	2570	1270	8880	7800	22800	5290	691	375	410
5	71	72	494	2260	1260	8760	6770	18200	3760	698	386	373
6	76	74	468	1960	2110	7960	5360	15300	2590	735	401	344
7	81	76	450	1980	2450	7390	4120	11800	1950	745	353	313
8	88	79	402	2100	2380	6810	2950	11100	1590	734	310	285
9	85	137	350	1820	2240	6110	2480	12000	1300	697	279	266
10	77	269	302	1930	2090	5230	2180	2300	1030	680	260	258
11	74	295	263	2560	1970	4250	1830	12400	822	594	260	238
12	72	257	234	2480	1770	3330	1790	12600	659	509	393	227
13	70	225	217	2290	1610	2630	4480	12000	564	466	501	219
14	69	185	207	2090	1470	2200	8150	9910	529	441	624	205
15	67	156	198	1900	1300	1860	16000	8320	822	422	608	192
16	66	140	190	1710	1120	1570	19900	7120	1020	393	469	184
17	65	126	181	1590	1000	1440	21400	5880	1040	355	384	178
18	66	113	175	1470	1110	1560	23700	4600	1120	324	365	170
19	63	102	175	1400	3830	1510	21500	3710	1190	397	369	199
20	62	99	183	1350	8790	1460	17400	3190	1000	346	383	252
21	62	97	191	1240	13300	1370	12500	2930	966	310	337	212
22	65	97	450	1140	16800	1250	9270	2880	1020	294	289	182
23	68	102	1200	1040	21400	1160	7230	2740	1060	277	253	170
24	72	109	2600	1030	24200	1130	5660	2550	1120	267	228	208
25	74	110	2350	1210	21200	1060	4430	2490	1210	360	211	643
26	72	108	2500	1170	16900	973	3360	2980	1290	777	214	1010
27	70	107	3100	1150	13300	919	3620	4330	1150	1580	229	806
28	69	199	4200	1150	10400	915	5500	6440	1010	1800	251	660
29	68	310	5300	1110	---	3290	12100	11500	1030	1650	255	565
30	68	313	5700	1290	---	5220	23600	11600	1070	1120	309	510
31	67	---	5300	1520	---	7100	---	10500	---	808	417	---
TOTAL	2178	4245	38753	57660	179730	123797	278670	333870	60942	21280	11264	10726
MEAN	70.3	142	1250	1860	6419	3993	9289	10770	2031	686	363	358
MAX	88	313	5700	4400	24200	8940	23700	32300	9220	1800	624	1010
MIN	62	68	175	1030	1000	915	1790	2490	529	267	211	170
CFSM	.05	.11	.93	1.38	4.77	2.97	6.90	8.00	1.51	.51	.27	.27
IN.	.06	.12	1.07	1.59	4.97	3.42	7.70	9.23	1.68	.59	.31	.30
CAL YR 1990	TOTAL	938961	MEAN	2572	MAX	27500	MIN	62	CFSM	1.91	IN	25.95
WTR YR 1991	TOTAL	1123115	MEAN	3077	MAX	32300	MIN	62	CFSM	2.29	IN	31.04

PEARL RIVER BASIN

02482550 PEARL RIVER NEAR CARTHAGE, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	2.49	4.43	---	9.40	18.88	18.02	23.87	19.36	8.78	6.70	6.32
2	---	2.57	4.27	---	9.45	18.79	18.17	24.40	18.43	8.50	6.17	6.32
3	---	2.57	4.73	---	9.15	18.98	18.33	24.06	17.35	7.93	5.79	6.17
4	---	2.54	5.83	11.69	8.72	18.96	18.07	23.37	16.07	7.45	5.47	5.87
5	---	2.55	5.71	11.08	8.68	18.88	17.20	22.61	14.26	7.46	5.57	5.63
6	---	2.57	5.58	10.45	10.77	18.33	15.80	21.89	12.47	7.59	5.68	5.42
7	2.66	2.60	5.48	10.50	11.46	17.90	14.17	20.63	11.26	7.62	5.37	5.20
8	2.75	2.63	5.21	10.74	11.31	17.41	12.35	20.31	10.45	7.56	5.07	4.98
9	2.72	3.25	4.91	10.14	11.04	16.78	11.50	20.77	9.71	7.39	4.85	4.84
10	2.61	4.37	4.60	10.38	10.73	15.86	10.91	20.90	8.96	7.30	4.72	4.77
11	---	4.55	4.34	11.66	10.48	14.58	10.15	20.94	8.28	6.91	4.74	4.61
12	---	4.30	4.13	11.52	10.02	13.21	10.03	21.03	7.68	6.50	5.72	4.52
13	---	4.06	3.99	11.14	9.65	12.03	14.68	20.73	7.30	6.27	6.33	4.44
14	---	3.74	3.91	10.73	9.28	11.20	18.16	19.64	7.12	6.12	6.92	4.32
15	---	3.48	3.84	10.31	8.79	10.49	21.90	18.62	8.30	5.99	6.85	4.21
16	---	3.32	3.77	9.90	8.24	9.83	22.79	17.60	9.00	5.78	6.19	4.13
17	2.45	3.19	3.70	9.60	7.83	9.49	23.02	16.43	9.04	5.51	5.70	4.07
18	2.46	3.04	3.65	9.29	8.11	9.83	23.31	15.03	9.27	5.26	5.57	3.99
19	2.42	2.93	3.65	9.09	13.61	9.72	23.04	13.89	9.45	5.75	5.60	4.26
20	2.40	2.89	3.72	8.94	18.73	9.59	22.28	13.13	8.86	5.38	5.69	4.72
21	2.41	2.87	3.79	8.62	21.06	9.35	20.74	12.73	8.72	5.10	5.37	4.39
22	2.44	2.87	---	8.30	22.18	9.01	19.09	12.65	8.88	4.96	5.02	4.11
23	2.49	2.93	---	7.98	23.00	8.74	17.59	12.42	8.98	4.81	4.73	4.00
24	2.54	3.00	---	7.94	23.37	8.67	16.13	12.09	9.14	4.72	4.52	4.34
25	2.57	3.01	---	8.52	23.00	8.43	14.61	11.97	9.40	5.39	4.38	6.92
26	2.55	2.99	---	8.40	22.23	8.14	13.03	12.79	9.61	7.23	4.40	8.37
27	2.51	2.97	---	8.34	21.11	7.90	13.44	14.70	9.18	9.81	4.53	7.65
28	2.50	3.79	---	8.33	19.84	7.83	15.67	16.92	8.73	10.33	4.71	7.08
29	2.49	4.65	---	8.19	---	12.88	20.30	20.52	8.79	9.94	4.75	6.66
30	2.48	4.68	---	8.75	---	15.82	23.27	20.60	8.90	8.47	5.16	6.40
31	2.48	---	---	9.41	---	17.64	---	20.03	---	7.43	5.90	---
MEAN	---	3.25	---	---	13.62	13.07	17.26	18.30	10.43	6.94	5.42	5.29
MAX	---	4.68	---	---	23.37	18.98	23.31	24.40	19.36	10.33	6.92	8.37
MIN	---	2.49	---	---	7.83	7.83	10.03	11.97	7.12	4.72	4.38	3.99

02483000 TUSCOLAMETA CREEK AT WALNUT GROVE, MS

LOCATION.--Lat 32°35'18", long 89°27'54", in NW4 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 southwest of Walnut Grove, 0.6 mi upstream from Illinois Central and Gulf Railroad bridge, 7.5 mi upstream from junction of north and south drainage canals, and 15.5 mi upstream from mouth.

DRAINAGE AREA.--411 mi², 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. Datum of gages is 322.70 ft above National Geodetic Vertical Datum of 1929 (levels by U. S. Army Corps of Engineers). 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 upstream at same datum. Water-stage recorder, on south canal right bank at upstream side of bridge on State Highway 35, 1 mi 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 downstream, at same datum. Prior to Oct. 1, 1971, at datum 10.00 ft higher.

REMARKS.--Estimated daily discharges: Nov. 14-20, Dec. 2-4, Dec. 29 - Jan. 4, June 5-13, and Aug. 19-26. Records good except for estimated daily discharges, which are poor. Discharge computed by combining flow of individually rated channels. National Weather Service telemeter and satellite telemeter at station.

AVERAGE DISCHARGE.--53 years, 554 ft³/s, 18.30 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 34,600 ft³/s, Jan. 7, 1950, gage height, 33.00 ft present datum, north canal, at site 0.2 miles upstream, maximum gage height, south canal, 31.53 ft, Jan. 7, 1950, present datum, at site 1,800 ft downstream, minimum discharge, 2.4 ft³/s, Oct. 2, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Prior to canalization, creek reached a stage of 34.5 ft present datum, from floodmark, believed to be flood of April 1900.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 21	2015	10,100	27.51	May 1	0015	13,200	28.18
Mar. 30	1830	11,400	27.79	May 5	1715	4,790	25.71
Apr. 15	2345	*14,900	*28.47				

Minimum daily discharge, 16 ft³/s, Oct. 1-2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	21	73	241	1470	826	5310	11900	1430	99	63	504
2	16	22	141	197	900	2300	1320	7570	674	79	56	217
3	18	24	401	215	412	3380	467	3530	374	90	49	149
4	22	24	560	308	297	3500	345	2280	263	129	44	114
5	26	28	348	324	436	2740	293	3340	214	630	43	73
6	32	29	169	236	1570	1320	258	3810	177	801	54	51
7	24	35	113	243	1590	621	241	2790	160	570	47	40
8	22	33	98	303	1080	403	238	2090	142	716	54	36
9	23	83	85	274	611	311	235	2750	130	594	50	45
10	22	183	68	473	355	254	228	2690	123	236	43	48
11	21	117	64	1050	285	218	241	2130	117	147	165	46
12	21	63	55	1000	226	209	1380	1670	111	99	540	37
13	21	42	49	611	194	225	4010	1210	112	76	277	32
14	20	33	49	327	181	229	6360	801	121	63	82	30
15	20	32	47	238	167	192	11900	491	104	53	55	28
16	19	30	47	233	149	172	13200	446	94	48	47	29
17	18	30	46	224	146	343	8210	464	95	45	41	30
18	20	30	43	196	292	827	3970	324	140	41	38	30
19	19	32	61	302	2170	631	1180	332	111	89	36	33
20	18	34	77	702	5220	380	1820	525	94	129	33	91
21	18	38	72	572	8660	275	1740	540	146	90	30	49
22	19	36	256	333	9120	225	1130	380	366	55	28	34
23	22	40	1430	222	7000	204	1430	305	396	44	27	26
24	27	47	1410	363	5950	177	1580	330	219	39	28	56
25	22	46	971	1150	3450	155	1030	445	250	64	28	245
26	22	41	488	1000	1080	136	556	1520	383	158	30	320
27	18	37	237	649	548	128	2120	2430	229	272	40	165
28	19	108	188	414	405	187	4520	2720	158	190	46	92
29	20	198	198	402	---	3500	8070	2030	146	118	44	63
30	20	137	194	1160	---	8690	12400	1580	129	91	64	46
31	22	---	246	1810	---	9070	---	1830	---	76	955	---
TOTAL	647	1653	8284	15772	53964	41828	95782	65253	7208	5931	3137	2759
MEAN	20.9	55.1	267	509	1927	1349	3193	2105	240	191	101	92.0
MAX	32	198	1430	1810	9120	9070	13200	11900	1430	801	955	504
MIN	16	21	43	196	146	128	228	305	94	39	27	26
CFSM	.05	.13	.65	1.24	4.69	3.28	7.77	5.12	.58	.47	.25	.22
IN.	.06	.15	.75	1.43	4.88	3.79	8.67	5.91	.65	.54	.28	.25

CAL YR 1990	TOTAL	327974	MEAN 899	MAX 23300	MIN 13	CFSM 2.19	IN 29.69
WTR YR 1991	TOTAL	302218	MEAN 828	MAX 13200	MIN 16	CFSM 2.02	IN 27.35

02483000 TUSCOLAMETA CREEK AT WALNUT GROVE, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.96	11.03	11.77	12.84	17.68	15.79	25.81	27.93	17.69	11.86	11.54	15.01
2	10.95	11.06	---	12.49	15.34	21.23	18.53	26.83	15.24	11.65	11.41	13.30
3	11.00	11.09	---	12.52	13.51	24.13	14.33	24.08	13.71	11.81	11.32	12.81
4	11.07	11.08	---	13.23	13.01	24.58	13.61	21.85	13.10	11.92	11.24	12.36
5	11.14	11.15	13.45	12.99	13.72	22.90	13.29	23.86	---	13.38	11.21	11.90
6	11.16	11.17	12.62	12.61	18.53	17.91	13.06	25.01	---	14.27	11.29	11.62
7	11.06	11.27	12.27	12.79	17.97	14.99	12.91	23.22	---	13.91	11.29	11.47
8	11.05	11.24	12.12	13.07	15.74	14.05	12.91	21.16	---	14.44	11.48	11.37
9	11.06	11.59	11.95	12.78	14.16	13.55	12.87	22.77	---	13.76	11.43	11.46
10	11.05	12.29	11.75	13.93	13.18	13.20	12.74	22.21	---	12.69	11.29	11.50
11	11.03	11.91	11.69	15.86	12.81	12.98	12.69	20.42	---	12.25	11.53	11.55
12	11.02	11.51	11.59	15.36	12.56	12.87	17.35	19.00	---	11.86	13.37	11.40
13	11.03	11.35	11.53	13.99	12.40	13.01	25.17	17.56	---	11.64	12.62	11.32
14	11.02	11.26	11.51	13.06	12.35	13.06	26.31	15.88	12.01	11.47	11.70	11.30
15	11.01	11.23	11.50	12.64	12.26	12.80	27.86	14.40	11.83	11.34	11.47	11.23
16	11.00	11.21	11.47	12.69	12.09	12.63	28.17	13.96	11.73	11.24	11.38	11.26
17	10.99	11.22	11.48	12.62	12.04	13.59	27.02	13.58	11.72	11.18	11.30	11.29
18	11.01	11.22	11.42	12.37	13.05	15.61	24.46	13.20	12.14	11.13	11.25	11.30
19	11.02	11.24	11.63	12.90	19.98	14.92	17.61	13.21	11.83	11.10	11.18	11.36
20	10.98	11.25	11.81	14.32	25.80	13.86	19.16	14.71	11.74	11.46	11.13	12.30
21	10.98	11.27	11.81	13.72	27.09	13.31	18.28	14.96	11.70	11.48	11.08	11.65
22	11.01	11.29	12.91	12.89	27.29	13.00	15.89	13.91	13.09	11.29	11.02	11.37
23	11.03	11.39	17.95	12.47	26.64	12.88	17.83	13.44	13.75	11.19	11.00	11.22
24	11.06	11.47	17.52	13.16	26.24	12.67	18.07	13.62	12.74	11.13	10.98	11.49
25	11.04	11.40	15.97	16.52	23.97	12.49	15.73	14.55	12.70	11.49	11.00	13.07
26	11.06	11.32	13.79	15.54	17.18	12.33	14.24	19.35	13.28	12.75	11.04	13.83
27	10.99	11.32	12.76	14.15	14.64	12.24	20.49	22.06	12.69	13.56	11.34	12.74
28	11.00	11.83	12.46	13.45	14.01	12.76	25.04	22.43	12.33	12.76	11.30	12.14
29	11.03	12.78	12.55	13.28	---	23.28	26.89	20.47	12.25	12.12	11.35	11.81
30	11.02	12.38	12.48	16.85	---	26.97	28.02	19.13	12.13	11.89	11.43	11.59
31	11.03	---	12.93	19.29	---	27.25	---	19.84	---	11.72	17.29	---
MEAN	11.03	11.43	---	13.75	16.97	16.03	19.21	18.99	---	12.12	11.59	11.93
MAX	11.16	12.78	---	19.29	27.29	27.25	28.17	27.93	---	14.44	17.29	15.01
MIN	10.95	11.03	---	12.37	12.04	12.24	12.69	13.20	---	11.10	10.98	11.22

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, 2.0 mi south of Kosciusko.

DRAINAGE AREA.--303 mi².

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

REVISED RECORDS.--WSP 1504: 1946. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is above 374.34 ft above National Geodetic Vertical Datum of 1929, (levels by U. S. Army Corps of Engineers). Prior to Mar. 28, 1939, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: Nov. 12-30. Records good except for estimated daily discharges, which are poor. Telemeter and satellite telemeter at station.

AVERAGE DISCHARGE.--53 years, 457 ft³/s, 20.48 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,700 ft³/s, Apr. 13, 1979, gage height, 23.06 ft, minimum discharge, 2.3 ft³/s, Aug. 20-24, 1943, minimum gage height, 0.10 ft, Sept. 3-6, 1939.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in December 1932 reached a stage of about 17 ft, from information by U. S. Army Corps of Engineers.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 25	1600	6,790	15.03	Apr. 30	1700	13,200	17.45
Feb. 21	0100	10,200	16.46	May 6	1400	3,190	12.85
Mar. 5	1500	3,360	12.99	May 10	1900	3,930	13.40
Mar. 31	1400	6,160	14.72	May 28	1600	*14,300	*17.80
Apr. 16	1400	8,740	15.89				

Minimum discharge, 8.2 ft³/s, Oct. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.9	19	41	1540	306	618	4450	11300	1000	65	42	254
2	9.3	22	35	1410	228	1570	1930	6760	331	59	36	113
3	9.3	74	178	1090	195	2640	510	3430	213	51	37	73
4	15	75	316	834	184	3290	309	1530	160	182	70	52
5	43	28	136	674	300	3320	251	1410	126	684	40	46
6	41	22	69	430	942	2680	222	2950	102	498	31	53
7	26	22	51	523	1330	1270	208	2460	90	151	31	40
8	18	24	44	658	1070	484	312	2390	80	84	37	32
9	14	28	38	482	517	341	480	3510	72	67	32	39
10	13	33	34	543	335	280	422	3830	65	59	56	47
11	13	62	32	965	263	250	320	3470	61	52	43	43
12	13	60	31	1130	216	232	279	2130	60	45	35	33
13	14	46	30	750	193	249	904	1220	64	45	29	30
14	17	31	29	407	198	242	3260	616	601	45	27	27
15	17	25	29	315	180	213	6400	363	799	43	26	25
16	14	22	30	312	148	193	8340	356	269	36	25	23
17	13	20	32	281	159	230	6840	287	131	33	24	22
18	13	19	35	230	1040	380	3880	308	229	35	62	25
19	15	19	44	234	5270	331	1870	477	200	32	79	232
20	14	19	48	243	8630	251	981	518	100	31	47	50
21	15	20	278	224	9560	212	555	520	79	44	36	29
22	15	21	756	190	6960	206	402	368	69	36	27	25
23	17	23	3850	168	5400	270	414	262	89	31	24	25
24	17	26	5900	199	4280	285	371	294	127	30	22	216
25	18	26	6440	296	3300	216	288	298	149	285	22	811
26	17	26	5280	261	1990	181	236	684	227	1020	26	471
27	16	28	2680	223	896	167	424	4110	315	430	40	172
28	15	42	1050	221	465	179	3280	13100	146	216	42	73
29	16	62	851	237	---	2650	7770	9480	95	153	45	53
30	15	50	927	347	---	5170	12500	4660	74	74	119	45
31	16	---	1420	416	---	5900	---	2350	---	54	390	---
TOTAL	517.5	994	30714	15833	54555	34500	68408	85441	6123	4670	1602	3179
MEAN	16.7	33.1	991	511	1948	1113	2280	2756	204	151	51.7	106
MAX	43	75	6440	1540	9560	5900	12500	13100	1000	1020	390	811
MIN	8.9	19	29	168	148	167	208	262	60	30	22	22
CFSM	.06	.11	3.27	1.69	6.43	3.67	7.53	9.10	.67	.50	.17	.35
IN.	.06	.12	3.77	1.94	6.70	4.24	8.40	10.49	.75	.57	.20	.39

CAL YR 1990	TOTAL	228909.0	MEAN 627	MAX 6440	MIN 8.9	CFSM 2.07	IN 28.10
WTR YR 1991	TOTAL	306536.5	MEAN 840	MAX 13100	MIN 8.9	CFSM 2.77	IN 37.63

PEARL RIVER BASIN

02484500 YOCKANOOKANY RIVER NEAR OFAHOMA, MS

LOCATION.--Lat 32°42'20", long 89°40'20", in NE¼NW¼ sec.22, T.10 N., R.6 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, near center of main span on downstream side of bridge on State Highway 16, 1.5 mi east of Ofahoma, 3.5 mi upstream from mouth, and 8.5 mi southwest of Carthage.

DRAINAGE AREA.--469 mi².

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. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 306.15 ft above National Geodetic Vertical Datum of 1929 (levels by U. S. Army Corps of Engineers). Prior to June 10, 1988, at datum 5.00 ft. higher. Prior to Sept. 5, 1962, nonrecording gage at same site.

REMARKS.--Estimated daily discharges: Dec. 8 - 13, Jan. 18 - 25. Records good except for estimated daily discharges, which are poor. National Weather Service telemeter and satellite telemeter at station.

AVERAGE DISCHARGE.--48 years, 709 ft³/s, 20.52 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 46,500 ft³/s, Apr. 14, 1979, gage height, 28.27 ft, minimum, 4.9 ft³/s, Aug. 20, Sept. 11, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,700 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 23	1830	7,180	21.88	Apr. 18	1015	8,630	22.33
Feb. 22	2200	11,000	22.96	May 2	0630	*13,200	*23.48
Apr. 2	1215	5,020	20.90	May 30	0715	12,500	23.32

Minimum discharge, 21 ft³/s, Oct. 21, Nov. 3, 4, 5, 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	22	93	1450	454	2090	4070	12300	4440	131	196	138
2	22	22	90	1340	459	2340	4930	12900	2760	103	132	293
3	22	21	81	1430	449	2770	4120	10500	1890	90	104	317
4	23	21	100	1580	371	2770	2710	7090	1250	84	100	239
5	24	21	167	1560	326	2650	1740	4900	646	81	87	157
6	25	22	230	1400	555	2680	997	4170	363	142	109	113
7	34	25	208	1250	593	2710	553	3340	261	362	92	95
8	51	28	148	1120	708	2540	448	3100	204	535	87	93
9	40	43	114	854	921	2030	444	3630	170	444	179	80
10	33	54	86	864	1110	1440	453	3210	144	211	144	67
11	28	83	76	1170	1100	875	484	3070	128	133	101	64
12	26	113	67	1090	763	534	663	3550	117	107	103	75
13	24	112	57	1040	502	430	1940	3490	113	94	93	72
14	24	78	51	1020	359	364	3240	2680	105	82	77	63
15	24	59	51	1080	292	339	6550	1970	113	74	67	58
16	24	43	50	987	265	313	7130	1500	277	73	61	53
17	24	36	50	719	245	311	7350	1060	430	70	58	50
18	24	32	51	643	309	347	8490	970	532	63	58	48
19	23	30	54	595	1760	359	7080	778	344	57	58	90
20	22	29	58	548	4600	395	4920	548	272	54	84	71
21	22	29	67	500	7630	398	3210	538	253	56	116	176
22	23	29	1150	410	10000	349	2190	573	166	53	88	120
23	23	31	6040	381	10400	307	1610	613	122	54	71	72
24	24	33	6130	333	7820	292	1160	617	103	56	60	95
25	24	33	4760	319	5550	302	819	533	112	49	53	223
26	24	33	4690	329	4240	309	638	730	143	49	50	337
27	23	39	5090	359	3310	272	880	1080	163	128	49	598
28	23	49	5030	356	2530	237	1790	1050	214	451	54	755
29	23	54	3610	320	---	1670	6560	4130	269	707	63	545
30	23	61	2480	401	---	3210	12100	11800	199	601	77	236
31	22	---	1830	486	---	2930	---	7820	---	349	84	---
TOTAL	793	1285	42759	25934	67621	38563	99269	114240	16303	5543	2755	5393
MEAN	25.6	42.8	1379	837	2415	1244	3309	3685	543	179	88.9	180
MAX	51	113	6130	1580	10400	3210	12100	12900	4440	707	196	755
MIN	22	21	50	319	245	237	444	533	103	49	49	48
CFSM	.06	.09	2.94	1.79	5.15	2.65	7.06	7.86	1.16	.38	.19	.38
IN.	.06	.10	3.39	2.06	5.36	3.06	7.87	9.06	1.29	.44	.22	.43
CAL YR 1990	TOTAL	304459	MEAN	834	MAX	6130	MIN	21	CFSM	1.78	IN	24.15
WTR YR 1991	TOTAL	420458	MEAN	1152	MAX	12900	MIN	21	CFSM	2.46	IN	33.35

02484500 YOCKANOOKANY RIVER NEAR OFAHOMA, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.36	5.33	6.60	14.37	9.59	16.54	20.02	23.27	20.32	7.26	7.59	6.95
2	5.35	5.32	6.57	13.96	9.62	17.21	20.82	23.42	18.08	6.98	6.93	8.44
3	5.35	5.32	6.45	14.29	9.56	18.13	20.06	22.84	15.93	6.81	6.59	8.63
4	5.38	5.30	6.71	14.88	9.03	18.13	17.97	21.83	13.55	6.72	6.53	7.99
5	5.40	5.31	7.43	14.78	8.70	17.89	15.42	20.78	10.70	6.68	6.36	7.20
6	5.42	5.32	7.98	14.19	10.20	17.97	12.46	20.14	8.96	7.27	6.65	6.70
7	5.63	5.38	7.79	13.60	10.44	18.03	10.19	19.12	8.25	8.95	6.43	6.46
8	5.98	5.48	---	13.02	11.07	17.64	9.55	18.73	7.86	10.09	6.35	6.45
9	5.77	5.79	---	11.82	12.14	16.37	9.52	19.52	7.59	9.50	7.44	6.26
10	5.61	6.00	---	11.85	13.00	14.33	9.58	18.92	7.37	7.82	7.06	6.05
11	5.50	6.47	---	13.25	12.96	11.90	9.78	18.68	7.23	7.11	6.54	6.01
12	5.44	6.87	---	12.90	11.36	10.08	10.78	19.42	7.13	6.81	6.57	6.19
13	5.40	6.86	---	12.70	9.88	9.43	16.05	19.33	7.09	6.65	6.44	6.13
14	5.39	6.40	5.96	12.61	8.94	8.98	18.80	17.93	7.00	6.48	6.21	5.99
15	5.38	6.09	5.95	12.88	8.43	8.79	21.63	16.19	7.08	6.36	6.05	5.91
16	5.38	5.81	5.93	12.45	8.22	8.60	21.86	14.56	8.36	6.34	5.96	5.83
17	5.40	5.65	5.93	11.12	8.05	8.59	21.93	12.78	9.42	6.30	5.90	5.76
18	5.39	5.57	5.95	---	8.44	8.85	22.29	12.37	10.07	6.18	5.91	5.72
19	5.36	5.53	6.01	---	15.30	8.95	21.84	11.43	8.83	6.08	5.90	6.36
20	5.34	5.50	6.07	---	20.42	9.20	20.77	10.17	8.32	6.03	6.29	6.11
21	5.33	5.49	6.23	---	22.02	9.22	18.87	10.11	8.20	6.06	6.74	7.40
22	5.35	5.50	12.24	---	22.72	8.87	16.80	10.32	7.55	6.01	6.37	6.78
23	5.36	5.54	21.22	---	22.81	8.56	14.99	10.55	7.17	6.02	6.12	6.13
24	5.39	5.60	21.48	---	22.08	8.43	13.21	10.58	6.98	6.06	5.93	6.45
25	5.38	5.59	20.67	---	21.20	8.51	11.65	10.08	7.07	5.94	5.82	7.82
26	5.37	5.59	20.62	8.73	20.21	8.57	10.69	11.13	7.37	5.94	5.76	8.77
27	5.35	5.73	20.94	8.94	19.05	8.27	11.91	12.87	7.54	6.91	5.75	10.45
28	5.36	5.92	20.88	8.92	17.61	7.97	15.35	12.74	7.93	9.54	5.83	11.32
29	5.37	6.01	19.45	8.65	---	14.63	21.29	17.74	8.30	11.07	5.98	10.13
30	5.35	6.12	17.50	9.22	---	18.90	23.23	23.16	7.81	10.47	6.21	7.95
31	5.34	---	15.74	9.79	---	18.43	---	22.06	---	8.86	6.32	---
MEAN	5.43	5.75	---	---	13.68	12.45	16.31	16.54	9.17	7.27	6.34	7.14
MAX	5.98	6.87	---	---	22.81	18.90	23.23	23.42	20.32	11.07	7.59	11.32
MIN	5.33	5.30	---	---	8.05	7.97	9.52	10.08	6.98	5.94	5.75	5.72

02484630 PEARL RIVER AT COAL BLUFF NEAR RATLIFF, MS

LOCATION.--Lat 32°35'25", long 89°46'49", in NW4 sec.34, T.9 N., R.5 E., Choctaw Meridian, Scott County, Hydrologic Unit 03180002, on left bank at Coal Bluff Park, 0.5 mi upstream from Sycamore Creek and 1.8 mi northeast of Ratliff.

DRAINAGE AREA.--2,595 mi².

PERIOD OF RECORD.--January 1981 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 290.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--National Weather Service telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 24.49 ft, May 23, 1983, minimum, 3.82 ft, Oct. 1, 1988.

EXTREMES OUTSIDE PERIOD OF RECORD.--A gage height of approximately 26.5 ft occurred Apr. 15, 1979 as reported by Park Ranger.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 23.11 ft, May 4, minimum, 5.80 ft, Nov. 7-8.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.51	6.03	5.99	10.80	---	15.86	17.50	22.40	18.50	7.67	7.53	8.03
2	6.54	6.02	6.02	10.16	---	15.49	18.32	22.72	16.59	7.70	7.47	7.86
3	6.59	6.00	6.11	9.48	---	16.37	17.42	22.94	14.40	7.70	7.44	7.79
4	6.60	6.02	6.10	9.00	6.80	17.01	15.21	22.94	12.51	7.58	7.42	7.76
5	6.58	6.07	6.27	8.85	6.74	16.91	13.22	22.57	11.02	7.61	7.40	7.70
6	6.57	5.98	6.21	8.54	7.52	16.33	11.75	21.80	9.69	7.76	7.37	7.67
7	6.57	5.96	6.11	8.18	8.81	15.14	10.28	21.07	8.60	7.92	7.38	7.68
8	6.57	5.91	6.04	8.15	9.03	13.64	9.01	19.73	8.07	7.98	7.36	7.70
9	6.55	6.03	6.02	8.00	8.66	12.62	8.04	18.89	7.85	8.05	7.37	7.72
10	6.44	6.09	6.00	7.75	8.24	11.67	7.51	18.71	7.80	7.84	7.34	7.74
11	6.39	6.13	5.98	8.64	7.94	10.56	7.27	18.51	7.77	7.66	7.30	7.76
12	6.40	6.15	5.98	9.42	7.66	9.38	7.41	18.29	7.70	7.62	7.28	7.76
13	6.39	6.14	5.99	9.25	7.34	8.43	10.64	18.02	7.61	7.55	7.36	7.81
14	6.38	6.12	5.98	8.60	6.99	7.73	14.68	17.36	7.57	7.52	7.37	7.76
15	6.38	6.12	6.01	8.18	6.72	7.28	18.86	15.83	7.58	7.48	7.40	7.75
16	6.36	6.12	5.98	7.92	6.51	6.95	21.19	14.16	7.72	7.42	7.50	7.76
17	6.36	6.06	6.05	7.64	6.49	6.82	21.58	12.89	7.81	7.41	7.54	7.83
18	6.28	6.08	6.07	7.33	6.52	6.98	21.60	11.88	7.86	7.43	7.53	7.91
19	6.28	6.08	6.00	7.10	8.49	7.37	21.48	10.80	7.86	7.48	7.50	7.96
20	6.28	6.06	6.06	7.16	13.28	7.32	21.11	9.87	7.76	7.54	7.51	8.06
21	6.27	6.06	6.11	7.40	17.54	7.14	20.21	9.30	7.77	7.50	7.53	7.95
22	6.26	6.06	6.43	7.28	20.10	7.07	18.40	8.80	7.81	7.48	7.54	8.05
23	6.26	6.06	9.15	7.20	21.37	6.87	15.95	8.70	7.79	7.46	7.55	8.32
24	6.25	6.06	13.13	---	21.58	6.76	13.77	8.61	7.77	7.46	7.55	8.61
25	6.19	6.04	15.06	---	21.48	6.70	12.22	8.55	7.76	7.48	7.54	8.91
26	6.13	6.04	15.98	---	21.08	6.68	10.56	8.82	7.82	7.53	7.54	9.30
27	6.10	6.06	15.47	---	20.03	6.66	10.34	10.32	7.81	7.65	7.48	9.53
28	6.08	6.07	14.20	---	17.94	6.48	12.76	11.65	7.76	7.93	7.63	9.62
29	6.06	6.01	13.03	---	---	8.55	17.59	12.95	7.72	8.11	7.71	9.64
30	6.06	6.01	12.03	---	---	13.76	21.56	17.33	7.70	8.00	7.75	9.60
31	6.05	---	11.37	---	---	15.95	---	19.57	---	7.71	7.81	---
MEAN	6.35	6.05	8.16	---	---	10.40	14.91	15.68	9.00	7.65	7.48	8.18
MAX	6.60	6.15	15.98	---	---	17.01	21.60	22.94	18.50	8.11	7.81	9.64
MIN	6.05	5.91	5.98	---	---	6.48	7.27	8.55	7.57	7.41	7.28	7.67

02485700 HANGING MOSS CREEK AT JACKSON, MS

LOCATION.--Lat 32°21'57", long 90°08'57", in NE¼ sec.13, T.6 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, on left bank of Hanging Moss Creek, 600 ft east of Old Canton Road, at Parham Bridges Park, 0.7 mi upstream from Whiteoak Creek, and 1.4 mi upstream from the mouth.

DRAINAGE AREA.--16.8 mi².

PERIOD OF RECORD.--October 1952 to September 1980 (annual maximums only). October 1980 to current year.

REVISED RECORDS.--WDR MS-85-1: 1984, WDR MS-90-1: 1983.

GAGE.--Water-stage recorder. Datum of gage is 260.00 ft above National Geodetic Vertical Datum of 1929. Prior to July 11, 1980, at datum 1.33 ft higher, at site located 0.6 mi upstream at downstream side of bridge on frontage road, 100 ft downstream from U. S. Highway 51 (Interstate 55).

REMARKS.--Estimated daily discharges: Jan. 8-14, Feb. 3 to Mar. 5, Mar. 31 to Apr. 2, Apr. 12-13, and Apr. 15 to May 12, and June 21 to July 10. Records fair except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--11 years, 25.6 ft³/s, 20.69 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,320 ft³/s, Apr. 29, 1953, gage height, 26.0 ft, minimum, 0.01 ft³/s, Nov. 16, 1987 and Sept. 19, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,250 ft³/s, Apr. 28, gage height, 17.97 ft, minimum, .17 ft³/s, Dec. 6, 7, Aug. 13, 14, 15, 16, and Sept. 16, 17, 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.29	.29	.74	6.6	4.3	27	3.6	7.2	15	.51	.46	3.4
2	.29	.29	2.7	3.4	2.9	4.8	3.2	2.6	2.2	.84	.43	2.0
3	1.6	.27	101	70	2.4	4.4	2.8	208	1.1	160	.34	.45
4	4.6	.28	1.1	17	2.1	3.6	2.2	124	.78	12	.30	.27
5	1.4	5.9	.38	5.0	202	3.2	1.9	11	115	.84	.30	.23
6	.50	1.0	.21	3.1	57	6.4	1.7	4.4	209	.45	.36	.22
7	.34	.83	.93	61	12	4.0	8.3	3.4	5.9	.34	3.1	11
8	.31	.42	.55	12	5.7	3.0	6.2	230	2.5	.26	4.3	22
9	.34	56	.41	2.6	3.9	2.3	3.8	27	1.6	.23	.50	2.7
10	.42	2.7	.31	208	3.0	2.0	2.2	11	1.5	1.5	.55	.69
11	.33	.99	.27	7.2	2.4	1.6	44	4.4	27	.60	.47	.40
12	.32	.47	.57	2.6	2.0	2.6	162	.84	7.6	.51	.36	.30
13	.32	.39	1.3	1.5	1.6	2.4	94	3.7	3.6	2.1	.20	.29
14	.34	.39	.97	1.4	1.3	1.7	1180	30	1.8	1.6	.21	.30
15	.47	.53	.81	13	1.1	1.3	11	10	1.1	1.0	.20	.24
16	.57	.51	.84	6.7	.96	1.7	4.4	4.3	.74	1.1	.21	.20
17	.53	.48	.88	3.2	.84	9.3	3.6	21	1.5	1.1	.23	.20
18	.58	.45	1.0	10	.74	3.5	1.5	13	31	2.8	.25	.98
19	.47	.46	.34	26	14	2.4	18	3.8	3.8	9.6	.26	7.3
20	.41	.46	1.3	7.2	7.2	1.9	3.6	2.1	1.2	104	.26	1.3
21	2.2	.42	.63	4.0	27	1.7	29	1.9	162	2.3	.21	.45
22	1.5	1.6	367	2.5	2.0	1.4	27	1.4	2.6	1.2	.23	.32
23	.49	1.3	412	2.1	1.8	2.9	2.6	6.0	4.4	.98	.28	2.1
24	.29	.49	12	56	1.5	2.3	1.9	2.8	2.6	.66	.27	101
25	.24	.38	3.5	13	1.3	1.6	7.2	3.6	60	2.1	.30	42
26	.21	.42	2.2	5.2	1.2	1.4	1.7	32	1.5	6.8	1.4	3.0
27	.22	.45	2.3	4.6	1.1	1.2	162	7.0	.80	3.7	2.7	.84
28	.26	23	9.0	4.4	.88	167	1100	12	.58	.98	8.0	.46
29	.33	1.6	13	11	---	1030	1150	22	.45	.81	1.5	.37
30	.27	.65	165	56	---	26	40	29	.23	3.2	.83	.31
31	.26	---	96	9.6	---	6.5	---	10	---	2.5	1.3	---
TOTAL	20.70	103.42	1199.24	635.9	364.22	1331.1	4079.4	849.44	669.08	326.61	30.31	205.32
MEAN	.67	3.45	38.7	20.5	13.0	42.9	136	27.4	22.3	10.5	.98	6.84
MAX	4.6	56	412	208	202	1030	1180	230	209	160	8.0	101
MIN	.21	.27	.21	1.4	.74	1.2	1.5	.84	.23	.23	.20	.20
CFSM	.04	.21	2.30	1.22	.77	2.55	8.10	1.63	1.33	.63	.06	.41
IN.	.05	.23	2.66	1.41	.81	2.95	9.03	1.88	1.48	.72	.07	.45
CAL YR 1990	TOTAL	10604.03	MEAN	29.1	MAX	940	MIN	.21	CFSM	1.73	IN	23.48
WTR YR 1991	TOTAL	9814.74	MEAN	26.9	MAX	1180	MIN	.20	CFSM	1.60	IN	21.73

PEARL RIVER BASIN

02485700 HANGING MOSS CREEK AT JACKSON, MS

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.33	8.39	8.47	8.88	8.79	9.81	9.13	16.32	9.04	---	8.50	8.75
2	8.33	8.39	8.67	8.75	8.72	10.17	8.77	16.19	8.66	---	8.49	8.69
3	8.47	8.39	9.41	9.39	8.68	9.86	8.72	16.18	8.54	---	8.47	8.50
4	8.77	8.39	8.68	9.06	8.66	9.34	8.67	16.65	8.49	---	8.45	8.43
5	8.58	8.74	8.53	8.82	9.96	9.43	8.64	16.68	9.26	---	8.45	8.42
6	8.42	8.53	8.45	8.73	9.38	8.87	8.63	15.94	9.89	---	8.47	8.41
7	8.36	8.49	8.66	9.27	9.00	8.78	8.79	14.57	8.85	---	8.64	8.55
8	8.34	8.39	8.59	---	8.85	8.72	8.86	14.19	8.69	---	8.78	9.08
9	8.36	9.25	8.55	---	8.77	8.68	8.75	13.33	8.61	---	8.51	8.74
10	8.39	8.70	8.51	---	8.72	8.65	8.67	11.11	8.59	---	8.52	8.56
11	8.35	8.52	8.48	---	8.68	8.61	8.90	9.47	8.89	8.33	8.50	8.48
12	8.35	8.41	8.58	---	8.65	8.67	10.36	8.83	8.89	8.31	8.47	8.45
13	8.35	8.38	8.73	---	8.64	8.68	9.88	8.76	8.75	8.50	8.40	8.44
14	8.36	8.38	8.68	---	8.64	8.62	12.96	8.97	8.63	8.48	8.41	8.45
15	8.45	8.42	8.65	8.99	8.64	8.58	13.65	8.96	8.55	8.42	8.40	8.42
16	8.52	8.42	8.66	8.88	8.62	8.58	14.58	8.79	8.48	8.44	8.41	8.40
17	8.55	8.41	8.67	8.74	8.85	8.94	14.81	8.91	8.58	8.44	8.42	8.40
18	8.61	8.40	8.67	8.82	8.90	8.76	14.69	8.98	8.82	8.57	8.43	8.47
19	8.61	8.40	8.52	9.16	11.64	8.69	15.07	8.77	8.74	8.80	8.43	8.90
20	8.64	8.40	8.65	8.90	9.85	8.64	15.24	8.66	8.56	9.45	8.43	8.63
21	8.68	8.39	8.60	8.78	10.13	8.62	14.18	8.64	---	8.73	8.41	8.50
22	8.58	8.49	10.30	8.69	12.86	8.59	12.49	8.59	---	8.64	8.42	8.46
23	8.42	8.56	10.66	8.66	13.66	8.71	10.34	8.76	---	8.61	8.44	8.58
24	8.37	8.41	8.97	9.34	13.60	8.68	9.00	8.71	---	8.55	8.43	9.30
25	8.36	8.38	8.75	9.01	13.88	8.61	8.98	8.72	---	8.67	8.45	9.22
26	8.35	8.39	8.67	8.83	13.69	8.59	9.10	9.21	---	8.90	8.52	8.76
27	8.35	8.40	8.65	8.80	12.61	8.55	10.23	8.88	---	8.79	8.67	8.58
28	8.38	9.00	8.94	8.80	10.21	9.35	12.44	8.88	---	8.60	8.86	8.50
29	8.41	8.60	8.86	8.86	---	12.38	15.24	8.97	---	8.58	8.64	8.48
30	8.38	8.46	9.81	9.37	---	9.17	15.84	9.08	---	8.62	8.54	8.45
31	8.38	---	9.52	8.95	---	9.22	---	8.94	---	8.70	8.61	---
MEAN	8.45	8.50	8.86	---	10.05	9.02	11.19	10.89	---	---	8.50	8.60
MAX	8.77	9.25	10.66	---	13.88	12.38	15.84	16.68	---	---	8.86	9.30
MIN	8.33	8.38	8.45	---	8.62	8.55	8.63	8.59	---	---	8.40	8.40

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 downstream from Illinois Central and Gulf Railroad bridge, 0.4 mi downstream from Town Creek, 4.2 mi upstream from Richland Creek, and at mile 287.0.

DRAINAGE AREA.--3,171 mi².

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 upstream, 1904 to 1971 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 662: Drainage area. WSP 1504: 1903, 1909. WSP 1906: 1902(M). WDR MS-87-1: 1984.

GAGE.--Water-stage recorder. Datum of gage is 233.70 ft above National Geodetic Vertical Datum of 1929. Prior to Dec. 31, 1913, and Aug. 15, 1928 to Sept. 14, 1934, nonrecording gage. Prior to Oct. 1, 1975, at site at Woodrow Wilson Bridge, 0.6 mi upstream, at datum 1.20 ft higher. Since Oct. 1, 1962, supplementary water-stage recorder and concrete control at Jackson waterworks pumping plant, 3.8 mi upstream (channel change). Datum of supplementary gage is 239.40 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No Estimated daily discharges. Records good. About 48 ft³/s is diverted upstream from station for municipal water supply for City of Jackson, most of which was returned to river and included in discharge records prior to the opening of the City of Jackson Waste Water Treatment Plant at Savannah Street Extension in 1975. Flow regulated since Sept. 27, 1961, by Ross R. Barnett Reservoir, 15 mi upstream. Satellite telemeter and National Weather Service telemeter at station.

AVERAGE DISCHARGE.--74 years (water years 1902-12, 1929-91), 4,159 ft³/s, 17.81 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 128,000 ft³/s, Apr. 17, 1979, gage height, 43.28 ft, minimum daily regulated, 45 ft³/s, Oct. 5, 1956 (affected by closure of low-head dam at Jackson Waterworks), Sept. 18, 1963, minimum daily unregulated, 78 ft³/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 and the flood of Dec. 5, 1880, reached a stage of 36½ ft, at former site and datum. The flood of Apr. 21, 1900, reached a stage of 36.7 ft, according to the Alabama and Vicksburg Railroad plans confirmed by local residents.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 46,200 ft³/s, May 4, gage height, 35.12 ft, minimum daily discharge, 124 ft³/s, Oct. 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	202	207	888	9300	4600	23300	20800	43900	19500	1800	1630	1540
2	205	206	698	7260	4170	22700	20000	43500	19600	885	917	3210
3	221	206	2280	7420	3910	22200	19700	42900	16800	1500	785	1540
4	245	206	1450	6210	2860	22200	19200	44900	14600	3170	461	1340
5	218	277	1170	4690	3680	22200	16700	45600	11600	2980	408	1310
6	207	226	1170	4320	4770	21100	13500	43100	10400	2670	397	1270
7	203	210	1580	5160	5560	19400	10600	38500	7510	2270	376	1120
8	206	282	804	5170	6400	16700	8590	34900	4240	3110	422	826
9	200	808	572	4090	5410	13600	5600	33300	2180	2610	370	348
10	203	382	561	7190	4300	11600	3520	26400	1290	2440	378	306
11	213	320	551	8830	4090	9630	3370	21400	2450	1440	377	295
12	206	313	418	5980	3420	7140	6050	18700	2280	618	360	294
13	207	303	298	4110	2090	5110	9110	17700	2040	845	337	287
14	207	302	291	4200	2210	3870	17200	15500	910	913	326	279
15	203	304	284	4590	2350	3200	30000	14300	459	1080	337	274
16	198	304	286	3890	2180	3120	36100	12900	434	985	319	271
17	202	300	279	2710	1550	2820	40200	10400	1700	470	314	258
18	203	304	289	3010	1900	2430	39500	9630	1790	425	328	305
19	200	308	284	4090	8240	2030	39500	7750	2520	460	384	583
20	202	299	358	2150	16600	2130	38000	6400	2560	1580	304	333
21	218	295	545	1820	20300	2480	35700	4520	1680	827	302	264
22	230	307	3300	1990	27500	2380	31000	1810	2740	798	299	245
23	197	319	6840	1890	32700	1970	26900	1260	2860	576	280	296
24	124	307	8240	2670	33500	1920	21200	2520	2060	410	278	883
25	147	306	9920	3130	34800	1910	16900	3510	2620	428	285	2410
26	190	301	12000	2980	35300	1890	13400	5650	2390	444	286	961
27	132	302	14600	4000	32400	1880	11800	6120	2340	1080	303	1980
28	166	551	14900	3420	27100	2380	14100	7510	1220	1590	322	1970
29	192	790	14300	2600	---	10600	28400	8580	1440	2590	309	1920
30	127	887	14200	3790	---	15500	41500	11100	2080	2950	290	1140
31	172	---	11900	4640	---	19100	---	15700	---	2000	298	---
TOTAL	6046	10432	125256	137300	333890	298490	638140	599960	146293	45944	12782	28058
MEAN	195	348	4041	4429	11920	9629	21270	19350	4876	1482	412	935
MAX	245	887	14900	9300	35300	23300	41500	45600	19600	3170	1630	3210
MIN	124	206	279	1820	1550	1880	3370	1260	434	410	278	245
CFSM	.06	.11	1.27	1.40	3.76	3.04	6.71	6.10	1.54	.47	.13	.30
IN.	.07	.12	1.47	1.61	3.92	3.50	7.49	7.04	1.72	.54	.15	.33
CAL YR 1990	TOTAL	2026931	MEAN	5553	MAX	37400	MIN	124	CFSM	1.75	IN	23.78
WTR YR 1991	TOTAL	2382591	MEAN	6528	MAX	45600	MIN	124	CFSM	2.06	IN	27.95

PEARL RIVER BASIN

02486000 PEARL RIVER AT JACKSON, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.21	3.23	5.55	21.20	13.68	29.89	28.98	34.76	28.43	7.97	7.60	7.51
2	3.22	3.23	4.98	18.43	12.88	29.72	28.67	34.70	28.51	6.23	6.30	10.98
3	3.29	3.23	8.86	18.70	12.39	29.57	28.51	34.60	27.15	7.49	6.05	7.40
4	3.39	3.23	7.04	16.58	10.27	29.53	28.31	34.92	25.83	10.92	5.39	7.04
5	3.28	3.52	6.34	13.86	11.87	29.55	27.08	35.03	23.50	10.49	5.27	7.00
6	3.23	3.32	6.32	13.16	13.99	29.12	25.06	34.62	22.38	9.84	5.25	6.92
7	3.22	3.25	7.37	14.70	15.41	28.39	22.62	33.83	18.71	8.95	5.20	6.71
8	3.23	3.54	5.27	14.71	16.91	27.10	20.33	33.18	12.98	10.79	5.30	6.10
9	3.20	5.25	4.58	12.74	15.15	25.14	15.47	33.06	8.79	9.75	5.19	5.14
10	3.22	3.92	4.54	18.12	13.12	23.56	11.63	31.85	6.92	9.37	5.21	5.04
11	3.26	3.69	4.51	20.63	12.73	21.59	11.32	30.41	9.40	7.26	5.21	5.01
12	3.23	3.66	4.05	16.17	11.43	18.19	16.25	29.27	9.02	5.71	5.17	5.01
13	3.23	3.63	3.61	12.78	8.57	14.61	20.99	28.79	8.47	6.16	5.11	4.99
14	3.23	3.62	3.58	12.95	8.87	12.30	27.11	27.60	6.24	6.29	5.08	4.97
15	3.21	3.63	3.55	13.66	9.17	10.99	31.96	26.83	5.35	6.59	5.11	4.96
16	3.19	3.63	3.56	12.31	8.79	10.82	33.41	25.81	5.29	6.40	5.07	4.95
17	3.21	3.61	3.53	9.96	7.31	10.20	33.56	23.56	7.76	5.40	5.05	4.91
18	3.22	3.63	3.57	10.60	8.08	9.35	33.42	22.82	7.90	5.30	5.09	5.02
19	3.20	3.65	3.55	12.71	19.28	8.45	33.59	20.36	9.52	5.37	5.22	5.65
20	3.21	3.61	3.82	8.72	26.94	8.69	33.75	18.05	9.59	7.62	5.03	5.10
21	3.28	3.60	4.49	7.97	28.65	9.46	33.32	14.30	7.69	6.13	5.02	4.93
22	3.33	3.64	10.84	8.37	31.07	9.24	32.28	8.29	10.02	6.08	5.02	4.88
23	3.19	3.69	17.70	8.13	32.38	8.31	31.14	6.61	10.28	5.63	4.97	5.00
24	2.85	3.64	19.90	9.84	32.47	8.20	29.12	9.53	8.51	5.27	4.96	6.18
25	2.95	3.64	21.93	10.83	32.64	8.17	27.21	11.59	9.77	5.31	4.98	9.30
26	3.16	3.62	23.90	10.52	32.67	8.14	25.00	15.57	9.26	5.34	4.99	6.37
27	2.89	3.62	25.85	12.56	32.19	8.12	23.71	16.40	9.16	6.58	5.03	8.35
28	3.04	4.49	26.07	11.41	30.95	9.15	25.33	18.82	6.83	7.49	5.07	8.31
29	3.17	5.25	25.65	9.72	---	22.21	31.37	20.34	7.20	9.71	5.04	8.19
30	2.86	5.54	25.55	12.15	---	26.43	34.36	23.02	8.58	10.46	4.99	6.68
31	3.07	---	23.83	13.76	---	28.25	---	26.50	---	8.39	5.01	---
MEAN	3.18	3.76	10.45	13.16	18.21	17.82	26.83	24.68	12.30	7.43	5.26	6.29
MAX	3.39	5.54	26.07	21.20	32.67	29.89	34.36	35.03	28.51	10.92	7.60	10.98
MIN	2.85	3.23	3.53	7.97	7.31	8.12	11.32	6.61	5.29	5.27	4.96	4.88

WTR YR 1991 MEAN 12.40 MAX 35.03 MIN 2.85

02488000 PEARL RIVER AT ROCKPORT, MS

LOCATION.--Lat 31°47'25", long 90°08'35", in SW4 sec.31, T.10 N., R.11 E., Washington Meridian, Copiah County, Hydrologic Unit 03180003, on downstream side of bridge on county road between Rockport and Shivers, approximately 1.0 mi upstream from Sinkler Creek, 2.0 mi south of Rockport, 7.5 mi downstream from Strong River, and 221.7 mi upstream from the mouth.

DRAINAGE AREA.--4,556 mi².

PERIOD OF RECORD.--Oct. 1938 to September 1951, October 1984 to current year. Monthly discharge only prior to June 1939.

GAGE.--Water-stage recorder. Datum of gage is 180.19 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good. Telemeter and satellite telemeter at station.

AVERAGE DISCHARGE.--19 years (water years 1939-51, 1986-91), 6116 ft³/s, 18.23 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 65,000 ft³/s, May 5, 1991; gage height, 35.66 ft, minimum discharge, 267 ft³/s, Oct. 25-31, 1943, gage height 4.11 ft, Oct. 25-28, 1943.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1979, reached a stage of 42.83 ft, from floodmarks.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 18,000 ft³/s, and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Mar. 3	0215	36,000	29.52	May 5	2030	*65,000	*35.66
Apr. 2	1345	23,000	24.13	Jun 4	1215	18,800	22.39
Apr. 23	2100	46,800	32.73				

Minimum discharge, 316 ft³/s, Oct. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	464	353	1210	14600	9820	34400	22100	52100	15000	2410	2730	1560
2	464	340	1250	12700	7950	35700	22800	56100	16500	2510	2120	1900
3	465	395	1560	11000	6310	35800	21900	58900	18100	1920	1560	3350
4	488	408	2900	10300	5440	34300	21300	62300	18700	2450	1230	2630
5	533	423	2900	8560	7070	31400	21100	64500	18300	6740	1040	1830
6	510	447	2120	6470	13900	28400	20600	64000	16600	4990	885	1680
7	464	507	1810	5590	12800	26200	19300	61300	14500	4480	917	1910
8	432	466	1810	6150	10100	24500	16800	58800	11200	4470	1160	1760
9	423	538	1630	6220	9110	23000	13200	58000	6600	4440	919	1710
10	417	935	1110	6950	7670	20800	8750	56000	3320	4050	902	1160
11	411	1110	934	13900	6110	17700	5380	53600	2040	3380	1410	859
12	412	801	895	14000	5480	14300	13800	48500	2460	2450	1200	748
13	422	677	868	10500	4790	10600	26900	41500	2690	1530	914	687
14	420	620	735	6900	3530	7420	27400	34700	2580	1210	859	656
15	410	578	602	6000	3000	5410	35300	29000	1820	1260	822	636
16	408	558	563	6060	3160	4390	37500	25000	1310	1250	794	600
17	408	547	552	5370	3080	4320	39800	21800	1430	1390	780	574
18	404	538	551	4040	2650	4360	42500	19200	2160	1170	763	573
19	401	525	563	7110	5730	3900	43300	16400	3580	2070	746	633
20	402	526	573	8360	24700	3220	42200	13200	3330	1470	787	703
21	410	539	580	5540	29500	2930	42700	10400	3550	1810	784	780
22	469	542	1880	3680	33400	3150	42700	7240	2590	1500	723	660
23	504	554	7290	3180	34700	3080	46100	3760	4120	1240	672	602
24	525	568	10300	4820	35000	2690	45400	2430	3890	1190	616	718
25	475	573	9860	8440	35000	2510	40700	2740	5760	1070	584	2830
26	383	557	10000	7320	34500	2450	34400	5220	6080	1050	603	5560
27	328	557	10900	5690	34100	2390	31000	11000	4300	1390	1090	3850
28	376	640	12500	5680	34200	2330	30700	10000	3290	1540	1750	2740
29	342	932	13900	5250	---	8030	37200	11000	2750	2270	1520	2450
30	331	1060	14700	8280	---	20000	48500	13700	2000	2940	1200	2220
31	382	---	15000	11300	---	21700	---	14700	---	3410	1250	---
TOTAL	13283	17814	132046	239960	422800	441380	901330	987090	200550	75050	33330	48569
MEAN	428	594	4260	7741	15100	14240	30040	31840	6685	2421	1075	1619
MAX	533	1110	15000	14600	35000	35800	48500	64500	18700	6740	2730	5560
MIN	328	340	551	3180	2650	2330	5380	2430	1310	1050	584	573
CFSM	.09	.13	.94	1.70	3.31	3.13	6.59	6.99	1.47	.53	.24	.36
IN.	.11	.15	1.08	1.96	3.45	3.60	7.36	8.06	1.64	.61	.27	.40

CAL YR 1990	TOTAL	3274439	MEAN	8971	MAX	58500	MIN	328	CFSM	1.97	IN	26.74
WTR YR 1991	TOTAL	3513202	MEAN	9625	MAX	64500	MIN	328	CFSM	2.11	IN	28.69

PEARL RIVER BASIN

02488000 PEARL RIVER AT ROCKPORT, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.03	5.80	7.52	18.96	15.90	29.04	23.64	33.19	20.28	10.01	10.08	8.17
2	6.03	5.77	7.59	17.79	14.55	29.45	24.03	33.92	21.17	10.14	9.26	8.73
3	6.03	5.89	8.15	16.71	13.28	29.46	23.55	34.40	22.02	9.27	8.34	10.57
4	6.08	5.91	10.06	16.21	12.56	28.99	23.25	35.09	22.36	9.76	7.72	9.75
5	6.17	5.94	9.94	15.00	13.76	28.02	23.10	35.55	22.09	14.08	7.36	8.63
6	6.12	5.99	8.75	13.41	18.54	26.94	22.83	35.52	21.16	12.59	7.04	8.37
7	6.03	6.12	8.38	12.68	17.87	25.91	22.13	35.06	19.90	12.11	7.09	8.75
8	5.96	6.03	8.53	13.15	16.07	25.10	20.77	34.63	17.82	12.08	7.55	8.50
9	5.94	6.18	8.29	13.21	15.40	24.32	18.63	34.52	14.45	12.04	7.08	8.43
10	5.93	6.98	7.33	13.72	14.35	23.19	15.65	34.16	11.48	11.64	7.04	7.43
11	5.92	7.33	6.98	18.52	13.12	21.54	13.08	33.71	9.88	10.96	8.01	6.83
12	5.92	6.71	6.90	18.52	12.59	19.59	18.97	32.67	10.46	9.86	7.61	6.61
13	5.94	6.46	6.85	16.22	11.98	17.24	26.07	31.08	10.74	8.43	7.05	6.49
14	5.94	6.35	6.58	13.50	10.76	14.94	26.36	29.11	10.58	7.84	6.93	6.42
15	5.92	6.26	6.31	12.72	10.22	13.31	29.21	27.23	9.46	7.92	6.85	6.38
16	5.91	6.22	6.23	12.96	10.39	12.39	29.95	25.51	8.54	7.91	6.78	6.31
17	5.91	6.20	6.21	12.49	10.31	12.31	30.69	23.93	8.69	8.17	6.75	6.26
18	5.90	6.18	6.21	11.28	9.80	12.33	31.45	22.67	9.93	7.74	6.70	6.25
19	5.90	6.16	6.23	13.89	12.23	11.88	31.69	21.14	11.60	9.25	6.66	6.38
20	5.90	6.16	6.25	14.86	24.50	11.19	31.47	19.32	11.32	8.28	6.74	6.52
21	5.91	6.18	6.27	12.62	26.74	10.87	31.65	17.54	11.52	8.85	6.72	6.67
22	5.99	6.19	8.17	10.92	28.18	11.10	31.69	15.31	10.42	8.32	6.59	6.43
23	6.03	6.21	14.02	10.41	28.71	11.01	32.55	12.27	12.05	7.83	6.48	6.31
24	6.08	6.24	16.25	11.93	28.94	10.54	32.43	10.79	11.81	7.73	6.36	6.55
25	5.98	6.25	15.93	14.92	29.02	10.30	31.18	11.15	13.46	7.49	6.28	9.79
26	5.82	6.22	16.05	14.08	28.98	10.22	29.18	13.52	13.72	7.43	6.31	12.66
27	5.74	6.22	16.65	12.77	28.96	10.12	27.95	17.92	12.13	8.09	7.26	11.08
28	5.85	6.39	17.68	12.76	28.99	10.03	27.73	17.23	11.12	8.35	8.48	9.92
29	5.78	6.97	18.54	12.38	---	14.67	29.66	17.89	10.47	9.48	8.10	9.53
30	5.75	7.22	19.01	14.75	---	22.61	32.52	19.56	9.45	10.35	7.50	9.22
31	5.86	---	19.21	16.92	---	23.46	---	20.16	---	10.85	7.59	---
MEAN	5.94	6.29	10.23	14.20	18.10	18.13	26.44	25.35	13.67	9.51	7.30	8.00
MAX	6.17	7.33	19.21	18.96	29.02	29.46	32.55	35.55	22.36	14.08	10.08	12.66
MIN	5.74	5.77	6.21	10.41	9.80	10.03	13.08	10.79	8.54	7.43	6.28	6.25
CAL YR 1990	MEAN	12.47	MAX	34.13	MIN	5.74						
WTR YR 1991	MEAN	13.56	MAX	35.55	MIN	5.74						

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 east of Monticello, 2.5 mi upstream from Halls Creek, 4.1 mi upstream from Silver Creek and at mile 190.8.

DRAINAGE AREA.--4,993 mi².

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 above National Geodetic Vertical Datum of 1929 (levels by U. S. Army 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.--No estimated daily discharges. Records good. Satellite telemeter and National Weather Service telemeter at station.

AVERAGE DISCHARGE.--53 years, 6,872 ft³/s, 18.69 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 122,000 ft³/s, Apr. 20, 1979, gage height, 34.08 ft, minimum, 269 ft³/s, Oct. 24, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1902 reached a stage of about 33 ft, from reports of National Weather Service, discharge, about 100,000 ft³/s, from rating curve extended above 70,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 22,000 ft³/s, and maximum (*):

Date	Time	Discharge (ft³/s)	Gage Height (ft)	Date	Time	Discharge (ft³/s)	Gage Height (ft)
Mar. 3	2100	45,300	25.72	Apr. 24	1215	58,400	27.46
Apr. 3	0715	24,200	20.97	May 6	1045	*76,500	*29.59

Minimum discharge, 456 ft³/s, Oct. 31.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	529	502	1240	14900	12500	40100	22800	62300	17900	2760	3490	2000
2	529	489	1380	14100	10200	43000	23700	60700	18200	3080	2710	2390
3	543	481	1690	13400	8160	44100	24100	63400	19400	2870	2150	3170
4	573	507	2730	12600	6820	43400	23500	70400	20600	3410	1610	3760
5	617	545	3770	10600	11100	40900	22900	73800	21100	7840	1320	2640
6	639	555	2790	8260	18100	37400	22500	74400	20400	8150	1150	2100
7	622	568	2180	6630	17200	33900	21900	72600	18700	6070	1010	2200
8	584	601	1990	6370	13400	30900	20400	70500	16000	5850	1500	2370
9	549	666	2120	6910	10800	28200	17500	70800	11700	5120	1260	2070
10	530	790	1660	6840	9350	25700	13300	68800	6300	4830	1040	1860
11	520	1130	1200	13100	7400	22700	8320	66600	3750	4220	1180	1290
12	519	1110	1070	15800	6260	19200	12600	62700	3220	3430	1740	1040
13	519	893	1030	14000	5650	15300	29700	57600	3700	2400	1210	938
14	523	794	982	10000	4720	11100	37400	51400	4180	1630	984	878
15	521	723	836	7070	3630	7940	43000	43800	3250	1480	936	845
16	511	668	718	6750	3580	6250	46300	36600	2280	1480	897	820
17	510	658	708	6730	3640	5970	46100	31000	1870	1540	863	787
18	510	657	696	5400	3410	6210	47800	26700	4390	1610	845	777
19	501	656	692	9080	5350	5680	50500	23200	5040	1820	820	884
20	497	651	688	10900	26400	4820	52600	19400	4750	2300	804	941
21	509	635	698	8470	34100	4210	51900	15900	5160	1700	830	945
22	562	635	752	5410	40000	4180	52200	12800	4940	2050	802	938
23	590	658	6410	4260	41000	4260	55300	9110	4550	1560	783	888
24	589	637	10400	6660	40000	3890	57400	9760	6040	1390	800	1050
25	580	652	10700	10900	39600	3460	56200	7020	6090	1320	760	3140
26	556	662	10500	10000	39600	3290	51200	8820	8220	1200	744	6070
27	497	662	10900	7600	39400	3200	47400	13500	6530	1320	823	5540
28	481	1100	12000	6870	39300	3150	45200	15000	4500	1660	1760	3770
29	508	1160	13200	6780	---	5350	48300	15100	4170	1990	2020	3130
30	485	1120	14100	10700	---	16300	62100	16400	3130	2880	1730	2790
31	466	---	14700	13500	---	21300	---	17400	---	3520	1690	---
TOTAL	16669	21565	134530	290590	500670	545360	1114120	1247510	260060	92480	40261	62021
MEAN	538	719	4340	9374	17880	17590	37140	40240	8669	2983	1299	2067
MAX	639	1160	14700	15800	41000	44100	62100	74400	21100	8150	3490	6070
MIN	466	481	688	4260	3410	3150	8320	7020	1870	1200	744	777
CFSM	.11	.14	.87	1.88	3.58	3.52	7.44	8.06	1.74	.60	.26	.41
IN.	.12	.16	1.00	2.17	3.73	4.06	8.30	9.29	1.94	.69	.30	.46

CAL YR 1990	TOTAL	3645612	MEAN	9988	MAX	70000	MIN	466	CFSM	2.00	IN	27.16
WTR YR 1991	TOTAL	4325836	MEAN	11850	MAX	74400	MIN	466	CFSM	2.37	IN	32.23

02488500 PEARL RIVER NEAR MONTICELLO, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.65	4.54	6.04	16.71	15.28	24.95	20.44	27.94	18.31	8.82	9.37	7.57
2	4.64	4.50	6.27	16.27	13.76	25.40	20.76	27.75	18.45	9.16	8.55	8.05
3	4.67	4.48	6.74	15.90	12.42	25.55	20.93	28.08	19.03	8.92	7.87	8.91
4	4.75	4.55	8.03	15.36	11.48	25.46	20.70	28.90	19.55	9.47	7.13	9.51
5	4.86	4.65	9.13	14.10	14.21	25.08	20.48	29.29	19.73	12.67	6.68	8.33
6	4.91	4.67	8.12	12.60	18.38	24.46	20.32	29.35	19.45	12.87	6.39	7.68
7	4.87	4.70	7.39	11.48	17.93	23.71	20.06	29.15	18.69	11.65	6.14	7.81
8	4.78	4.79	7.16	11.28	15.88	22.94	19.45	28.90	17.34	11.50	6.93	8.02
9	4.68	4.94	7.32	11.68	14.34	22.20	18.11	28.95	14.88	11.00	6.56	7.64
10	4.63	5.21	6.70	11.62	13.44	21.43	15.81	28.72	11.82	10.75	6.19	7.34
11	4.60	5.86	5.98	15.68	12.19	20.40	12.78	28.46	9.91	10.21	6.41	6.50
12	4.60	5.82	5.76	17.19	11.39	18.91	15.29	27.99	9.39	9.46	7.28	6.07
13	4.60	5.42	5.68	16.21	10.93	16.95	22.50	27.36	9.87	8.30	6.46	5.87
14	4.61	5.21	5.59	13.68	10.16	14.53	24.47	26.55	10.33	7.30	6.06	5.75
15	4.61	5.06	5.30	11.66	9.17	12.55	25.40	25.50	9.41	7.07	5.96	5.68
16	4.58	4.93	5.05	11.43	9.13	11.38	25.87	24.30	8.33	7.06	5.88	5.63
17	4.57	4.91	5.03	11.42	9.19	11.17	25.84	22.98	7.80	7.15	5.81	5.56
18	4.58	4.91	5.00	10.41	8.96	11.35	26.07	21.76	10.46	7.24	5.77	5.54
19	4.55	4.91	4.99	13.01	10.27	10.94	26.44	20.56	11.01	7.52	5.72	5.76
20	4.54	4.89	4.98	14.23	21.55	10.25	26.71	19.02	10.81	8.15	5.68	5.87
21	4.57	4.86	5.00	12.62	23.76	9.72	26.62	17.28	11.09	7.34	5.73	5.87
22	4.70	4.86	5.12	10.42	24.94	9.69	26.67	15.50	10.93	7.81	5.67	5.85
23	4.77	4.91	11.11	9.45	25.11	9.76	27.06	13.29	10.59	7.14	5.62	5.75
24	4.77	4.86	13.99	11.28	24.94	9.42	27.33	13.69	11.69	6.87	5.65	6.06
25	4.75	4.90	14.20	14.24	24.87	9.01	27.18	11.92	11.71	6.75	5.57	8.73
26	4.68	4.92	14.01	13.65	24.87	8.84	26.53	13.09	12.94	6.53	5.52	11.38
27	4.53	4.92	14.30	12.02	24.84	8.75	26.01	15.93	11.96	6.73	5.69	10.98
28	4.49	5.76	14.99	11.52	24.82	8.69	25.70	16.80	10.55	7.25	7.22	9.46
29	4.56	5.91	15.79	11.45	---	10.49	26.12	16.86	10.25	7.68	7.60	8.83
30	4.50	5.84	16.31	14.13	---	17.45	27.92	17.51	9.21	8.76	7.21	8.46
31	4.45	---	16.60	15.94	---	19.81	---	18.07	---	9.41	7.14	---
MEAN	4.65	5.02	8.63	13.18	16.36	16.17	23.19	22.63	12.85	8.66	6.50	7.35
MAX	4.91	5.91	16.60	17.19	25.11	25.55	27.92	29.35	19.73	12.87	9.37	11.38
MIN	4.45	4.48	4.98	9.45	8.96	8.69	12.78	11.92	7.80	6.53	5.52	5.54

WTR YR 1991 MEAN 12.06 MAX 29.35 MIN 4.45

02488700 WHITESAND CREEK NEAR OAK VALE, MS

LOCATION.--Lat 31°28'14", long 89°58'25", in SW4 sec.24, T.6 N., R.20 W., St. Stephens Meridian, Lawrence County, Hydrologic Unit 03180003, near left bank on downstream side of bridge on State Highway 43, 1.2 mi upstream from Illinois Central and Gulf Railroad bridge, 2.3 mi north of Oak Vale, and 3.7 mi upstream from mouth.

DRAINAGE AREA.--130 mi².

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

REVISED RECORDS.--WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 182.20 ft above National Geodetic Vertical Datum of 1929 (Mississippi State Highway Department bench mark).

REMARKS.--Estimated daily discharges: Oct. 5 - Nov. 19, Aug. 20-21. Records fair except for estimated daily discharges, which are poor. Satellite telemeter at station.

AVERAGE DISCHARGE.--26 years, 208 ft³/s, 21.73 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,400 ft³/s, Apr. 13, 1974, gage height, 18.76 ft, minimum, 59 ft³/s, Sept. 12-16, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 28, 29, 1961, reached a stage of 17.11 ft from floodmark, discharge, 15,900 ft³/s. Maximum stage known since at least 1879, 204 ft in April 1900, and flood in January 1925 reached a stage of 17.3 ft from information by local residents.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 21	0115	2,640	8.58	Apr. 30	1000	*4,920	*10.91
Apr. 13	2245	3,160	9.17				

Minimum recorded discharge, 100 ft³/s, Oct. 1, but may have been less during period of no gage height record Oct. 5 to Nov. 19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	117	107	114	113	254	266	181	1500	303	176	149	147
2	114	109	115	113	208	420	160	478	256	183	142	187
3	110	107	153	150	177	552	150	379	235	163	144	166
4	118	109	177	169	164	483	146	1310	220	190	138	145
5	150	114	134	132	760	302	139	1420	207	350	126	144
6	174	119	121	123	1030	250	141	808	189	299	132	149
7	163	136	119	124	467	222	136	429	197	315	127	185
8	150	144	121	125	261	199	139	802	188	279	129	160
9	162	112	121	119	215	180	154	1360	180	227	128	150
10	123	176	120	158	193	169	165	1260	164	211	136	145
11	126	144	114	268	173	161	213	1140	172	194	168	147
12	123	151	112	198	156	161	213	634	175	190	148	144
13	118	129	115	153	151	163	1600	396	179	178	126	141
14	116	124	113	137	155	151	1550	302	200	175	121	139
15	114	124	116	137	145	147	1420	247	194	164	130	138
16	112	121	113	142	135	149	1140	228	199	160	129	142
17	106	119	112	134	141	215	456	238	293	151	128	139
18	107	119	114	130	149	263	339	340	307	161	120	145
19	107	110	118	209	195	210	336	316	252	166	123	181
20	107	117	116	203	1610	173	332	262	207	159	118	151
21	112	111	114	152	2130	160	274	262	189	157	114	132
22	124	110	114	135	1820	155	407	262	212	154	123	133
23	146	112	116	130	1490	155	675	288	230	142	123	137
24	149	120	116	301	542	155	558	413	230	160	123	179
25	144	116	112	342	340	149	370	282	203	171	118	314
26	136	110	110	206	280	142	400	338	203	216	122	231
27	124	111	109	169	242	135	813	350	189	189	123	156
28	112	133	111	167	214	135	1320	294	179	155	142	141
29	107	155	110	174	---	286	2120	327	186	156	176	143
30	107	126	114	568	---	452	4120	332	196	155	141	141
31	109	---	113	484	---	232	---	358	---	153	132	---
TOTAL	3887	3695	3677	5865	13797	6992	20167	17355	6334	5899	4099	4752
MEAN	125	123	119	189	493	226	672	560	211	190	132	158
MAX	174	176	177	568	2130	552	4120	1500	307	350	176	314
MIN	106	107	109	113	135	135	136	228	164	142	114	132
CFSM	.96	.95	.92	1.45	3.79	1.74	5.17	4.31	1.62	1.46	1.02	1.22
IN.	1.11	1.06	1.05	1.68	3.95	2.00	5.77	4.97	1.81	1.69	1.17	1.36
CAL YR 1990	TOTAL	119708	MEAN 328	MAX 11500	MIN 106	CFSM 2.52	IN 34.25					
WTR YR 1991	TOTAL	96519	MEAN 264	MAX 4120	MIN 106	CFSM 2.03	IN 27.62					

02488700 WHITESAND CREEK NEAR OAK VALE, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.67	---	3.66	3.66	4.16	4.45	4.17	6.96	4.81	4.30	4.19	4.16
2	3.66	---	3.66	3.66	4.01	4.91	4.09	5.25	4.66	4.32	4.16	4.31
3	3.64	---	3.81	3.80	3.90	5.21	4.05	5.05	4.59	4.25	4.16	4.23
4	3.68	---	3.90	3.87	3.86	5.05	4.04	6.70	4.53	4.34	4.14	4.15
5	---	---	3.74	3.73	5.42	4.57	4.01	6.90	4.48	4.86	4.10	4.15
6	---	---	3.69	3.70	6.15	4.40	4.02	5.78	4.41	4.71	4.12	4.16
7	---	---	3.68	3.70	4.90	4.31	4.00	5.16	4.43	4.75	4.10	4.30
8	---	---	3.69	3.70	4.34	4.23	4.01	5.80	4.40	4.64	4.11	4.21
9	---	---	3.69	3.68	4.18	4.16	4.07	6.82	4.36	4.48	4.11	4.17
10	---	---	3.68	3.83	4.11	4.12	4.11	6.62	4.30	4.42	4.14	4.15
11	---	---	3.66	4.21	4.04	4.09	4.28	6.38	4.33	4.36	4.25	4.16
12	---	---	3.65	3.98	3.98	4.09	4.27	5.51	4.33	4.35	4.17	4.15
13	---	---	3.66	3.81	3.95	4.10	7.01	5.11	4.34	4.31	4.09	4.14
14	---	---	3.66	3.75	3.97	4.06	6.99	4.89	4.41	4.29	4.07	4.13
15	---	---	3.67	3.75	3.93	4.04	6.91	4.72	4.38	4.25	4.10	4.12
16	---	---	3.66	3.77	3.90	4.05	6.36	4.66	4.40	4.24	4.10	4.14
17	---	---	3.65	3.74	3.92	4.28	5.00	4.68	4.70	4.20	4.09	4.12
18	---	---	3.66	3.72	3.95	4.44	4.68	4.99	4.74	4.24	4.06	4.15
19	---	---	3.68	4.01	4.09	4.27	4.67	4.92	4.57	4.26	4.07	4.30
20	---	3.67	3.67	3.99	7.11	4.14	4.66	4.75	4.42	4.23	4.04	4.18
21	---	3.65	3.66	3.81	7.92	4.09	4.48	4.74	4.35	4.22	4.00	4.11
22	---	3.64	3.66	3.74	7.52	4.07	4.80	4.74	4.43	4.20	4.07	4.12
23	---	3.65	3.67	3.73	7.00	4.07	5.46	4.77	4.49	4.16	4.08	4.13
24	---	3.68	3.67	4.30	5.18	4.07	5.22	5.10	4.50	4.23	4.08	4.29
25	---	3.67	3.65	4.43	4.68	4.05	4.77	4.78	4.40	4.27	4.06	4.73
26	---	3.65	3.64	4.00	4.50	4.02	4.86	4.95	4.40	4.43	4.07	4.46
27	---	3.65	3.64	3.87	4.37	4.00	5.70	4.96	4.35	4.33	4.07	4.21
28	---	3.73	3.65	3.87	4.28	4.00	6.73	4.81	4.32	4.21	4.15	4.15
29	---	3.82	3.64	3.89	---	4.49	7.60	4.90	4.33	4.21	4.26	4.15
30	---	3.71	3.66	5.06	---	4.98	10.14	4.90	4.37	4.21	4.14	4.14
31	---	---	3.66	4.83	---	4.34	---	4.97	---	4.20	4.10	---
MEAN	---	---	3.68	3.92	4.76	4.30	5.17	5.33	4.45	4.34	4.11	4.20
MAX	---	---	3.90	5.06	7.92	5.21	10.14	6.96	4.81	4.86	4.26	4.73
MIN	---	---	3.64	3.66	3.86	4.00	4.00	4.66	4.30	4.16	4.00	4.11

02489000 PEARL RIVER NEAR COLUMBIA, MS

LOCATION.--Lat 31°14'14", long 89°50'54", in E4 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 southwest of Columbia, 2.0 mi downstream from Fernwood, Columbia and Gulf Railroad bridge, 2.2 mi upstream from Silver Creek and at mile 137.8.

DRAINAGE AREA.--5,720 mi².

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 above National Geodetic Vertical Datum of 1929 (levels by U. S. Army 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 downstream at datum 0.37 ft 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, 17.62 in/yr.

EXTREMES FOR PERIOD OF RECORD.--1928-1954: Maximum discharge, 72,600 ft³/s, Apr. 9, 1938, gage height, 26.40 ft, minimum, 705 ft³/s, Oct. 21, 1952, gage height 0.81 ft.
1904 to current year: Maximum observed gage height, 27.8 ft, Apr. 22, 1979.

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

EXTREMES FOR CURRENT YEAR.--Maximum observed gage height, 24.55 ft, May 6, minimum observed, 1.40 ft, Oct. 1-7, 22-24, Nov. 2-5.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.40	1.50	2.30	10.30	10.70	17.71	12.58	22.95	12.40	5.10	4.66	3.22
2	1.40	1.40	2.30	10.40	---	17.95	13.34	23.15	12.46	4.70	4.76	3.58
3	1.40	1.40	2.60	10.60	8.75	18.47	13.75	22.70	12.46	4.95	4.26	4.16
4	1.40	1.40	3.10	10.60	7.87	18.88	14.01	22.80	12.70	4.88	3.86	4.27
5	1.40	1.40	3.20	10.40	6.99	18.79	14.00	23.50	13.30	5.58	3.44	4.89
6	1.40	1.50	3.60	9.30	11.55	18.59	13.86	24.14	13.47	8.02	3.13	4.12
7	1.40	1.50	3.60	8.00	12.91	18.16	---	24.55	13.52	7.96	2.96	3.80
8	1.70	1.50	3.70	6.90	12.50	17.41	13.64	24.53	12.93	7.46	2.81	3.74
9	1.70	1.50	3.70	6.10	10.87	16.61	13.30	24.40	11.82	6.94	3.02	3.80
10	1.70	1.50	3.10	6.80	---	15.23	12.48	24.50	9.86	6.34	3.09	3.55
11	1.70	1.90	3.10	7.40	8.59	15.05	10.79	24.45	7.33	6.08	2.92	3.42
12	1.60	1.90	3.00	8.00	7.43	14.31	8.77	24.15	5.82	5.66	2.85	2.95
13	1.60	1.90	3.00	10.70	6.72	13.14	10.33	23.68	5.79	5.12	3.37	2.66
14	1.60	1.80	3.00	10.40	6.41	11.55	14.74	23.20	5.90	4.38	3.01	---
15	1.60	1.80	2.20	10.40	5.75	9.92	17.34	22.16	6.06	3.76	2.79	2.43
16	1.50	1.80	2.20	7.20	4.78	7.59	18.62	20.95	5.19	3.50	2.66	2.38
17	1.50	1.70	2.10	6.40	4.80	6.82	19.27	19.40	5.21	3.46	2.60	2.33
18	1.50	1.70	2.10	6.10	4.86	6.71	19.46	18.20	5.81	3.44	2.50	2.29
19	1.50	1.70	2.40	5.80	4.70	6.66	19.48	16.90	7.32	3.56	2.60	2.35
20	1.50	1.60	2.20	6.00	7.61	6.23	19.19	15.60	7.15	3.58	2.50	2.46
21	1.50	1.60	2.20	9.00	14.70	5.61	18.18	14.24	7.15	4.12	2.42	2.53
22	1.40	1.60	2.20	8.70	16.83	5.26	20.33	12.57	6.85	3.48	2.42	2.42
23	1.40	1.60	2.00	8.00	7.98	5.18	20.42	10.69	6.45	3.79	2.41	2.44
24	1.40	1.60	2.00	8.20	18.46	5.14	20.76	9.10	6.39	3.45	2.35	2.58
25	1.60	1.60	6.40	8.00	18.35	4.81	21.21	9.55	7.21	3.27	2.35	3.85
26	1.60	1.70	8.20	8.80	17.94	4.50	21.40	7.87	6.92	3.26	2.33	4.69
27	1.60	1.70	8.30	9.00	17.85	4.30	21.02	8.85	7.84	3.18	2.29	6.28
28	1.50	1.70	8.30	9.30	17.75	4.25	20.86	10.55	7.17	3.10	2.54	5.94
29	1.50	2.20	8.90	7.00	---	4.30	20.28	11.65	6.03	3.42	3.01	4.84
30	1.50	2.20	9.10	5.60	---	5.83	21.29	12.26	5.77	3.54	3.50	4.33
31	1.50	---	10.00	---	---	---	---	---	---	4.20	3.31	---
MEAN	1.52	1.66	4.00	---	---	---	---	---	8.48	4.62	2.99	---
MAX	1.70	2.20	10.00	---	---	---	---	---	13.52	8.02	4.76	---
MIN	1.40	1.40	2.00	---	---	---	---	---	5.19	3.10	2.29	---

CAL YR 1990 MEAN 6.78 MAX 24.60 MIN 1.40

PEARL RIVER BASIN

02489500 PEARL RIVER NEAR BOGALUSA, LA
(National stream-quality accounting network station)

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 east of Bogalusa, and 2.0 mi upstream from Bogue Lusa Creek.

DRAINAGE AREA.--6,573 mi².

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

REVISED RECORDS.--WDR LA-1981-2: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 55.00 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to July 29, 1954, nonrecording gage at same site and datum.

REMARKS.--Records good. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--53 years, 10,102 ft³/s, 20.87 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 129,000 ft³/s, Apr. 24, 1979, gage height, 23.23 ft; minimum, 1,020 ft³/s, Oct. 29 to Nov. 1, 1963; minimum gage height, 4.84 ft, Oct. 30, 31, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 11, 1938, reached a stage of 21.0 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 98,500, ft³/s, May 11, gage height, 22.17 ft; minimum discharge, 1,810 ft³/s, Nov. 23, gage height, 7.59 ft.

REVISION.--The maximum discharge for the water year 1990 has been revised to 87,300 ft³/s , Jan. 29, gage-height 21.77 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1860	1840	3080	15200	19100	51100	15600	72000	24500	7290	4460	3600
2	1860	1830	2870	16100	19600	53000	20000	70900	24800	6390	4940	3670
3	1870	1820	3440	16900	17700	53100	23600	72100	24400	6130	5050	4010
4	1920	1830	5550	17500	14400	53500	26100	74500	24600	7070	4680	4390
5	2040	1830	5470	17200	12100	53100	27700	77000	25900	6790	4420	4730
6	2050	1860	4720	15700	18100	52300	28700	81200	26800	8690	3970	5250
7	2020	1910	4780	13500	25500	51300	29100	83900	27500	12100	3580	4840
8	2020	1920	4410	10900	28200	49400	29100	86900	27600	16200	3330	4470
9	1990	2020	3890	8860	27800	47100	29100	90600	26600	14300	3200	4440
10	1950	2300	3590	8580	23700	43800	29200	95200	23900	10800	3270	4200
11	1950	2550	3520	11500	17800	40200	27400	97400	18100	8950	3350	3880
12	1950	2400	3340	15000	13900	36900	22200	92200	11900	8010	3310	3630
13	1920	2350	3010	17700	11100	35100	15300	83800	9260	7160	3220	3250
14	1900	2440	2780	19000	9640	32400	17600	77400	11200	6300	3390	2970
15	1880	2350	2670	17700	8850	27300	27000	71500	11400	5320	3230	2810
16	1870	2230	2600	13200	7670	19500	34000	64600	9410	4610	3010	2710
17	1860	2150	2520	9930	6510	13900	39700	58000	7720	4260	2900	2650
18	1850	2070	2420	8900	6220	11900	46000	53200	7370	4310	2830	2600
19	1840	2030	2400	8850	6220	10700	50100	48500	7950	4260	2780	2610
20	1840	2020	2460	9400	6830	9710	51700	43000	9450	4230	2770	2690
21	1840	2020	2410	11600	16300	8740	52600	38300	9790	4250	2700	2720
22	1960	2020	2350	12600	29400	7850	53000	35100	9520	4560	2630	2710
23	2120	2010	2620	10500	38000	7170	54200	31000	10100	4210	2600	2670
24	2110	2020	3270	8550	45900	6820	55300	24200	10100	4330	2580	2890
25	2020	2040	5780	10300	49400	6670	56400	19300	10900	4070	2540	3910
26	1970	2040	9250	12800	50000	6330	59700	18800	11000	3830	2540	5770
27	1930	2020	10400	14200	49100	5970	61100	18400	11000	3790	2600	5850
28	1920	2130	10700	13100	47700	5750	59700	18200	11100	3620	2830	6760
29	1890	2690	11200	11300	---	5800	60900	18800	9960	3720	3160	6560
30	1850	3180	12400	11500	---	6670	69900	21000	8250	3950	3430	5430
31	1840	---	13800	15700	---	9560	---	22900	---	4020	3700	---
TOTAL	59890	63920	153700	403770	626740	822640	1172000	1759900	462080	197520	103000	118670
MEAN	1932	2131	4958	13020	22380	26540	39070	56770	15400	6372	3323	3956
MAX	2120	3180	13800	19000	50000	53500	69900	97400	27600	16200	5050	6760
MIN	1840	1820	2350	8550	6220	5750	15300	18200	7370	3620	2540	2600
CFSM	.29	.32	.75	1.98	3.41	4.04	5.94	8.64	2.34	.97	.51	.60
IN.	.34	.36	.87	2.29	3.55	4.66	6.63	9.96	2.62	1.12	.58	.67
CAL YR 1990	TOTAL 5363630		MEAN 14690	MAX 96100	MIN 1820	CFSM 2.24		IN. 30.36				
WTR YR 1991	TOTAL 5943830		MEAN 16280	MAX 97400	MIN 1820	CFSM 2.48		IN. 33.64				

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 upstream from Bars Branch, 2.2 mi downstream from Topisaw Creek, and 9.2 mi northwest of Tylertown.

DRAINAGE AREA.--492 mi².

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

REVISED RECORDS.--WSP 1504: 1945(P), 1946(M), 1947-51, 1953. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 227.40 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good. Telemeter and satellite telemeter at station.

AVERAGE DISCHARGE.--47 years, 810 ft³/s, 22.36 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 64,200 ft³/s, Apr. 7, 1983, gage height, 34.62 ft, minimum, 175 ft³/s Oct. 31, 1963, minimum gage height, 5.93 ft, Sept. 30, 1982.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in February 1936 reached a stage about 0.1 ft higher than the flood of Apr. 7, 1983.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 6	1400	9,340	^a 17.23	Apr. 30	1000	*18,200	^a *21.52
Feb. 22	1030	11,200	^a 18.85	May 5	0300	10,300	^a 18.21
Apr. 16	0130	8,540	^a 15.79				

^a outside gage

Minimum daily discharge, 235 ft³/s, Oct. 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	252	246	364	363	3080	1110	587	13900	728	372	373	411
2	250	246	338	383	2140	2480	472	5920	554	379	360	462
3	253	247	506	969	1080	3070	429	3210	447	502	355	512
4	273	248	657	1960	821	2820	410	5870	438	806	357	456
5	267	259	608	1920	3300	1860	397	8310	408	692	355	422
6	271	260	425	1100	7390	1120	438	5130	387	540	349	400
7	268	265	381	636	4840	890	421	3640	626	583	352	458
8	255	263	372	551	3910	748	420	3320	775	816	348	1010
9	252	310	360	495	1930	653	415	5000	491	861	395	840
10	250	335	344	734	1090	588	462	5340	389	548	387	521
11	245	349	328	2290	849	545	664	5530	396	435	376	421
12	246	301	322	2410	717	527	999	4040	497	396	364	383
13	246	277	321	2190	657	517	2210	2600	1690	378	372	365
14	247	266	318	1110	677	496	3040	1190	1800	367	352	356
15	246	263	337	695	646	478	6590	833	1080	361	348	352
16	243	261	344	677	568	475	7320	684	617	355	345	347
17	244	261	322	682	550	607	5840	593	485	351	342	343
18	245	258	327	595	549	695	3080	612	598	348	341	350
19	238	258	332	1370	690	672	2200	698	1440	392	336	423
20	235	262	335	2160	4630	558	4280	686	826	386	332	503
21	251	267	336	2130	9290	498	3010	586	760	393	328	447
22	292	269	331	1270	10600	470	2600	556	870	496	328	380
23	282	275	491	704	7610	452	1620	520	614	394	325	365
24	278	278	925	1240	4720	462	1760	492	769	383	322	429
25	259	281	635	2720	2760	423	1950	504	593	370	333	795
26	249	283	431	2560	1430	407	1280	864	502	367	329	1240
27	246	284	381	2110	1060	401	1390	1280	462	360	377	1160
28	246	379	361	1100	899	396	2630	1050	418	370	400	568
29	247	792	363	1090	---	461	6390	1090	388	378	440	437
30	246	522	363	4410	---	1170	16900	1070	388	388	427	400
31	247	---	371	4580	---	950	---	788	---	411	412	---
TOTAL	7869	9065	12629	47204	78483	26999	80204	85906	20436	14178	11160	15556
MEAN	254	302	407	1523	2803	871	2673	2771	681	457	360	519
MAX	292	792	925	4580	10600	3070	16900	13900	1800	861	440	1240
MIN	235	246	318	363	549	396	397	492	387	348	322	343
CFSM	.52	.61	.83	3.10	5.70	1.77	5.43	5.63	1.38	.93	.73	1.06
IN.	.59	.69	.95	3.57	5.93	2.04	6.06	6.50	1.55	1.07	.84	1.18
CAL YR 1990	TOTAL	426943	MEAN	1170	MAX	38300	MIN	235	CFSM	2.38	IN	32.28
WTR YR 1991	TOTAL	409689	MEAN	1122	MAX	16900	MIN	235	CFSM	2.28	IN	30.98

TENNESSEE RIVER BASIN

TENNESSEE RIVER MAIN STEM

03589500 TENNESSEE RIVER AT FLORENCE, AL

LOCATION.--Lat 34°47'13", long 87°40'12", in SW4 sec. 14, T. 3 S., R. 11 W., Lauderdale County, Hydrologic Unit 06030005, on right bank at lower end of Patton Island, 137 ft upstream from Southern Railway bridge, 700 ft upstream from O'Neal Bridge on U.S. Highway 72, 1.1 mi south of Florence Post Office, 1.7 mi upstream from Cypress Creek, 2.7 mi downstream from Wilson Dam, and at mile 256.7.

DRAINAGE AREA.--30,810 mi², approximately.

PERIOD OF RECORD.--November 1871 to September 1894 (gage heights only), October 1894 to current year.

REVISED RECORD.--WSP 473: 1897(M). WSP 1306: 1914(M), 1936 (monthly runoff). WSP 1436: 1897, 1899, 1916.

GAGE.--Water-stage recorder. Datum of gage is 401.12 ft above National Geodetic Vertical Datum of 1929. Prior to Apr. 1, 1926, several National Weather Service staff gages at or near Southern Railway bridge 137 ft downstream at same datum. Apr. 1, 1926, to Mar. 11, 1958, water-stage recorder on left bank at lower end of old lock and dam, 1,400 ft upstream at same datum. Since Oct. 1, 1938, auxiliary water-stage recorder 15.2 mi downstream.

REMARKS.--Records fair except those below 25,000 ft³/s, which are poor. 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.--97 years, 51,850 ft³/s, 22.85 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 530,000 ft³/s, Mar. 17, 1973, maximum gage height, 32.5 ft, Mar. 19, 1897; minimum daily discharge, 105 ft³/s, Sept. 7, 1969 (computed on basis of Wilson Dam records), minimum gage height, -0.30 ft, Oct. 8, 1925, caused by filling of Wilson Lake.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1867 reached a stage of 31.1 ft, from National Weather Service records, discharge, 421,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 440,000 ft³/s, Dec. 23, maximum gage height, 27.58 ft, Dec. 23; minimum daily discharge, 17,400 ft³/s, Sept. 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26000	34200	39300	176000	52600	156000	152000	80600	29300	44500	45100	38700
2	28200	24800	31100	162000	39000	125000	143000	73000	30800	38900	47700	41700
3	28200	19700	57200	162000	31100	137000	134000	62700	45700	42200	36400	41500
4	30700	20800	62600	144000	35000	136000	88300	64300	50500	40300	39500	42400
5	27300	38300	63700	118000	35300	146000	65600	77300	42300	50800	35700	41600
6	20400	36100	58000	107000	38000	147000	45600	121000	42500	49200	36200	43200
7	20300	44400	56500	109000	43500	149000	44800	103000	40700	34700	35200	45100
8	35700	46300	33900	107000	46800	144000	55500	102000	36400	39600	34300	23500
9	32900	44600	28200	106000	35300	128000	55600	86200	19300	37700	33700	37500
10	36800	51300	43400	107000	30700	113000	66200	83600	29500	40400	33600	42000
11	34900	35900	47200	107000	34600	117000	69900	81100	22400	44900	37100	40100
12	35500	44400	42600	108000	37800	108000	79600	52000	26400	51200	40600	39500
13	21700	45200	45000	107000	38900	87700	76500	88400	25000	29200	38300	42400
14	20100	48600	41500	107000	46200	90300	91600	98600	36500	24300	40600	36900
15	33300	47600	32500	99900	66800	84900	138000	86700	40300	33500	47700	34300
16	30900	42600	29500	94100	67700	84000	127000	80100	44400	33200	52600	38900
17	42100	41800	32600	82500	64900	84500	91000	55000	37900	30200	31000	43200
18	35300	38900	45300	75800	122000	69300	84800	38600	38400	32800	37300	38700
19	32800	46500	68200	68900	302000	66100	75400	46600	41000	32800	41700	33100
20	26200	45200	70700	64500	359000	62200	74000	74100	39300	31400	41900	34800
21	23600	38200	98100	86800	348000	64400	69100	58900	41900	37800	37600	17400
22	43500	31900	213000	86800	307000	61400	52100	57000	39800	36000	39800	19700
23	41400	22400	390000	75800	275000	59300	49200	49100	55500	34200	39700	33700
24	48200	27100	405000	71800	263000	43900	43200	37100	42200	32400	23600	30100
25	45100	26200	392000	69500	231000	65000	38500	37700	60500	34400	33500	41600
26	40100	38400	344000	45800	214000	73000	36900	96000	51100	31300	35000	34300
27	31400	28300	277000	31900	189000	75300	35300	112000	55600	33900	39200	28100
28	20600	28100	245000	38900	178000	80600	51600	69700	62800	37400	47500	19500
29	36300	45300	208000	35800	---	133000	94900	67700	55700	34000	37400	21100
30	38100	46300	189000	49800	---	167000	91300	67300	38500	34200	43000	43600
31	37100	---	198000	50900	---	165000	---	58000	---	38900	38900	---
TOTAL	1004700	1129400	3888100	2856500	3532200	3222900	2320500	2265400	1222200	1146300	1201400	1068200
MEAN	32410	37650	125400	92150	126100	104000	77350	73080	40740	36980	38750	35610
MAX	48200	51300	405000	176000	359000	167000	152000	121000	62800	51200	52600	45100
MIN	20100	19700	28200	31900	30700	43900	35300	37100	19300	24300	23600	17400
CFSM	1.05	1.22	4.07	2.99	4.09	3.37	2.51	2.37	1.32	1.20	1.26	1.16
IN.	1.21	1.36	4.69	3.45	4.26	3.89	2.80	2.74	1.48	1.38	1.45	1.29

CAL YR 1990 TOTAL 25288200 MEAN 69280 MAX 405000 MIN 15300 CFSM 2.25 IN. 30.53
WTR YR 1991 TOTAL 24857800 MEAN 68100 MAX 405000 MIN 17400 CFSM 2.21 IN. 30.01

03592718 LITTLE YELLOW CREEK EAST NEAR BURNSVILLE, MS

LOCATION.--Lat 34°50'05", long 88°17'14", in SE¼ sec.7, T.3 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 06030005, on right bank at bridge on county road 0.2 mi northeast of Walker Siding and 2.0 mi east of Burnsville.

DRAINAGE AREA.--24.7 mi², Tennessee Valley Authority.

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

REVISED RECORDS.--WDR MS-78-1: 1973(M), 1976(M).

GAGE.--Water-stage recorder. Datum of gage is 429.51 ft Mississippi Highway Department datum.

REMARKS.--Estimated daily discharges: Dec. 18 - Jan. 29, Feb. 24 - Mar. 5, Mar. 23, May 15-17, May 23 - June 4. Records fair except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--18 years, 44.8 ft³/s, 24.63 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, not determined Dec. 26, 1982 (corrected), gage height, 21.74 ft, minimum, 1.5 ft³/s Sept. 9, 1984.

EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 3,180 ft³/s, gage height, 19.12 ft was measured Mar. 16, 1973.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 700 ft³/s, and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 19	0830	2,990	18.85	May 10	1945	704	13.69
Mar. 29	1445	1,310	15.61	May 12	1945	1,120	15.09
Apr. 14	1745	1,500	16.08	May 27	unknown	*3,900	*20.14
Apr. 28	1600	1,380	15.80	Jun 25	0100	849	14.23
May 5	1615	1,230	15.40				

Minimum discharge, 2.6 ft³/s Mar. 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	5.9	9.1	150	22	110	67	156	60	27	12	8.8
2	4.1	5.6	11	120	20	90	36	127	50	28	12	10
3	4.7	6.2	157	90	22	80	21	99	40	40	11	8.2
4	20	6.0	38	64	24	60	20	273	36	28	11	7.6
5	9.1	10	17	46	48	44	43	763	26	33	10	7.7
6	5.9	10	14	100	94	37	19	253	21	25	9.3	7.9
7	6.6	6.6	12	180	44	19	12	165	19	23	9.3	8.1
8	18	6.1	10	110	37	24	54	257	17	22	11	9.2
9	10	36	9.4	42	32	10	69	267	15	24	28	71
10	6.0	40	9.0	120	27	6.3	53	357	14	27	19	19
11	4.9	13	8.8	180	22	5.5	21	316	15	19	13	13
12	4.5	9.8	8.7	140	20	14	162	555	16	14	17	10
13	4.9	8.7	9.2	120	32	22	200	350	18	13	22	9.3
14	4.7	7.4	9.5	100	36	7.4	1070	212	22	12	9.7	9.8
15	4.4	6.9	8.3	88	23	4.8	538	150	16	11	9.4	14
16	4.2	8.7	10	91	20	3.9	159	110	18	10	9.4	13
17	4.1	6.8	88	75	54	5.0	101	90	20	9.8	9.0	13
18	7.0	6.8	160	60	1510	8.1	88	59	14	12	12	14
19	5.0	7.5	200	54	1720	3.9	105	55	12	54	8.6	13
20	4.6	7.8	300	60	190	3.1	56	47	12	18	7.3	13
21	4.5	8.1	200	54	44	2.9	34	40	11	13	6.8	13
22	7.2	8.6	100	47	30	35	26	34	31	11	7.3	13
23	8.5	10	50	42	100	362	26	32	39	10	6.9	14
24	6.0	8.5	30	36	30	74	17	30	131	10	6.3	50
25	5.3	7.7	100	32	20	17	14	100	310	138	9.9	44
26	5.1	7.8	220	35	40	12	13	500	73	57	22	12
27	5.5	8.9	140	40	64	14	59	2500	54	42	12	9.2
28	5.4	52	80	45	130	32	719	500	45	24	10	8.6
29	5.3	17	120	20	---	1000	871	150	37	19	15	8.3
30	5.5	10	150	27	---	258	249	90	31	16	12	8.1
31	6.9	---	250	24	---	112	---	75	---	14	9.7	---
TOTAL	202.3	354.4	2529.0	2392	4455	2476.9	4922	8712	1223	803.8	367.9	459.8
MEAN	6.53	11.8	81.6	77.2	159	79.9	164	281	40.8	25.9	11.9	15.3
MAX	20	52	300	180	1720	1000	1070	2500	310	138	28	71
MIN	4.1	5.6	8.3	20	20	2.9	12	30	11	9.8	6.3	7.6
CFSM	.26	.48	3.30	3.13	6.44	3.24	6.64	11.4	1.65	1.05	.48	.62
IN.	.30	.53	3.81	3.60	6.71	3.73	7.41	13.12	1.84	1.21	.55	.69

CAL YR 1990	TOTAL	17050.8	MEAN	46.7	MAX	1290	MIN	3.5	CFSM	1.89	IN	25.68
WTR YR 1991	TOTAL	28898.1	MEAN	79.2	MAX	2500	MIN	2.9	CFSM	3.21	IN	43.52

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS

LOCATION.--Lat 34°54'51", long 88°14'48", in SE¼ sec.9, T.2 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 06030005, at northern end of Tennessee-Tombigbee Waterway, near bridge on State Highway 25, 0.9 mi southeast of Cross Roads.

PERIOD OF RECORD.--December 1980 to current year (gage heights only).

REVISED RECORD.--WRD MS-84-1:1983(M,m).

GAGE.--Water-stage recorder. Datum of gage is 400.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--U.S. Army Corps of Engineers radio telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 19.02 ft, Feb. 20, 1991, minimum, 7.62 ft, Feb. 10, 1987.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 19.02 ft, Feb. 20; minimum, 8.49 ft, Feb. 15, Mar. 14.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.25	10.78	9.60	12.27	8.96	14.05	16.42	15.96	14.80	---	---	11.39
2	11.20	11.00	9.67	12.07	9.14	13.57	16.23	15.23	14.06	---	---	11.08
3	11.20	10.99	10.04	11.70	9.20	12.54	15.93	14.08	13.69	---	---	10.99
4	11.22	10.98	10.56	11.42	9.25	12.04	15.28	13.89	13.02	---	---	11.07
5	11.27	10.79	10.67	11.34	9.26	11.67	14.09	14.00	12.49	---	---	11.21
6	11.14	10.71	10.40	11.24	9.17	11.57	13.27	15.05	13.04	---	---	---
7	11.02	10.38	9.74	11.17	8.97	11.42	12.92	14.96	13.39	---	---	---
8	11.12	10.45	9.49	10.06	8.80	11.23	13.19	14.29	13.59	---	---	---
9	11.27	10.46	9.89	9.58	9.01	11.20	13.38	14.41	13.27	---	---	---
10	10.78	10.54	10.14	9.65	9.30	10.71	13.09	14.34	13.10	---	---	---
11	10.67	10.49	10.20	9.65	9.51	9.68	---	14.59	13.33	---	---	---
12	10.49	10.36	10.08	9.60	9.44	9.55	---	15.80	13.37	---	---	---
13	10.53	10.37	9.59	9.35	9.33	9.28	---	16.30	13.52	---	---	---
14	10.64	10.26	9.49	9.18	9.32	9.01	---	16.26	---	---	---	---
15	10.72	10.01	9.43	8.95	8.87	9.05	---	15.79	---	---	---	---
16	10.66	9.94	9.40	8.81	9.22	9.33	---	15.28	---	---	---	---
17	10.49	9.75	9.45	9.34	9.21	9.73	---	15.17	---	---	---	---
18	10.54	9.71	9.40	9.72	9.97	9.85	15.07	14.26	---	---	---	---
19	10.52	9.80	9.36	9.71	16.46	10.25	14.47	13.98	---	---	---	---
20	10.60	10.03	9.33	9.00	18.49	10.86	13.79	14.08	---	---	---	---
21	10.47	10.04	11.70	8.78	17.52	10.79	13.75	14.43	---	---	---	---
22	10.41	10.15	13.81	9.43	17.71	10.70	13.38	14.35	---	12.98	---	---
23	10.32	10.13	16.40	9.66	17.14	11.21	13.46	13.86	---	12.94	12.08	---
24	10.50	10.03	17.04	9.50	17.12	11.58	13.67	13.56	---	13.17	12.02	---
25	10.46	9.89	17.20	9.47	17.07	11.89	13.80	13.62	---	---	11.75	---
26	10.37	10.07	17.18	9.26	15.96	12.02	13.76	15.36	---	---	11.57	---
27	10.72	10.17	16.07	9.38	15.62	11.99	13.87	18.14	---	---	11.36	---
28	10.81	10.07	15.31	9.49	14.45	11.85	14.42	17.71	---	---	11.45	---
29	10.67	10.15	14.34	9.46	---	12.49	15.95	16.37	---	---	11.72	---
30	10.59	9.92	13.36	9.37	---	14.83	16.40	15.72	---	---	11.68	---
31	10.58	---	12.41	9.15	---	15.85	---	15.61	---	---	11.58	---
MEAN	10.75	10.28	11.64	9.90	11.91	11.35	---	15.05	---	---	---	---
MAX	11.27	11.00	17.20	12.27	18.49	15.85	---	18.14	---	---	---	---
MIN	10.32	9.71	9.33	8.78	8.80	9.01	---	13.56	---	---	---	---

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	258000	435000	325000	1248000	636000	1153000	1030000	795000	834000	419000	244000	189000
2	249000	422000	336000	1267000	559000	1177000	1049000	761000	836000	400000	244000	182000
3	240000	394000	358000	1292000	534000	1189000	1071000	745000	802000	378000	237000	174000
4	238000	357000	372000	1315000	528000	1190000	1100000	735000	753000	365000	227000	174000
5	230000	322000	383000	1332000	531000	1165000	1117000	727000	701000	359000	215000	178000
6	225000	293000	406000	1348000	551000	1122000	1121000	706000	664000	349000	203000	181000
7	227000	279000	451000	1360000	554000	1052000	1118000	687000	633000	341000	200000	184000
8	240000	272000	503000	1355000	567000	972000	1111000	686000	602000	337000	199000	187000
9	252000	273000	536000	1346000	599000	906000	1091000	693000	578000	333000	198000	189000
10	260000	276000	550000	1341000	643000	858000	1045000	714000	556000	324000	197000	181000
11	263000	275000	551000	1337000	693000	827000	966000	741000	538000	314000	199000	170000
12	269000	279000	540000	1361000	733000	815000	890000	774000	524000	321000	207000	164000
13	286600	285000	519000	1383000	768000	814000	825000	803000	498000	343000	220000	167000
14	301000	299000	482000	1410000	792000	813000	792000	811000	474000	364000	223000	176000
15	311000	319000	444000	1405000	805000	806000	785000	805000	463000	378000	223000	187000
16	312000	337000	407000	1399000	814000	794000	782000	795000	465000	374000	223000	192000
17	321000	347000	380000	1387000	828000	783000	809000	775000	471000	360000	223000	194000
18	343000	354000	386000	1372000	849000	778000	851000	763000	465000	348000	220000	197000
19	371000	351000	398000	1353000	873000	779000	902000	744000	457000	342000	215000	202000
20	396000	344000	438000	1332000	882000	788000	936000	721000	462000	328000	214000	203000
21	410000	333000	574000	1302000	913000	802000	959000	696000	472000	308000	216000	203000
22	411000	315000	705000	1265000	961000	813000	978000	681000	481000	295000	218000	203000
23	400000	298000	812000	1225000	985000	827000	993000	659000	484000	281000	221000	203000
24	392000	290000	911000	1185000	1003000	850000	1001000	630000	490000	271000	225000	203000
25	393000	286000	972000	1132000	1014000	883000	1000000	617000	488000	262000	221000	202000
26	401000	289000	1021000	1071000	1055000	911000	990000	622000	474000	256000	212000	198000
27	413000	298000	1078000	1000000	1093000	933000	979000	600000	460000	256000	207000	195000
28	422000	315000	1131000	922000	1125000	953000	949000	593000	44500			

07268000 LITTLE TALLAHATCHIE RIVER AT ETTA, MS

LOCATION.--Lat 34°29'00", long 89°13'30", in SE4SW4 sec.8, T.7 S., R.1 E., Chickasaw Meridian, Union County, Hydrologic Unit 08030201, on right bank at downstream side of bridge on State Highway 30, 0.8 mi northeast of Etta, 3.8 mi upstream from Puskus Creek, 5.0 mi downstream from Locks Creek, 12.3 mi west of New Albany, and 55.0 mi upstream from head of Panola-Quitman Floodway.

DRAINAGE AREA.--526 mi².

PERIOD OF RECORD.--September 1938 to current year. November 1936 to May 1937 (gage heights and discharge measurements only) in reports of U. S. Army 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 above National Geodetic Vertical Datum of 1929 (levels by U. S. Army Corps of Engineers). Nov. 23, 1936 to May 31, 1937, nonrecording gage at same site at datum 5.33 ft 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 higher.

REMARKS.--Estimated daily discharges: Mar. 23-29. Records good except for estimated daily discharges, which are poor. U.S. Army Corp of Engineers satellite telemeter at station.

AVERAGE DISCHARGE.--53 years, 872 ft³/s, 22.51 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 85,200 ft³/s, May 19, 1983, maximum gage height, 29.32 ft, Mar. 22, 1955, minimum discharge, 4.1 ft³/s, Oct. 3, 16, 1938.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 13,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 22	1830	21,900	25.42	Apr. 29	1500	26,100	26.37
Feb. 19	2200	*59,000	*29.27	May 13	1300	19,400	25.43
Apr. 15	0900	24,100	26.12	May 27	1100	25,000	26.23
Apr. 19	0900	13,800	24.57				

Minimum discharge, 22 ft³/s, Oct. 2,3,4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	44	172	1240	343	2690	1310	3590	824	327	60	91
2	24	45	159	847	326	3880	719	1400	750	281	56	74
3	23	45	4960	732	313	2100	613	1040	702	236	77	66
4	249	47	2240	647	313	1250	579	1160	787	212	58	62
5	161	54	629	604	674	754	1840	5530	632	180	50	57
6	44	74	441	595	2630	663	930	6720	573	159	48	57
7	34	64	376	1920	880	557	652	1820	538	138	51	56
8	38	57	331	1030	583	762	1330	1300	513	123	50	100
9	39	271	302	722	502	611	1190	4860	485	109	52	131
10	38	875	283	1890	456	484	686	3100	465	93	72	422
11	36	257	271	2550	406	442	530	1890	480	83	60	102
12	32	137	256	1100	373	452	1120	4650	611	79	52	71
13	32	107	248	752	383	2400	1650	16700	509	70	47	61
14	33	95	240	648	461	743	10000	9930	1050	63	47	56
15	32	92	236	652	358	503	17500	3180	487	68	46	52
16	31	90	282	752	286	441	5200	2500	447	87	46	50
17	32	90	2640	585	499	434	1610	1280	662	88	45	48
18	47	88	2890	527	10300	577	4050	6290	489	86	468	49
19	49	90	1460	509	33500	448	9540	4790	415	105	159	46
20	34	93	687	517	26200	407	3710	1440	392	101	65	43
21	32	96	8810	469	4560	368	1250	897	422	85	55	43
22	51	98	18300	429	2220	458	810	776	1990	75	55	44
23	70	110	11700	417	8620	800	694	690	1670	69	53	42
24	50	112	2500	411	3400	1300	587	632	1990	84	48	393
25	41	105	1010	389	1330	2000	506	650	2410	108	50	405
26	37	106	801	372	952	3000	447	5200	708	299	148	136
27	37	108	3500	373	793	4600	1600	19500	575	160	82	75
28	40	674	7390	425	705	7000	9380	6640	465	99	305	61
29	40	432	2220	396	---	10000	24600	1930	418	81	346	55
30	42	221	2430	405	---	9010	16100	1130	372	72	333	51
31	43	---	4190	381	---	2530	---	938	---	66	154	---
TOTAL	1518	4777	81954	23286	102366	61664	120733	122153	22831	3886	3238	2999
MEAN	49.0	159	2644	751	3656	1989	4024	3940	761	125	104	100
MAX	249	875	18300	2550	33500	10000	24600	19500	2410	327	468	422
MIN	23	44	159	372	286	368	447	632	372	63	45	42
CFSM	.09	.30	5.03	1.43	6.95	3.78	7.65	7.49	1.45	.24	.20	.19
IN.	.11	.34	5.80	1.65	7.24	4.36	8.54	8.64	1.61	.27	.23	.21

CAL YR 1990	TOTAL	399982	MEAN	1096	MAX	34700	MIN	20	CFSM	2.08	IN	28.29
WTR YR 1991	TOTAL	551405	MEAN	1511	MAX	33500	MIN	23	CFSM	2.87	IN	39.00

07273100 HOTOPHA CREEK NEAR BATESVILLE, MS

LOCATION.--Lat 34°21'50", long 89°52'42", in NW4NW4 sec.30, T.8 S., R.6 W., Chickasaw Meridian, Panola County, Hydrologic Unit 08030201, on left bank at upstream side of bridge on State Highway 35, 1.2 mi upstream from mouth, 3.6 mi downstream from Harris Creek, and 4.4 mi northeast of Batesville.

DRAINAGE AREA.--35.1 mi².

PERIOD OF RECORD.--Water years 1975, 1986 to current year.

PERIOD OF DAILY RECORD.--

DISCHARGE: March 1986 to current year.

SPECIFIC CONDUCTANCE: June 1986 to February 1987.

pH: February to March 1987.

WATER TEMPERATURE: April 1986 to March 1987.

SUSPENDED SEDIMENT CONCENTRATION: March 1986 to current year.

SUSPENDED SEDIMENT DISCHARGE: March 1986 to current year.

INSTRUMENTATION.--Water-stage recorder and crest-stage gage. Datum of gage is 195.45 ft above National Geodetic Vertical Datum of 1929. Automatic pumping sediment sampler since March 1986.

REMARKS.--Unpublished records of daily specific conductance, pH, and water temperature during selected storm events are available in files of District office. Estimated daily discharges: May 15-24, May 27-June 11. Discharge records fair except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--5 years, 68.6 ft³/s, 26.55 in/yr.

EXTREMES FOR PERIOD OF DAILY RECORD.--

DISCHARGE: Maximum, 10,400 ft³/s, Feb. 19, 1991, gage height, 16.83 ft; minimum, 2.1 ft³/s, July 31, Aug. 1, 1986.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 4,460 mg/L, Feb. 3, 1990; minimum daily mean, 1 mg/L, on several days during October 1989.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 63,800 tons, Feb. 3, 1990; minimum daily, 0.01 ton, on several days during October 1989.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum, 10,400 ft³/s, Feb. 19, gage height, 16.83 ft; minimum, 5.3 ft³/s, Oct. 15, 16, 17.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 3,030 mg/L, Feb. 19; minimum daily mean, 2 mg/L, Feb. 3, 4.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 44,000 tons, Feb. 19; minimum daily, 0.08 ton, Feb. 4

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV												
14...	1435	13	83	7.2	19.0	8.2	0.010	0.040	0.020	0.070	0.040	2.7
26...	1530	11	84	7.3	20.5	8.0	0.010	0.020	0.010	0.070	0.040	2.3
DEC												
11...	0930	8.4	71	7.2	6.0	12.0	<0.010	0.060	0.030	0.060	0.050	3.0
18...	1310	523	44	6.6	14.0	9.3	0.020	0.120	0.040	0.390	0.080	9.3
18...	1435	490	--	--	--	--	--	--	--	--	--	--
JAN												
08...	1615	35	60	6.6	8.0	11.2	0.020	0.170	0.050	0.070	0.060	1.9
23...	1250	18	82	7.0	7.5	11.5	0.010	0.170	0.070	0.060	0.030	2.5
FEB												
07...	0930	65	50	6.7	11.0	10.0	0.070	0.070	0.030	0.100	0.070	3.8
20...	0800	298	34	6.3	10.5	11.8	0.040	0.190	0.040	0.250	0.110	5.1
26...	1300	85	32	6.1	11.5	12.1	0.020	0.100	0.030	0.060	0.020	6.9
MAR												
05...	1230	87	43	6.5	12.0	10.5	0.020	0.150	0.040	0.090	0.060	2.8
19...	1435	49	53	6.7	19.0	9.0	0.010	0.100	0.020	0.080	0.050	3.7
APR												
02...	1400	32	58	7.1	21.5	8.7	<0.010	0.130	0.020	0.090	0.050	3.1
16...	1630	62	37	6.5	22.0	8.5	0.020	0.130	0.020	0.140	0.060	4.5
MAY												
01...	1845	155	40	6.4	21.5	8.6	0.010	0.150	0.030	0.110	0.060	4.5
14...	1905	176	48	6.8	28.0	7.6	0.010	0.110	0.020	0.070	0.040	3.3
28...	1600	412	65	7.3	29.5	7.2	0.010	0.160	0.030	0.070	0.070	4.2
JUN												
11...	1830	37	75	6.9	29.0	7.6	0.020	0.170	0.030	0.160	0.100	3.0
25...	1845	24	--	7.0	29.0	7.0	<0.010	0.080	0.020	0.140	0.130	6.1
JUL												
09...	1530	9.4	84	7.2	37.0	8.0	0.010	0.060	0.030	0.060	0.040	1.6
23...	1515	9.8	86	7.3	37.5	7.0	<0.010	0.030	0.020	0.060	0.030	2.1
AUG												
07...	1030	3.5	103	7.0	31.0	7.8	<0.010	0.050	0.030	0.050	0.050	1.6
13...	1420	9.1	98	7.5	30.0	7.7	<0.010	0.040	0.010	0.050	0.020	1.7
22...	0930	7.6	101	7.4	23.5	8.4	<0.010	0.070	0.020	0.030	0.020	1.7
SEP												
04...	1220	11	93	7.4	28.5	7.5	0.020	0.120	0.030	0.110	0.090	2.7
17...	1550	9.8	91	6.9	31.0	7.2	<0.010	0.050	0.020	0.020	0.020	2.7

07273100 HOTOPHA CREEK NEAR BATESVILLE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	ALDI-CARB WATER WHOLE TOT.REC (UG/L) (82619)	ALDI-CARB SULFONE WATER WHOLE TOT.REC (UG/L) (82587)	ALDICAR SULF- OXIDE WATER WHOLE TOT.REC (UG/L) (82586)	ALDRIN, TOTAL IN BOT- TOM MA- TERRIAL (UG/L) (39330)	ALDRIN, TOTAL TERRIAL (UG/KG) (39333)	CARBO- FURAN WATER WHOLE TOT.REC (UG/L) (82615)	3-HYDRX CARBO- FURAN WATER WHOLE TOT.REC (UG/L) (82584)	CHLOR- DANE, TOTAL TERRIAL (UG/L) (39350)	CHLOR- DANE, TOTAL TERRIAL (UG/KG) (39351)	CHLOR- DYRIFOS TOTAL RECOVER (UG/L) (38932)	DDD, TOTAL TERRIAL (UG/L) (39360)	DDD, TOTAL TERRIAL (UG/KG) (39363)
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--
APR 02...	<0.5	<0.5	<0.5	<0.010	--	<0.5	<0.5	<0.1	--	<0.01	<0.010	--
JUN 25...	--	--	--	--	<0.1	--	--	--	<1.0	--	--	<0.1
DATE	DDE, TOTAL (UG/L) (39365)	DDE, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39368)	DDT, TOTAL (UG/L) (39370)	DDT, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39373)	DEF TOTAL (UG/L) (39040)	DI- AZINON, TOTAL (UG/L) (39570)	DI- AZINON, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39571)	DI- ELDRIN TOTAL (UG/L) (39380)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39383)	DI- SYSTON TOTAL (UG/L) (39011)	ENDO- SULFAN, TOTAL (UG/L) (39388)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39389)
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--
APR 02...	<0.010	--	<0.010	--	<0.01	<0.01	--	<0.010	--	<0.01	<0.010	--
JUN 25...	--	<0.1	--	0.1	--	--	<0.1	--	<0.1	--	--	<0.1
DATE	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39393)	ETHION, TOTAL (UG/L) (39398)	ETHION, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39399)	FONOFOS (DY- FONATE) WATER WHOLE TOT.REC (UG/L) (82614)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39413)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	HEPTA- CHLOR EPOXIDE TOTAL MATL. (UG/KG) (39423)	LINDANE TOTAL (UG/L) (39340)	LINDANE TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39343)	MALA- THION, TOTAL (UG/L) (39530)
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--
APR 02...	<0.010	--	<0.01	--	<0.0	<0.010	--	<0.010	--	<0.010	--	<0.01
JUN 25...	--	<0.1	--	<0.1	--	--	<0.1	--	<0.1	--	<0.1	--
DATE	MALA- THION, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39531)	METHO- MYL TOTAL (UG/L) (39051)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39481)	METHYL PARA- THION, TOTAL (UG/L) (39600)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39601)	METHYL TRI- THION, TOTAL (UG/L) (39790)	METHYL TRI- THION, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39791)	MIREX, TOTAL (UG/L) (39755)	MIREX, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39758)	1-NAPH- THOL WATER WHOLE REC (MG/L) (77441)	OXYAMYL WATER WHOLE TOT.REC (UG/L) (82613)
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--
APR 02...	--	<0.5	<0.01	--	<0.01	--	<0.01	--	<0.01	--	<0.5	<0.5
JUN 25...	<0.1	--	--	<1.0	--	<0.1	--	<0.1	--	<0.1	--	--
DATE	PARA- THION, TOTAL (UG/L) (39540)	PARA- THION, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39541)	PCB, TOTAL (UG/L) (39516)	PCB, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39519)	NAPH- THA- LENES, TOTAL (UG/L) (39250)	PCN, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39251)	PER- THANE TOTAL (UG/L) (39034)	PER- THANE TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (81886)	PHORATE TOTAL (UG/L) (39023)	PROPHAM TOTAL (UG/L) (39052)	SEVIN, TOTAL (UG/L) (39750)	TOX- APHENE, TOTAL (UG/L) (39400)
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--
APR 02...	<0.01	--	<0.1	--	<0.10	--	<0.1	--	<0.01	<0.5	<0.50	<1
JUN 25...	--	<0.1	--	<1	--	<1.0	--	<1.00	--	--	--	--

07273100 HOTOPHA CREEK NEAR BATESVILLE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39403)	TOTAL TRI- THION (UG/L) (39786)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39787)	2,4-D, TOTAL (UG/L) (39730)	2, 4-DP TOTAL (UG/L) (82183)	2,4,5-T TOTAL (UG/L) (39740)	ALA- CHLOR TOTAL RECOVER (UG/L) (77825)	AME- TRYNE TOTAL (82184)	ATRA- ZINE, TOTAL (UG/L) (39630)	BROM- ACIL WATER WHLREC (UG/L) (30234)	BUTA- CHLOR WATER WHLREC (UG/L) (30235)
FEB 20...	--	--	--	<0.01	<0.01	<0.01	<0.20	<0.10	<0.10	<0.2	<0.1
APR 02...	--	<0.01	--	--	--	--	--	--	--	--	--
JUN 25...	<10	--	<0.1	--	--	--	--	--	--	--	--
DATE	BUTYL- ATE WATER WHLREC (UG/L) (30236)	CARBOX- IN WATER WHOLE RECOV- ERABLE (UG/L) (30245)	CYAN- AZINE TOTAL (UG/L) (81757)	CYCLO- ATE WATER WHOLE RECOV- ERABLE (UG/L) (30254)	DEETHYL ATRA- ZINE, WATER, WHOLE, TOTAL (UG/L) (75981)	DE-ISO PROPYL ATRAZIN WATER, WHOLE, TOTAL (UG/L) (75980)	DICAMBA (MED- IBEN) (BAN- VEL D) TOTAL (UG/L) (82052)	DIPHEN- AMID WATER WHOLE RECOV- ERABLE (UG/L) (30255)	HEXAZI- NONE WATER WHOLE RECOV- ERABLE (UG/L) (30264)	METOLA- CHLOR WATER WHOLE TOT.REC (UG/L) (82612)	METRI- BUZIN WATER WHOLE TOT.REC (UG/L) (82611)
FEB 20...	<0.1	<0.2	<0.20	<0.1	<0	<0	<0.01	<0.1	<0.2	<0.2	<0.1
APR 02...	--	--	--	--	--	--	--	--	--	--	--
JUN 25...	--	--	--	--	--	--	--	--	--	--	--
DATE	PICLO- RAM (TOR- DON) (AMDON) TOTAL (UG/L) (39720)	PROME- TONE TOTAL (UG/L) (39056)	PROME- TRYNE TOTAL (UG/L) (39057)	PROPA- CHLOR WATER WHOLE RECOV. (UG/L) (30295)	PRO- PAZINE TOTAL (UG/L) (39024)	SILVEX, TOTAL (UG/L) (39760)	SIMA- ZINE TOTAL (UG/L) (39055)	SIME- TRYNE TOTAL (UG/L) (39054)	TER- BACIL WATER WHOLE RECOV. (UG/L) (30311)	TRI- FLURA- LIN TOTAL RECOVER (UG/L) (39030)	VER- NOLATE WATER WHOLE RECOV. (UG/L) (30324)
FEB 20...	<0.01	<0.2	<0.1	<0.1	<0.10	<0.01	<0.10	<0.1	<0.2	<0.10	<0.1
APR 02...	--	--	--	--	--	--	--	--	--	--	--
JUN 25...	--	--	--	--	--	--	--	--	--	--	--

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .002 MM (70337)	SED. SUSP. FALL DIAM. % FINER THAN .004 MM (70338)	SED. SUSP. FALL DIAM. % FINER THAN .008 MM (70339)	SED. SUSP. FALL DIAM. % FINER THAN .016 MM (70340)	SED. SUSP. FALL DIAM. % FINER THAN .031 MM (70341)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)
DEC 18...	1435	12	13	17	26	41	47	50	80	100

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK) (00002)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM (80164)	BED MAT. SIEVE DIAM. % FINER THAN .125 MM (80165)	BED MAT. SIEVE DIAM. % FINER THAN .250 MM (80166)	BED MAT. SIEVE DIAM. % FINER THAN .500 MM (80167)	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM (80168)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)
DEC 18...	1437	25.0	<1	1	7	75	99	--	--
18...	1439	50.0	<1	1	16	88	100	--	--
18...	1441	75.0	<1	1	29	97	100	--	--
SEP 17...	1552	25.0	1	1	20	89	98	99	99
17...	1554	50.0	1	1	20	91	98	99	100
17...	1556	75.0	1	2	13	82	99	100	--

07273100 HOTOPHA CREEK NEAR BATESVILLE, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
OCTOBER				NOVEMBER			DECEMBER		
1	6.2	26	.44	6.8	11	.21	20	21	1.1
2	5.7	26	.39	6.9	10	.20	19	18	.90
3	6.3	30	.51	6.9	10	.18	317	833	1250
4	201	1500	1410	6.8	9	.17	52	55	8.4
5	17	111	5.3	15	25	1.2	29	30	2.3
6	8.9	45	1.1	12	15	.46	22	27	1.6
7	6.1	27	.45	9.4	10	.26	14	24	.95
8	15	51	2.2	8.5	9	.21	10	22	.60
9	27	77	8.6	101	509	316	8.7	20	.47
10	18	54	2.8	67	256	75	8.4	20	.45
11	9.6	30	.79	28	61	4.6	8.4	15	.35
12	7.5	23	.46	18	49	2.4	8.8	14	.33
13	6.6	21	.38	14	41	1.6	9.1	14	.35
14	5.7	21	.32	13	39	1.3	9.4	19	.48
15	5.5	20	.30	11	35	1.1	11	25	.76
16	5.3	20	.28	11	31	.95	16	23	.99
17	6.2	19	.32	11	27	.78	259	840	939
18	7.2	18	.35	10	24	.68	323	873	906
19	6.1	17	.28	10	23	.64	126	113	47
20	5.7	16	.25	10	22	.61	90	163	300
21	5.7	16	.24	10	21	.59	1060	1090	5370
22	9.0	26	.67	11	20	.62	563	605	1320
23	9.4	25	.64	14	19	.73	133	74	27
24	7.2	19	.36	12	19	.61	42	45	5.1
25	6.5	17	.30	11	18	.54	22	41	2.4
26	6.5	16	.29	11	16	.49	18	38	1.9
27	6.5	15	.27	12	15	.49	470	495	1280
28	6.5	15	.26	133	557	274	208	96	66
29	6.4	14	.24	35	64	6.2	53	25	3.7
30	6.3	13	.22	23	28	1.8	123	122	82
31	6.7	12	.22	---	---	---	80	62	16
JANUARY				FEBRUARY			MARCH		
1	31	38	3.2	16	7	.31	547	894	2360
2	26	38	2.6	15	4	.17	208	300	179
3	22	33	2.0	15	2	.09	901	994	3710
4	21	30	1.7	15	2	.08	155	178	80
5	18	27	1.3	340	440	585	88	99	24
6	18	23	1.2	241	161	122	77	96	20
7	121	152	72	63	64	12	68	83	15
8	39	35	3.7	37	28	2.8	71	91	17
9	28	26	2.0	29	13	1.0	68	76	14
10	228	410	435	26	9	.62	63	60	10
11	135	78	32	22	7	.43	64	48	8.3
12	56	26	4.1	19	8	.40	65	46	8.2
13	37	17	1.7	21	8	.46	70	46	8.7
14	29	12	.93	23	9	.57	57	45	6.9
15	31	12	1.0	18	11	.51	51	43	5.9
16	33	13	1.1	16	11	.48	46	40	4.9
17	24	15	.97	29	45	4.1	51	36	4.9
18	23	11	.67	2570	2560	26500	56	33	4.9
19	22	10	.59	3990	3030	44000	50	31	4.2
20	22	10	.57	293	981	825	49	31	4.1
21	20	9	.51	153	352	147	49	29	3.9
22	18	9	.45	1140	1240	11100	171	524	790
23	18	9	.41	717	1180	3690	172	308	205
24	18	8	.39	126	320	114	63	73	13
25	17	8	.36	91	153	38	46	56	6.9
26	16	8	.35	87	134	31	34	52	4.8
27	17	8	.37	86	131	30	31	51	4.2
28	19	8	.41	80	110	24	75	190	238
29	19	9	.47	---	---	---	884	1090	2960
30	18	11	.51	---	---	---	200	237	138
31	17	10	.44	---	---	---	72	99	20

07273100 HOTOPHA CREEK NEAR BATESVILLE, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
APRIL			MAY			JUNE			
1	45	52	6.4	164	129	57	23	20	1.3
2	32	65	5.5	107	101	29	22	23	1.3
3	26	56	4.0	74	68	14	21	25	1.4
4	209	451	441	49	46	6.0	20	43	2.3
5	102	180	53	419	962	1720	20	30	1.6
6	53	81	12	90	194	53	19	27	1.4
7	134	399	508	50	108	14	18	26	1.3
8	613	923	1710	71	186	88	18	26	1.3
9	212	168	101	126	247	113	17	26	1.2
10	90	105	26	62	80	13	17	26	1.2
11	61	86	15	57	81	13	35	34	2.3
12	152	159	88	70	91	31	33	37	3.3
13	394	896	1460	146	209	134	29	29	2.3
14	2640	2770	23400	122	48	17	107	316	169
15	347	716	889	400	58	63	31	72	6.1
16	82	261	60	150	92	37	24	40	2.6
17	44	201	24	54	96	14	31	65	5.7
18	783	1360	4730	60	119	19	23	39	2.5
19	280	398	314	45	46	5.6	20	28	1.6
20	108	138	42	37	42	4.2	19	24	1.2
21	62	92	16	33	38	3.4	18	20	.96
22	60	79	13	30	31	2.5	497	1300	4970
23	57	64	9.9	27	43	3.1	96	96	30
24	46	51	6.2	26	63	4.4	26	22	1.6
25	42	46	5.2	168	687	684	66	158	47
26	35	37	3.5	286	595	578	15	45	1.8
27	307	514	928	120	149	48	12	36	1.2
28	2270	2340	23200	60	37	6.1	11	33	1.0
29	1800	2030	13500	35	24	2.2	10	29	.82
30	205	454	258	26	21	1.5	9.4	26	.66
31	---	---	---	24	18	1.2	---	---	---
JULY			AUGUST			SEPTEMBER			
1	8.6	23	.53	8.2	8	.19	17	89	3.9
2	8.1	20	.45	8.3	9	.20	13	82	2.8
3	8.5	17	.39	8.8	11	.25	12	75	2.4
4	13	27	.95	8.8	13	.31	11	65	2.0
5	11	22	.64	8.6	16	.38	26	118	21
6	9.6	21	.54	8.5	20	.46	18	49	2.7
7	9.4	21	.53	8.5	22	.51	29	91	22
8	8.8	18	.42	8.6	17	.41	15	51	2.1
9	9.0	14	.34	8.8	13	.31	18	49	3.4
10	9.6	11	.28	9.4	10	.25	17	62	3.1
11	9.8	10	.25	9.8	10	.27	13	25	.87
12	9.7	9	.24	9.9	13	.34	11	11	.34
13	8.6	9	.20	9.4	19	.47	11	10	.31
14	8.7	8	.20	9.1	16	.39	11	12	.35
15	8.8	8	.19	9.0	12	.29	10	14	.38
16	9.1	9	.23	8.5	11	.26	9.8	15	.40
17	9.8	10	.26	8.5	11	.26	9.8	14	.38
18	71	436	417	8.7	12	.27	9.8	12	.33
19	32	444	46	8.2	12	.27	9.5	11	.28
20	15	94	4.0	7.9	13	.29	9.3	9	.23
21	12	37	1.2	7.7	15	.31	9.1	8	.19
22	11	18	.53	7.6	11	.22	9.1	7	.17
23	9.8	15	.41	7.6	10	.21	9.1	6	.14
24	9.8	12	.32	7.3	10	.20	125	474	344
25	9.6	10	.27	7.1	10	.19	31	91	8.3
26	9.7	10	.26	7.8	10	.21	17	37	1.7
27	9.9	9	.25	8.1	10	.22	12	23	.78
28	9.3	9	.22	10	21	.84	11	16	.47
29	9.0	8	.20	14	61	2.3	10	14	.39
30	8.2	8	.17	74	224	195	9.4	14	.36
31	8.2	7	.16	58	62	12	---	---	---

07274000 YOCONA RIVER NEAR OXFORD, MS

LOCATION.--Lat 34°16'23", long 89°31'11", in SE4NW4 sec.28, T.9 S., R.3 W., Chickasaw Meridian, Lafayette County, Hydrologic Unit 08030203, near left bank on downstream end of pier cap of bridge on State Highway 7, 1.5 mi downstream from Burney Branch, 6 mi south of Oxford, and at mile 42.3.

DRAINAGE AREA.--262 mi².

PERIOD OF RECORD.--October 1951 to current year in reports of Geological Survey. May 1946 to September 1951 in reports of U. S. Army Corps of Engineers, Vicksburg district.

REVISED RECORDS.--WDR MS-84-1:1978.

GAGE.--Water-stage recorder. Datum of gage is 267.20 ft above National Geodetic Vertical Datum of 1929. Prior to Jan. 1, 1972, at datum 5.00 ft higher.

REMARKS.--Estimated daily discharges: Nov. 10 - 27, Dec. 21 - 23, Feb. 21 - 22. Records good, except for estimated discharges, which are poor. U.S. Army Corps of Engineers satellite telemeter at station.

AVERAGE DISCHARGE.--45 years, 400 ft³/s, 21.39 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 44,100 ft³/s, Mar. 21, 1955, gage height, 28.72 ft, present datum, from rating curve extended above 22,000 ft³/s, minimum, 4.4 ft³/s, Sept. 14, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 22	----	unknown	unknown	Apr. 14	2400	9,170	25.95
Feb. 19	1900	*24,300	*28.02	Apr. 29	1200	17,900	27.33

Minimum discharge, 23 ft³/s, Oct. 1,2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	90	75	975	190	1570	1070	2820	728	200	48	46
2	24	90	63	742	179	1850	794	1840	586	176	46	46
3	27	89	2120	594	175	2020	622	1430	474	162	50	45
4	271	91	835	457	181	1440	527	1290	756	200	44	40
5	65	128	762	390	500	1100	896	2690	520	163	42	40
6	45	102	608	356	995	783	730	2450	358	143	41	44
7	34	97	350	570	722	581	618	1560	311	133	93	43
8	36	87	250	647	545	561	1450	1130	284	130	148	50
9	39	428	213	596	385	487	1060	1400	257	118	69	131
10	37	500	188	833	322	423	944	1450	239	108	67	184
11	35	273	176	934	281	384	676	2050	274	103	61	74
12	36	146	164	781	252	416	845	2180	482	96	52	52
13	36	114	157	623	259	1420	1400	3880	537	89	43	45
14	38	91	149	448	264	824	5850	2410	454	94	42	41
15	42	77	147	400	227	558	6680	1710	731	81	41	39
16	45	70	156	411	201	401	2910	1910	628	72	39	38
17	49	62	1190	345	293	380	1690	1210	997	68	39	37
18	80	54	1240	301	4310	391	2560	1870	822	73	40	36
19	74	51	981	283	20800	346	3840	1220	786	114	38	36
20	66	47	780	276	12300	311	3510	1030	479	118	37	36
21	69	42	3000	251	3340	291	2020	833	329	80	34	34
22	93	43	12000	227	3000	476	1410	646	1020	71	36	36
23	119	43	5000	216	4750	922	1110	530	942	67	34	35
24	108	37	1730	211	2450	637	902	486	844	59	33	126
25	102	33	1150	203	1570	472	734	1090	1120	74	39	105
26	96	31	857	195	1230	355	583	3650	953	81	53	80
27	93	42	1900	193	1070	323	1230	3730	743	68	43	57
28	91	321	2280	211	932	423	6220	2830	454	64	136	46
29	88	177	1620	212	---	3820	15500	1750	308	57	132	43
30	88	100	1710	229	---	3320	7960	1230	240	53	76	41
31	89	---	1590	208	---	1790	---	901	---	52	60	---
TOTAL	2138	3556	43441	13318	61723	29075	76341	55206	17656	3167	1756	1706
MEAN	69.0	119	1401	430	2204	938	2545	1781	589	102	56.6	56.9
MAX	271	500	12000	975	20800	3820	15500	3880	1120	200	148	184
MIN	23	31	63	193	175	291	527	486	239	52	33	34
CFSM	.26	.45	5.35	1.64	8.41	3.58	9.71	6.80	2.25	.39	.22	.22
IN.	.30	.50	6.17	1.89	8.76	4.13	10.84	7.84	2.51	.45	.25	.24

CAL YR 1990	TOTAL	198355	MEAN 543	MAX 12000	MIN 15	CFSM 2.07	IN 28.16
WTR YR 1991	TOTAL	309083	MEAN 847	MAX 20800	MIN 23	CFSM 3.23	IN 43.88

07274251 TOWN CREEK AT WATER VALLEY, MS

LOCATION.--Lat 34°08'50", long 89°38'02", NE¼ sec.8, T.11 S., R.4 W., Chickasaw Meridian, Yalobusha County, Hydrologic Unit 08030203, 30 feet upstream of triple box culvert on right bank, 0.3 mi south of the intersection of Mississippi State Highways 7 and 315, on Mississippi State Highway 7 in Water Valley.

DRAINAGE AREA.--2.25 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1985 to current year.

GAGE.--Water-stage recorder, crest-stage gage, and culvert control. Datum of gage is 276.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Dec. 7-17, Dec. 24 to Feb7, Apr. 18-25, May 1-14, Sept. 6-23. Records fair except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--6 years, 5.70 ft³/s, 34.40 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,800 ft³/s, Dec. 21, 1990, gage height, 11.00 ft. minimum, 1.4 ft³/s, Oct. 2-3, 1990.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,800 ft³/s, Dec. 21, gage height, 11.00 ft. minimum, 1.4 ft³/s, Oct. 2,3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.1	2.3	2.5	3.4	3.2	19	3.9	9.0	3.4	2.8	2.6	2.5
2	2.0	2.3	2.5	3.1	3.0	6.6	3.6	6.0	3.3	2.8	2.6	3.2
3	2.0	2.3	68	2.9	15	52	3.4	5.4	3.2	3.2	2.6	2.5
4	7.5	2.3	2.8	2.7	3.5	7.5	3.9	4.7	3.2	2.9	2.6	2.6
5	2.2	4.8	2.6	2.6	3.2	5.6	6.1	32	3.2	2.8	2.6	2.6
6	2.0	2.4	2.6	10	3.1	5.0	3.5	15	3.1	2.8	2.6	2.6
7	2.0	2.5	2.6	5.4	3.0	4.1	3.9	7.0	3.0	2.8	2.5	2.7
8	2.9	2.5	2.6	3.1	3.0	4.1	12	6.0	3.0	2.8	2.5	2.7
9	2.2	15	2.5	23	3.0	3.3	4.4	16	3.0	3.3	2.5	2.7
10	2.3	2.7	2.5	10	3.0	3.2	3.4	9.0	3.0	2.9	2.5	3.2
11	2.2	2.5	2.5	39	2.9	3.1	4.7	23	6.2	2.8	2.5	3.0
12	2.3	2.5	2.5	3.4	2.9	3.4	11	12	3.1	2.8	2.5	2.7
13	2.3	2.4	2.6	3.0	3.2	3.2	13	19	7.9	3.0	2.5	2.7
14	2.3	2.4	2.9	4.2	2.9	2.9	234	8.8	3.3	2.8	2.5	2.7
15	2.3	2.5	3.4	4.5	2.8	2.8	23	8.2	3.0	2.8	2.5	2.7
16	2.3	2.4	40	3.0	2.8	2.8	9.2	7.8	4.8	2.8	2.5	2.7
17	2.4	2.5	17	2.7	4.1	3.1	7.1	24	3.2	2.8	2.5	2.7
18	3.1	2.5	9.5	2.6	221	2.9	40	17	3.0	2.9	2.5	3.2
19	2.3	2.5	3.8	2.6	556	2.6	9.4	7.6	2.9	2.8	2.5	2.8
20	2.3	2.5	20	2.5	26	2.6	7.0	5.0	3.0	2.8	2.5	2.8
21	2.5	2.3	229	2.6	12	2.6	5.4	4.5	4.9	2.8	2.8	2.8
22	2.8	3.1	77	2.6	64	18	4.7	4.0	3.4	2.8	3.0	2.8
23	2.6	2.4	11	3.5	24	5.0	4.4	3.9	3.0	2.7	3.0	5.0
24	2.6	2.3	6.2	3.0	7.6	3.0	4.3	3.9	2.8	2.6	2.9	6.6
25	2.5	2.4	3.7	2.7	5.6	2.8	4.2	4.7	2.8	2.9	3.6	3.3
26	2.6	2.5	11	2.6	4.6	2.8	4.1	7.6	2.8	3.1	2.9	3.0
27	2.5	3.1	31	4.0	4.0	3.5	34	4.6	2.8	2.8	2.9	3.0
28	2.5	11	6.4	2.8	3.6	8.4	116	3.9	2.8	2.8	3.0	3.0
29	2.3	2.5	22	4.0	---	43	279	3.8	2.8	2.6	2.5	3.0
30	2.3	2.5	5.0	3.0	---	6.4	23	3.6	2.8	2.6	4.0	3.0
31	2.3	---	4.0	3.5	---	4.4	---	3.4	---	2.6	3.3	---
TOTAL	78.5	97.9	601.7	168.0	993.0	239.7	885.6	290.4	102.7	87.7	84.5	90.8
MEAN	2.53	3.26	19.4	5.42	35.5	7.73	29.5	9.37	3.42	2.83	2.73	3.03
MAX	7.5	15	229	39	556	52	279	32	7.9	3.3	4.0	6.6
MIN	2.0	2.3	2.5	2.5	2.8	2.6	3.4	3.4	2.8	2.6	2.5	2.5
CFSM	1.12	1.45	8.62	2.41	15.8	3.44	13.1	4.16	1.52	1.26	1.21	1.35
IN.	1.30	1.62	9.94	2.78	16.41	3.96	14.64	4.80	1.70	1.45	1.40	1.50
CAL YR 1990	TOTAL	2581.0	MEAN	7.07	MAX	338	MIN	1.9	CFSM	3.14	IN	42.65
WTR YR 1991	TOTAL	3720.5	MEAN	10.2	MAX	556	MIN	2.0	CFSM	4.53	IN	61.48

YAZOO RIVER BASIN

07274251 TOWN CREEK AT WATER VALLEY, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1976, 1988 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	
APR									
11...	1800	6.3	78	6.6	18.0	8.9	7600	5400	
11...	2400	5.5	72	6.9	17.0	9.4	11000	8600	
12...	0600	3.9	81	7.0	16.0	9.4	K2100	2100	
12...	1200	3.6	83	6.9	17.5	9.8	150	440	
12...	1800	31	52	6.9	17.0	9.3	700	K15000	
12...	2400	9.4	54	6.8	16.5	9.5	1100	4500	
13...	0615	7.2	72	6.5	16.0	9.3	180	2200	
13...	1200	6.9	73	6.4	17.0	9.4	2600	1800	
13...	1800	5.7	73	6.6	19.0	9.4	2200	420	
AUG									
20...	1230	2.5	73	6.8	21.0	10.2	210	150	
20...	1830	2.5	72	6.7	21.0	9.0	2200	250	
21...	0030	2.7	70	6.8	18.0	8.2	2400	440	
21...	0630	2.8	71	6.8	17.0	8.3	K1100	370	
21...	1230	2.8	72	6.8	19.5	10.3	440	220	
21...	1830	2.8	71	6.9	19.0	9.1	110	220	
22...	0030	2.8	70	6.7	18.0	8.2	900	600	
22...	0630	3.0	70	6.8	17.0	8.2	1200	720	
22...	1230	3.0	74	6.9	20.5	10.2	420	120	
DATE		NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
APR									
11...	0.010	0.490	0.150	0.110	0.060	3.9	40	0.68	
11...	0.030	0.390	0.070	0.190	0.130	3.6	110	1.6	
12...	0.010	0.440	0.030	0.050	0.040	2.3	29	0.31	
12...	<0.010	0.460	0.030	0.030	0.020	1.7	11	0.11	
12...	0.050	0.210	0.090	0.310	0.240	7.3	524	44	
12...	0.010	0.200	0.030	0.080	0.060	4.8	42	1.1	
13...	0.010	0.300	0.040	0.060	0.040	3.2	--	--	
13...	0.010	0.350	0.060	0.060	0.040	3.0	25	0.47	
13...	0.010	0.330	0.030	0.050	0.030	2.4	16	0.25	
AUG									
20...	<0.010	0.520	0.010	0.020	<0.010	0.5	5	0.03	
20...	<0.010	0.520	0.010	0.010	<0.010	0.4	4	0.03	
21...	<0.010	0.540	0.010	0.010	<0.010	0.4	4	0.03	
21...	<0.010	0.550	0.010	0.010	<0.010	0.5	7	0.05	
21...	<0.010	0.530	0.010	0.010	<0.010	0.5	3	0.02	
21...	<0.010	0.530	0.010	0.010	<0.010	0.4	2	0.02	
22...	<0.010	0.550	0.010	0.010	<0.010	0.4	6	0.05	
22...	<0.010	0.560	0.010	0.010	<0.010	0.4	12	0.10	
22...	<0.010	0.540	0.010	0.010	<0.010	0.5	2	0.02	

07274252 OTOUCALOFA CREEK CANAL NEAR WATER VALLEY, MS

LOCATION.--Lat 34°08'36", long 89°38'59", in SE4NE4 sec.7, T.11 S., R.4 W., Chickasaw Meridian, Yalobusha County, Hydrologic Unit 08030203, on right bank at upstream side of bridge on State Highway 7 Bypass, 1.0 mi west of Water Valley, 4.2 mi upstream from mouth, and 0.1 mi downstream from Johnson Creek.

DRAINAGE AREA.--97.1 mi²

PERIOD OF RECORD.--Water years 1985 to current year.

PERIOD OF DAILY RECORD.--

DISCHARGE: July 1985 to current year.

SPECIFIC CONDUCTANCE: August 1985 to July 1987.

pH: October 1985 to July 1987.

WATER TEMPERATURE: June 1985 to July 1987.

DISSOLVED OXYGEN: August 1985 to July 1987.

SUSPENDED SEDIMENT CONCENTRATION: July 1985 to current year.

SUSPENDED SEDIMENT DISCHARGE: July 1985 to current year.

INSTRUMENTATION.--Water-stage recorder and crest-stage gage. Datum of gage is 250.95 ft above National Geodetic Vertical Datum of 1929. Automatic pumping sediment sampler since July 1985.

REMARKS.--Unpublished records of daily specific conductance, pH, water temperature, and dissolved oxygen during selected storm events are available in files of District office. Estimated daily discharges: Mar. 5-28, Mar. 31-Sept. 30. Discharge records good except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--6 years, 187 ft³/s, 26.15 in/yr.

EXTREMES FOR PERIOD OF DAILY RECORD.--

DISCHARGE: Maximum, 17,700 ft³/s, Feb. 19, 1991, gage height, 18.23 ft; maximum gage height, 20.10 ft, May 1, 1991; minimum, 11 ft³/s, Sept. 29, 1987.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 5,060 mg/L, Feb. 3, 1990; minimum daily mean, 3 mg/L, Sept. 21-22, 1985.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 154,000 tons, Feb. 19, 1991; minimum daily, 0.22 ton, Sept. 22, 1985.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum, 17,700 ft³/s, Feb. 19, gage height, 18.23 ft; minimum, 21 ft³/s, Nov. 27.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 3,770 mg/L, Feb. 18; minimum daily mean, 11 mg/L, Jul. 24, 25, Aug. 16.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 154,000 tons, Feb. 19; minimum daily, 0.82 ton, Aug. 16.

YAZOO RIVER BASIN

07274252 OTOUCALOFA CREEK CANAL NEAR WATER VALLEY, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
NOV								
13...	1535	31	74	6.8	14.5	9.7	--	--
26...	1345	22	70	6.7	18.0	8.5	--	--
DEC								
10...	1415	42	61	6.6	9.5	11.2	--	--
18...	1600	890	44	6.4	14.0	9.8	--	--
19...	1015	219	--	--	--	--	--	--
JAN								
08...	1415	114	55	6.4	8.5	10.9	--	--
22...	1415	57	64	6.3	6.5	11.6	--	--
FEB								
07...	1430	139	55	6.5	12.5	9.7	--	--
19...	1700	16300	--	--	--	--	--	--
19...	1745	15800	13	5.8	14.0	11.1	--	--
26...	1100	87	32	6.4	8.0	13.4	--	--
MAR								
06...	0745	185	52	6.5	12.0	9.5	--	--
18...	1720	145	64	6.9	16.0	9.5	--	--
APR								
03...	1015	230	55	7.1	15.0	9.7	--	--
11...	1800	260	55	6.8	17.0	9.7	220	120
12...	0030	208	62	7.0	17.0	9.2	K2100	1300
12...	0630	208	52	7.1	16.0	9.3	K1600	2000
12...	1230	208	52	7.0	16.0	9.7	190	1100
12...	1830	208	55	6.9	17.0	9.2	120	K10000
13...	0030	446	46	6.9	16.0	9.0	130	7700
13...	0600	446	44	6.6	15.5	9.2	440	3100
13...	1230	446	52	6.6	16.5	9.4	2600	2000
13...	1830	446	53	6.8	18.5	9.3	1200	980
16...	1445	1000	40	6.5	19.5	8.1	--	--
MAY								
01...	1545	700	42	6.4	19.5	9.1	--	--
14...	1615	500	52	6.6	25.5	7.3	--	--
29...	1005	740	44	7.1	23.5	7.4	--	--
JUN								
11...	1300	320	66	6.6	26.0	7.8	--	--
25...	1430	510	23	5.9	24.0	7.2	--	--
JUL								
10...	0745	55	74	6.7	29.5	7.6	--	--
23...	1345	34	54	7.2	32.0	9.1	--	--
AUG								
07...	0805	43	84	6.9	29.0	9.2	--	--
13...	1540	29	87	7.3	29.0	10.3	--	--
20...	1300	25	79	7.0	26.0	8.8	100	K33
20...	1900	25	74	7.4	28.0	10.8	K43	K20
21...	0100	25	77	7.1	25.0	7.8	K50	K12
21...	0700	25	78	6.9	23.0	6.7	K70	K47
21...	1300	25	94	6.7	24.5	8.7	K33	K43
21...	1900	25	88	6.9	24.5	7.5	K32	K33
22...	0100	24	83	6.8	22.5	6.8	160	96
22...	0700	24	74	6.7	21.0	6.2	240	120
22...	1300	24	89	7.0	25.0	9.1	120	K28
22...	1400	24	89	7.0	26.0	9.0	--	--
SEP								
03...	1600	26	62	6.8	26.5	7.0	--	--
17...	1700	25	92	7.0	24.0	8.6	--	--

07274252 OTOUCALOFA CREEK CANAL NEAR WATER VALLEY, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
NOV								
13...	0.030	0.430	0.130	0.650	0.550	3.1	--	--
26...	0.010	0.350	0.080	0.510	0.450	3.0	--	--
DEC								
10...	0.010	0.350	0.100	0.390	0.380	2.3	--	--
18...	0.020	0.160	0.030	0.280	0.110	7.2	--	--
19...	--	--	--	--	--	--	169	100
JAN								
08...	0.020	0.270	0.110	0.310	0.190	3.3	--	--
22...	0.010	0.340	0.270	0.370	0.280	2.1	--	--
FEB								
07...	0.020	0.060	0.190	0.170	0.150	3.3	--	--
19...	--	--	--	--	--	--	2470	109000
19...	0.050	0.100	0.070	0.350	0.140	5.3	--	--
26...	0.010	0.200	0.190	0.080	0.050	2.8	--	--
MAR								
06...	0.010	0.180	0.380	0.180	0.150	2.2	--	--
18...	0.010	0.160	0.820	0.310	0.270	2.3	--	--
APR								
03...	0.020	0.180	0.470	0.220	0.180	2.0	--	--
11...	0.020	0.160	0.260	0.140	0.120	2.6	102	72
12...	0.020	0.220	0.280	0.210	0.140	3.1	155	87
12...	0.030	0.180	0.300	0.230	0.170	3.5	172	97
12...	0.020	0.140	0.270	0.200	0.140	3.6	204	115
12...	0.040	0.190	0.180	0.460	0.220	5.2	739	415
13...	0.030	0.120	0.170	0.240	0.150	5.5	448	539
13...	0.020	0.270	0.090	0.120	0.080	5.9	--	--
13...	0.030	0.130	0.230	0.220	0.140	5.3	268	323
13...	0.030	0.140	0.280	0.220	0.150	4.7	518	624
16...	0.020	0.160	0.210	0.160	0.110	3.1	--	--
MAY								
01...	0.010	0.580	0.030	0.310	0.230	3.2	--	--
14...	0.040	0.370	0.070	0.350	0.270	5.0	--	--
29...	0.020	0.140	0.080	0.110	0.100	3.2	--	--
JUN								
11...	0.020	0.140	0.380	0.520	0.390	3.4	--	--
25...	0.020	0.100	0.100	0.390	0.220	6.8	--	--
JUL								
10...	0.010	0.050	0.360	0.470	0.380	4.1	--	--
23...	0.010	<0.020	0.080	0.220	0.140	4.1	--	--
AUG								
07...	0.010	0.040	0.270	0.630	0.490	4.1	--	--
13...	0.020	0.080	0.190	0.500	0.330	3.6	--	--
20...	0.010	0.140	0.300	0.470	0.330	2.8	61	4.1
20...	0.010	0.090	0.140	0.360	0.230	3.1	10	0.68
21...	0.010	0.100	0.290	0.320	0.270	3.1	20	1.4
21...	0.010	0.140	0.370	0.360	0.280	2.6	88	5.9
21...	0.010	0.150	0.410	0.680	0.240	3.0	53	3.6
21...	0.020	0.150	0.470	0.580	0.430	3.3	27	1.8
22...	0.020	0.160	0.440	0.380	0.290	2.7	26	1.7
22...	0.010	0.200	0.350	0.240	0.160	2.0	34	2.2
22...	0.020	0.180	0.400	0.570	0.420	3.2	28	1.8
22...	0.021	0.180	0.410	0.640	0.470	2.6	--	--
SEP								
03...	0.020	0.210	0.580	0.640	0.490	3.4	--	--
17...	0.010	0.200	0.500	0.450	0.380	2.7	--	--

07274252 OTOUCALOFA CREEK CANAL NEAR WATER VALLEY, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CALCIUM DIS- SOLVED (MG/L) AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L) AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L) AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L) AS K) (00935)	ALKA- LINITY LAB (MG/L) AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L) AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L) AS F) (00950)	SILICA, DIS- SOLVED (MG/L) AS SIO2) (00955)	
APR 13...	1230	80	3.7	1.4	3.6	1.7	13	5.6	3.0	--	9.8	
AUG 22...	1300	15	4.7	1.7	7.2	2.0	19	3.0	7.3	<0.10	12	
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L) AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L) AS N) (00608)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L) AS P) (00671)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L) AS AL) (01105)	ARSENIC TOTAL TOM MA- TERIAL (UG/G) AS AS) (01002)	ARSENIC TOTAL TOM MA- TERIAL (UG/G) AS AS) (01003)	CADMIUM TOTAL RECOV- ERABLE (UG/L) AS CD) (01027)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G) AS CD) (01028)
APR 13...	38	37	--	--	--	--	1200	2	1	<1	<1	
AUG 22...	59	52	0.010	0.180	0.370	0.220	200	1	<1	<1	<1	
DATE		CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L) AS CR) (01034)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01029)	COBALT, TOTAL RECOV- ERABLE (UG/L) AS CO) (01037)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G) AS CO) (01038)	COPPER, TOTAL RECOV- ERABLE (UG/L) AS CU) (01042)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G) AS CU) (01043)	IRON, TOTAL RECOV- ERABLE (UG/L) AS FE) (01045)	IRON, DIS- SOLVED (UG/L) AS FE) (01046)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G) AS FE) (01170)	LEAD, TOTAL RECOV- ERABLE (UG/L) AS PB) (01051)	
APR 13...	3	2	2	<5	3	2	3700	420	3000	4		
AUG 22...	3	3	2	<5	3	5	2100	300	4500	7		
DATE		LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G) AS PB) (01052)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L) AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L) AS MN) (01056)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01053)	MERCURY TOTAL RECOV- ERABLE (UG/L) AS HG) (71900)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G) AS HG) (71921)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L) AS SE) (01147)	SELE- NIUM, IN BOT- TOM MA- TERIAL (UG/G) (01148)	ZINC, TOTAL RECOV- ERABLE (UG/L) AS ZN) (01092)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G) AS ZN) (01093)	
APR 13...	<10	190	90	140	<0.10	<0.01	<1	<1	10	7		
AUG 22...	<10	1000	710	260	<0.10	0.04	<1	<1	40	10		

07274252 OTOUCALOFA CREEK CANAL NEAR WATER VALLEY, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	ALDI-CARB WATER TOT.REC (UG/L) (82619)	ALDI-CARB SULFONE WATER TOT.REC (UG/L) (82587)	ALDICAR SULF- OXIDE WATER TOT.REC (UG/L) (82586)	ALDRIN, TOT. MA- TERIAL (UG/L) (39330)	ALDRIN, TOT. MA- TERIAL (UG/KG) (39333)	CARBO- FURAN WATER TOT.REC (UG/L) (82615)	3-HYDRX CARBO- FURAN WATER TOT.REC (UG/L) (82584)	CHLOR- DANE, TOT. MA- TERIAL (UG/L) (39350)	CHLOR- DANE, TOT. MA- TERIAL (UG/KG) (39351)	CHLOR- DYRIFOS TOTAL RECOVER (UG/L) (38932)	DDD, TOTAL TOT. MA- TERIAL (UG/L) (39360)	DDD, TOTAL TOT. MA- TERIAL (UG/KG) (39363)
FEB 26...	--	--	--	--	--	--	--	--	--	--	--	--
APR 03...	<0.5	<0.5	<0.5	<0.010	--	<0.5	<0.5	<0.1	--	<0.01	<0.010	--
JUN 25...	--	--	--	--	<0.1	--	--	--	<1.0	--	--	6.8
DATE	DDE, TOTAL (UG/L) (39365)	DDE, IN BOT- TOM MA- TERIAL (UG/KG) (39368)	DDT, TOTAL (UG/L) (39370)	DDT, IN BOT- TOM MA- TERIAL (UG/KG) (39373)	DEF TOTAL (UG/L) (39040)	DI- AZINON, TOTAL (UG/L) (39570)	DI- AZINON, IN BOT- TOM MA- TERIAL (UG/KG) (39571)	DI- ELDRIN TOTAL (UG/L) (39380)	DI- ELDRIN IN BOT- TOM MA- TERIAL (UG/KG) (39383)	DI- SYSTON TOTAL (UG/L) (39011)	ENDO- SULFAN, TOTAL (UG/L) (39388)	ENDO- SULFAN, IN BOT- TOM MA- TERIAL (UG/KG) (39389)
FEB 26...	--	--	--	--	--	--	--	--	--	--	--	--
APR 03...	<0.010	--	<0.010	--	<0.01	<0.01	--	<0.010	--	<0.01	<0.010	--
JUN 25...	--	8.3	--	6.0	--	--	<0.1	--	0.3	--	--	<0.1
DATE	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN, IN BOT- TOM MA- TERIAL (UG/KG) (39393)	ETHION, TOTAL (UG/L) (39398)	ETHION, IN BOT- TOM MA- TERIAL (UG/KG) (39399)	FONOFOS (DY- FONATE) WATER TOT. REC (UG/L) (82614)	HEPTA- CHLOR, WATER TOT. REC (UG/L) (39410)	HEPTA- CHLOR, IN BOT- TOM MA- TERIAL (UG/KG) (39413)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATT. (UG/KG) (39423)	LINDANE TOTAL (UG/L) (39340)	LINDANE IN BOT- TOM MA- TERIAL (UG/KG) (39343)	MALA- THION, TOTAL (UG/L) (39530)
FEB 26...	--	--	--	--	--	--	--	--	--	--	--	--
APR 03...	<0.010	--	<0.01	--	<0.0	<0.010	--	<0.010	--	<0.010	--	<0.01
JUN 25...	--	<1.0	--	<0.1	--	--	<0.1	--	<0.1	--	<0.1	--
DATE	MALA- THION, TOTAL (UG/L) (39531)	METHO- MYL TOTAL (UG/L) (39051)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	METH- OXY- CHLOR, TOT. IN BOTTOM MATT. (UG/KG) (39481)	METHYL PARA- THION, TOTAL (UG/L) (39600)	METHYL PARA- THION, TOT. IN BOTTOM MATT. (UG/KG) (39601)	METHYL TRI- THION, TOTAL (UG/L) (39790)	METHYL TRI- THION, TOT. IN BOTTOM MATT. (UG/KG) (39791)	MIREX, TOTAL (UG/L) (39755)	MIREX, IN BOT- TOM MA- TERIAL (UG/KG) (39758)	1-NAPH- THOL WATER WHOLE REC (MG/L) (77441)	OXYAMYL WATER WHOLE TOT. REC (UG/L) (82613)
FEB 26...	--	--	--	--	--	--	--	--	--	--	--	--
APR 03...	--	<0.5	<0.01	--	<0.01	--	<0.01	--	<0.01	--	<0.5	<0.5
JUN 25...	<0.1	--	--	<1.0	--	<0.1	--	<0.1	--	0.1	--	--
DATE	PARA- THION, TOTAL (UG/L) (39540)	PARA- THION, IN BOT- TOM MA- TERIAL (UG/KG) (39541)	PCB, TOTAL (UG/L) (39516)	PCB, IN BOT- TOM MA- TERIAL (UG/KG) (39519)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L) (39250)	PCN, TOTAL (UG/KG) (39251)	PER- THANE TOTAL (UG/L) (39034)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG) (81886)	PHORATE TOTAL (UG/L) (39023)	PROPHAM TOTAL (UG/L) (39052)	SEVIN, TOTAL (UG/L) (39750)	TOX- APHENE, TOTAL (UG/L) (39400)
FEB 26...	--	--	--	--	--	--	--	--	--	--	--	--
APR 03...	<0.01	--	<0.1	--	<0.10	--	<0.1	--	<0.01	<0.5	<0.50	<1
JUN 25...	--	0.1	--	<1	--	<1.0	--	<1.00	--	--	--	--

07274252 OTOUCALOFA CREEK CANAL NEAR WATER VALLEY, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39403)	TOTAL TRI- THION (UG/L) (39786)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39787)	2,4-D, TOTAL (UG/L) (39730)	2, 4-DP TOTAL (UG/L) (82183)	2,4,5-T TOTAL (UG/L) (39740)	ALA- CHLOR TOTAL RECOVER (UG/L) (77825)	AME- TRYNE TOTAL (82184)	ATRA- ZINE, TOTAL (UG/L) (39630)	BROM- ACIL WATER WHLREC (UG/L) (30234)	BUTA- CHLOR WATER WHLREC (UG/L) (30235)
FEB 26...	--	--	--	<0.01	<0.01	<0.01	<0.20	<0.10	<0.10	<0.2	<0.1
APR 03...	--	<0.01	--	--	--	--	--	--	--	--	--
JUN 25...	60	--	<0.1	--	--	--	--	--	--	--	--
DATE	BUTYL- ATE WATER WHLREC (UG/L) (30236)	CARBOX- IN WATER RECOV- ERABLE (UG/L) (30245)	CYAN- AZINE TOTAL (UG/L) (81757)	CYCLO- ATE WATER RECOV- ERABLE (UG/L) (30254)	DEETHYL ATRA- ZINE, WATER, WHOLE, TOTAL (UG/L) (75981)	DE-ISO PROPYL ATRAZIN WATER, WHOLE, TOTAL (UG/L) (75980)	DICAMBA (MED- IBEN) (BAN- VEL D) TOTAL (UG/L) (82052)	DIPHEN- AMID WATER WHOLE RECOV- ERABLE (UG/L) (30255)	HEXAZI- NONE WATER WHOLE RECOV- ERABLE (UG/L) (30264)	METOLA- CHLOR WATER WHOLE TOT.REC (UG/L) (82612)	METRI- BUZIN WATER WHOLE TOT.REC (UG/L) (82611)
FEB 26...	<0.1	<0.2	<0.20	<0.1	<0	<0	<0.01	<0.1	<0.2	<0.2	<0.1
APR 03...	--	--	--	--	--	--	--	--	--	--	--
JUN 25...	--	--	--	--	--	--	--	--	--	--	--
DATE	PICLO- RAM (TOR- DON) (AMDON) TOTAL (UG/L) (39720)	PROME- TONE TOTAL (UG/L) (39056)	PROME- TRYNE TOTAL (UG/L) (39057)	PROPA- CHLOR WATER WHOLE RECOV. (UG/L) (30295)	PRO- PAZINE TOTAL (UG/L) (39024)	SILVEX, TOTAL (UG/L) (39760)	SIMA- ZINE TOTAL (UG/L) (39055)	SIME- TRYNE TOTAL (UG/L) (39054)	TER- BACIL WATER WHOLE RECOV. (UG/L) (30311)	TRI- FLURA- LIN TOTAL RECOVER (UG/L) (39030)	VER- NOLATE WATER WHOLE RECOV. (UG/L) (30324)
FEB 26...	<0.01	<0.2	<0.1	<0.1	<0.10	<0.01	<0.10	<0.1	<0.2	<0.10	<0.1
APR 03...	--	--	--	--	--	--	--	--	--	--	--
JUN 25...	--	--	--	--	--	--	--	--	--	--	--

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .002 MM (70337)	SED. SUSP. FALL DIAM. % FINER THAN .004 MM (70338)	SED. SUSP. FALL DIAM. % FINER THAN .008 MM (70339)	SED. SUSP. FALL DIAM. % FINER THAN .016 MM (70340)	SED. SUSP. FALL DIAM. % FINER THAN .031 MM (70341)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)
DEC 19...	1015	27	33	42	55	71	79	86	99	100	--
FEB 19...	1700	17	20	25	35	49	56	64	83	99	100

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK) (00002)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM (80164)	BED MAT. SIEVE DIAM. % FINER THAN .125 MM (80165)	BED MAT. SIEVE DIAM. % FINER THAN .250 MM (80166)	BED MAT. SIEVE DIAM. % FINER THAN .500 MM (80167)	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM (80168)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)
FEB 19...	1702	25.0	1	1	2	24	73	84	88
19...	1704	50.0	1	1	6	64	100	--	--
19...	1706	75.0	1	1	5	26	56	76	89
SEP 17...	1702	25.0	99	99	100	--	--	--	--
17...	1704	50.0	54	59	66	86	100	--	--
17...	1706	75.0	66	68	76	93	100	--	--

07274252 OTOUCALOFA CREEK CANAL NEAR WATER VALLEY, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
OCTOBER			NOVEMBER			DECEMBER			
1	23	32	2.0	28	25	1.9	47	27	3.5
2	23	36	2.2	28	24	1.8	44	26	3.1
3	26	38	2.7	28	25	1.9	3150	1150	16800
4	98	296	106	28	26	1.9	240	147	109
5	56	105	16	53	84	13	101	85	23
6	35	80	7.6	40	36	3.8	76	60	12
7	32	76	6.6	34	26	2.3	62	47	8.0
8	43	128	15	32	22	1.9	53	42	6.0
9	65	169	30	425	938	1890	47	37	4.7
10	39	64	6.7	195	270	200	43	34	3.9
11	35	50	4.7	60	85	14	40	33	3.6
12	32	42	3.6	45	46	5.6	37	32	3.2
13	32	38	3.3	35	35	3.4	34	31	2.9
14	30	36	2.9	31	28	2.3	32	31	2.6
15	29	37	2.9	29	26	2.1	35	42	4.3
16	28	38	2.9	27	26	1.9	44	59	7.1
17	28	38	2.9	25	26	1.8	1220	1390	6220
18	44	182	22	26	26	1.8	716	615	1330
19	34	72	6.6	25	26	1.7	232	170	122
20	32	48	4.1	25	25	1.7	233	416	1260
21	30	46	3.7	24	24	1.5	4210	1920	46300
22	41	46	5.1	30	29	2.5	4550	1410	21300
23	39	48	5.0	40	37	4.0	647	335	648
24	33	39	3.5	30	26	2.1	261	140	101
25	31	33	2.8	24	29	1.9	184	91	45
26	28	29	2.2	23	32	2.0	153	77	32
27	31	74	7.2	22	26	1.6	1420	1300	7830
28	30	62	5.2	300	533	548	984	763	2590
29	28	33	2.5	79	75	17	292	231	190
30	28	27	2.1	55	41	6.1	851	844	3680
31	28	25	1.9	---	---	---	487	367	644
JANUARY			FEBRUARY			MARCH			
1	162	107	49	77	35	7.2	820	1220	4200
2	109	72	21	66	39	7.0	360	612	657
3	85	65	15	57	44	6.8	1190	865	3450
4	69	59	11	60	36	5.9	348	299	292
5	62	55	9.3	272	554	691	230	104	65
6	59	52	8.3	454	344	465	185	73	37
7	272	292	227	154	112	47	163	62	27
8	127	123	44	121	58	19	152	56	23
9	83	83	19	108	66	19	144	56	22
10	583	612	1420	93	52	13	137	56	21
11	395	224	252	82	37	8.2	130	50	18
12	154	138	58	80	34	7.4	128	66	23
13	104	88	25	87	34	8.1	466	91	114
14	88	58	14	85	35	7.9	305	46	38
15	99	183	54	59	34	5.5	210	29	16
16	102	93	27	48	29	3.8	150	29	12
17	76	52	11	88	204	61	135	30	11
18	68	44	8.1	5710	3770	68200	145	30	12
19	68	44	8.1	14800	3760	154000	125	30	10
20	69	46	8.5	1300	1560	5810	115	29	9.1
21	63	47	8.0	348	857	832	105	30	8.4
22	58	40	6.3	1510	1650	16900	360	143	139
23	70	42	8.0	2230	2010	14700	380	149	153
24	72	39	7.7	274	751	589	250	104	70
25	69	36	6.6	139	357	143	190	73	37
26	70	43	8.1	88	120	29	150	51	20
27	69	58	11	62	100	17	130	37	13
28	86	74	17	48	86	11	160	209	90
29	77	60	12	---	---	---	3870	2560	27900
30	84	43	9.8	---	---	---	1050	592	1710
31	74	37	7.5	---	---	---	650	224	392

YAZOO RIVER BASIN

07274252 OTOUCALOFA CREEK CANAL NEAR WATER VALLEY, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
APRIL			MAY			JUNE			
1	400	79	85	700	90	170	270	35	26
2	290	51	40	520	81	114	220	27	16
3	230	50	31	440	49	58	180	24	12
4	210	43	24	370	41	41	330	28	25
5	330	84	75	1150	284	881	200	24	13
6	260	81	57	900	184	447	135	27	9.8
7	240	55	36	600	50	81	120	25	8.2
8	550	212	315	420	34	39	105	23	6.6
9	400	172	186	530	47	67	98	22	5.8
10	340	54	49	560	40	61	92	151	38
11	260	52	36	740	141	283	320	183	158
12	208	285	160	820	285	631	370	74	74
13	446	294	355	1800	230	1120	235	34	22
14	6200	2070	34600	500	95	128	160	50	21
15	7400	696	13900	800	49	106	290	86	67
16	1000	155	419	640	47	80	220	48	28
17	640	73	125	460	48	59	300	27	22
18	980	1020	2690	780	50	105	280	29	22
19	1400	970	3670	480	53	68	300	34	27
20	1350	279	1020	360	56	54	160	25	11
21	700	209	396	1400	48	181	120	776	251
22	500	104	140	1500	40	160	300	1310	1060
23	400	57	62	1000	36	96	230	101	63
24	310	50	42	720	34	66	210	52	30
25	260	44	31	480	32	42	510	57	78
26	220	55	32	1350	41	149	350	50	48
27	600	180	292	1500	77	313	250	58	39
28	3300	1120	10000	1050	190	538	170	40	18
29	10000	880	23800	740	145	290	125	32	11
30	1100	110	327	480	49	64	105	32	9.0
31	---	---	---	340	35	32	---	---	---
JULY			AUGUST			SEPTEMBER			
1	96	30	7.8	28	36	2.7	31	135	11
2	87	23	5.4	27	23	1.7	28	131	9.9
3	81	24	5.2	32	32	2.7	26	122	8.6
4	95	19	5.0	28	47	3.5	25	71	4.8
5	81	20	4.3	27	53	3.8	26	34	2.4
6	73	19	3.8	26	59	4.1	26	20	1.4
7	70	19	3.6	43	64	7.4	27	14	1.0
8	68	21	3.9	78	62	13	32	94	8.1
9	61	27	4.4	45	59	7.1	84	117	27
10	55	19	2.8	38	56	5.7	50	54	7.3
11	51	28	3.9	34	53	4.9	33	47	4.2
12	48	30	3.8	31	51	4.2	30	43	3.4
13	47	18	2.3	29	45	3.6	29	39	3.1
14	56	32	4.9	28	19	1.4	28	36	2.7
15	48	27	3.5	27	12	.89	27	33	2.4
16	44	18	2.1	27	11	.82	26	30	2.1
17	40	35	3.8	27	12	.85	25	66	4.4
18	37	17	1.7	27	13	.92	25	61	4.1
19	46	33	4.1	26	15	1.0	25	70	4.7
20	64	21	3.7	25	31	2.1	25	106	7.2
21	41	24	2.6	25	43	2.9	25	91	6.1
22	37	27	2.7	24	29	1.9	26	60	4.2
23	34	17	1.6	24	28	1.8	35	43	4.0
24	32	11	.95	25	29	2.0	54	144	21
25	50	11	1.5	27	33	2.4	40	101	11
26	42	12	1.4	38	41	4.2	33	64	5.7
27	38	65	6.7	30	102	8.3	29	46	3.6
28	35	31	2.9	70	259	49	27	33	2.4
29	32	29	2.5	58	255	40	26	32	2.2
30	30	35	2.9	43	217	25	25	35	2.3
31	29	19	1.5	35	159	15	---	---	---

07275530 PETERS (LONG) CREEK NEAR POPE, MS

LOCATION.--Lat 34°12'50", long 89°58'54", in NW4SE4 sec.18, T.10 S., R.7 W., Choctaw Meridian, Panola County, Hydrologic Unit 08030203, near right bank on downstream side of bridge on county road, 1.5 mi west of Pope, 3.0 mi upstream from mouth, and 0.4 mi downstream from Bobo Bayou.

DRAINAGE AREA.--79.2 mi².

PERIOD OF RECORD.--Water years 1987 to current year.

PERIOD OF DAILY RECORD.--

DISCHARGE: December 1986 to current year.

SPECIFIC CONDUCTANCE: February to April 1987.

pH: February to April 1987.

WATER TEMPERATURE: February to April 1987.

SUSPENDED SEDIMENT CONCENTRATION: December 1986 to current year.

SUSPENDED SEDIMENT DISCHARGE: December 1986 to current year.

INSTRUMENTATION.--Water-stage recorder and crest-stage gage. Datum of gage is 182.51 ft above National Geodetic Vertical Datum of 1929. Automatic pumping sediment sampler since December 1986.

REMARKS.--Unpublished records of daily specific conductance, pH, and water temperature during selected storm events are available in files of District office. No estimated daily discharges. Discharge records good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

DISCHARGE: Maximum, 26,500 ft³/s, Feb. 3, 1990, gage height, 19.86 ft; maximum gage height, 21.13 ft, Feb. 19, 1991; minimum, 1.6 ft³/s, Sept. 8, 9, 1988.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 4,530 mg/L, Feb. 3, 1990; minimum daily mean, 1 mg/L, July 29, 1988, Dec. 8-13, 1989.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 167,000 tons, Feb. 3, 1990; minimum daily, 0.03 ton, July 29, Oct. 12, 13, 1988.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum, 25,600 ft³/s, Feb. 19, gage height, 21.13 ft; minimum, 7.2 ft³/s, Oct. 15-17, Dec. 11, 13-15.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 3,370 mg/L, Apr. 14; minimum daily mean, 8 mg/L, Jan. 30, Feb. 4, 12, 18.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 109,000 tons, Feb. 19; minimum daily, 0.21 ton, Oct. 25, 26.

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV												
14...	1605	13	84	6.9	18.5	8.8	0.010	0.080	0.020	0.050	0.030	1.8
27...	1620	11	88	7.1	20.5	8.3	<0.010	<0.020	<0.010	0.040	0.020	1.8
DEC												
11...	1100	7.2	85	6.9	9.5	10.9	<0.010	0.270	0.030	0.040	0.030	1.5
18...	1510	1250	41	6.6	14.0	10.4	0.020	0.150	0.030	0.410	0.160	11
18...	1630	1010	--	--	--	--	--	--	--	--	--	--
JAN												
08...	1530	77	60	6.4	8.0	11.1	0.020	0.270	0.030	0.080	0.070	3.6
23...	1415	32	83	7.0	7.5	11.3	0.010	0.390	0.030	0.040	0.020	1.4
FEB												
07...	1130	113	54	6.4	11.5	9.6	0.020	0.250	0.020	0.110	0.080	4.3
20...	1230	404	26	6.4	10.0	10.9	0.040	0.270	0.040	0.180	0.100	4.1
26...	1515	131	60	--	12.0	11.7	0.010	0.400	0.040	0.040	<0.010	2.4
MAR												
05...	1630	125	60	--	14.5	9.8	0.010	0.300	0.040	0.070	0.050	2.3
18...	1435	63	69	7.0	18.5	8.8	0.010	0.300	0.020	0.060	0.060	2.4
APR												
02...	1500	28	70	7.1	22.5	8.5	<0.010	0.300	0.020	0.060	0.040	1.7
17...	1200	186	66	6.4	24.0	8.0	0.010	0.400	0.030	0.080	0.060	2.4
MAY												
03...	0745	70	74	6.8	18.5	8.9	<0.010	0.440	0.030	0.060	0.040	1.8
15...	0830	42	73	6.7	22.0	8.5	0.010	0.270	0.030	0.060	0.050	2.5
28...	1815	86	65	7.0	28.5	6.6	0.010	0.300	0.030	0.090	0.090	3.2
JUN												
12...	1400	37	92	7.2	29.5	6.8	0.010	0.140	0.020	0.060	0.050	2.7
26...	0830	17	78	7.0	24.0	7.8	<0.010	0.170	0.030	0.100	0.090	3.6
JUL												
09...	1645	13	95	7.4	37.0	9.3	<0.010	<0.020	0.010	0.040	0.030	1.8
23...	1630	13	90	7.3	37.0	8.9	<0.010	<0.020	0.010	0.040	0.020	1.4
AUG												
07...	1340	12	104	7.1	36.5	9.3	<0.010	<0.020	0.010	0.030	0.040	1.2
13...	1140	11	103	7.3	26.5	8.8	<0.010	0.040	0.010	0.030	0.010	0.9
22...	1015	11	105	7.2	23.5	8.6	<0.010	0.050	0.020	0.030	0.010	1.0
SEP												
04...	1420	13	98	7.5	31.5	8.8	<0.010	0.040	0.010	0.040	0.020	1.4
17...	1230	11	100	7.5	31.0	9.5	<0.010	0.020	0.020	0.020	0.020	1.5

07275530 PETERS (LONG) CREEK NEAR POPE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	ALDI-CARB WATER TOT.REC (UG/L) (82619)	ALDI-CARB SULFONE WATER TOT.REC (UG/L) (82587)	ALDICAR SULF- OXIDE WATER TOT.REC (UG/L) (82586)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39330)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39333)	CARBO- FURAN WATER TOT.REC (UG/L) (82615)	3-HYDRX CARBO- FURAN WATER TOT.REC (UG/L) (82584)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39350)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39351)	CHLOR- DYRIFOS TOTAL RECOVER (UG/L) (38932)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39360)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39363)
FEB 26...	--	--	--	--	--	--	--	--	--	--	--	--
APR 02...	<0.5	<0.5	<0.5	<0.010	--	<0.5	<0.5	<0.1	--	<0.01	<0.010	--
JUN 26...	--	--	--	--	<0.1	--	--	--	<1.0	--	--	<0.1
DATE	DDE, TOTAL (UG/L) (39365)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39368)	DDT, TOTAL (UG/L) (39370)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39373)	DEF TOTAL (UG/L) (39040)	DI- AZINON, TOTAL (UG/L) (39570)	DI- AZINON, TOTAL (UG/KG) (39571)	DI- ELDRIN, TOTAL (UG/L) (39380)	DI- ELDRIN, TOTAL (UG/KG) (39383)	DI- SYSTON TOTAL (UG/L) (39011)	ENDO- SULFAN, TOTAL (UG/L) (39388)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39389)
FEB 26...	--	--	--	--	--	--	--	--	--	--	--	--
APR 02...	<0.010	--	<0.010	--	<0.01	<0.01	--	<0.010	--	<0.01	<0.010	--
JUN 26...	--	<0.1	--	0.2	--	--	<0.1	--	<0.1	--	--	<0.1
DATE	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39393)	ETHION, TOTAL (UG/L) (39398)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39399)	FONOFOS (DY- FONATE) WATER TOT.REC (UG/L) (82614)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39410)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39413)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	HEPTA- CHLOR EPOXIDE TOTAL (UG/KG) (39423)	LINDANE TOTAL (UG/L) (39340)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39343)	MALA- THION, TOTAL (UG/L) (39530)
FEB 26...	--	--	--	--	--	--	--	--	--	--	--	--
APR 02...	<0.010	--	<0.01	--	<0.0	<0.010	--	<0.010	--	<0.010	--	<0.01
JUN 26...	--	<0.1	--	<0.1	--	--	<0.1	--	<0.1	--	<0.1	--
DATE	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39531)	METHO- MYL TOTAL (UG/L) (39051)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39481)	METHYL THION, TOTAL (UG/L) (39600)	METHYL THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39601)	METHYL THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39790)	METHYL THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39791)	MIREX, TOTAL (UG/L) (39755)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39758)	1-NAPH- THOL WATER TOT.REC (MG/L) (77441)	OXYMYL WATER TOT.REC (UG/L) (82613)
FEB 26...	--	--	--	--	--	--	--	--	--	--	--	--
APR 02...	--	<0.5	<0.01	--	<0.01	--	<0.01	--	<0.01	--	<0.5	<0.5
JUN 26...	<0.1	--	--	<1.0	--	<0.1	--	<0.1	--	<0.1	--	--
DATE	PARA- THION, TOTAL (UG/L) (39540)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39541)	PCB, TOTAL (UG/L) (39516)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39519)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L) (39250)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39251)	PER- THANE TOTAL (UG/L) (39034)	PER- THANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (81886)	PHORATE TOTAL (UG/L) (39023)	PROPHAM TOTAL (UG/L) (39052)	SEVIN, TOTAL (UG/L) (39750)	TOX- APHENE, TOTAL (UG/L) (39400)
FEB 26...	--	--	--	--	--	--	--	--	--	--	--	--
APR 02...	<0.01	--	<0.1	--	<0.10	--	<0.1	--	<0.01	<0.5	<0.50	<1
JUN 26...	--	<0.1	--	<1	--	<1.0	--	<1.00	--	--	--	--

07275530 PETERS (LONG) CREEK NEAR POPE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39403)	TOTAL TRI- THION (UG/L) (39786)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39787)	2,4-D, TOTAL (UG/L) (39730)	2, 4-DP TOTAL (UG/L) (82183)	2,4,5-T TOTAL (UG/L) (39740)	ALA- CHLOR TOTAL RECOVER (UG/L) (77825)	AME- TRYNE TOTAL (UG/L) (82184)	ATRA- ZINE, TOTAL (UG/L) (39630)	BROM- ACIL WATER WHLREC (UG/L) (30234)	BUTA- CHLOR WATER WHLREC (UG/L) (30235)
FEB 26...	--	--	--	<0.01	<0.01	<0.01	<0.20	<0.10	<0.10	<0.2	<0.1
APR 02...	--	<0.01	--	--	--	--	--	--	--	--	--
JUN 26...	<10	--	<0.1	--	--	--	--	--	--	--	--
DATE	BUTYL- ATE WATER WHLREC (UG/L) (30236)	CARBOX- IN WATER WHOLE RECOV- ERABLE (UG/L) (30245)	CYAN- AZINE TOTAL (UG/L) (81757)	CYCLO- ATE WATER WHOLE RECOV- ERABLE (UG/L) (30254)	DEETHYL ATRA- ZINE, WATER, WHOLE, TOTAL (UG/L) (75981)	DE-ISO PROPYL ATRAZIN WATER, WHOLE, TOTAL (UG/L) (75980)	DICAMBA (MED- IBEN) (BAN- VEL D) TOTAL (UG/L) (82052)	DIPHEN- AMID WATER WHOLE RECOV- ERABLE (UG/L) (30255)	HEXAZI- NONE WATER WHOLE RECOV- ERABLE (UG/L) (30264)	METOLA- CHLOR WATER WHOLE TOT.REC (UG/L) (82612)	METRI- BUZIN WATER WHOLE TOT.REC (UG/L) (82611)
FEB 26...	<0.1	<0.2	<0.20	<0.1	<0	<0	<0.01	<0.1	<0.2	<0.2	<0.1
APR 02...	--	--	--	--	--	--	--	--	--	--	--
JUN 26...	--	--	--	--	--	--	--	--	--	--	--
DATE	PICLO- RAM (TOR- DON) (AMDON) (UG/L) (39720)	PROME- TONE TOTAL (UG/L) (39056)	PROME- TRYNE TOTAL (UG/L) (39057)	PROPA- CHLOR WATER WHOLE RECOV. (UG/L) (30295)	PRO- PAZINE TOTAL (UG/L) (39024)	SILVEX, TOTAL (UG/L) (39760)	SIMA- ZINE TOTAL (UG/L) (39055)	SIME- TRYNE TOTAL (UG/L) (39054)	TER- BACIL WATER WHOLE RECOV. (UG/L) (30311)	TRI- FLURA- LIN TOTAL RECOVER (UG/L) (39030)	VER- NOLATE WATER WHOLE RECOV. (UG/L) (30324)
FEB 26...	<0.01	<0.2	<0.1	<0.1	<0.10	<0.01	<0.10	<0.1	<0.2	<0.10	<0.1
APR 02...	--	--	--	--	--	--	--	--	--	--	--
JUN 26...	--	--	--	--	--	--	--	--	--	--	--

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .002 MM (70337)	SED. SUSP. FALL DIAM. % FINER THAN .004 MM (70338)	SED. SUSP. FALL DIAM. % FINER THAN .008 MM (70339)	SED. SUSP. FALL DIAM. % FINER THAN .016 MM (70340)	SED. SUSP. FALL DIAM. % FINER THAN .031 MM (70341)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)
DEC 18...	1630	16	17	22	33	54	62	65	85	99	100

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK) (000002)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM (80164)	BED MAT. SIEVE DIAM. % FINER THAN .125 MM (80165)	BED MAT. SIEVE DIAM. % FINER THAN .250 MM (80166)	BED MAT. SIEVE DIAM. % FINER THAN .500 MM (80167)	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM (80168)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)
DEC 18...	1632	25.0	1	1	4	58	94	96	97
18...	1634	50.0	1	1	6	40	64	72	79
18...	1636	75.0	1	1	2	23	47	60	76
SEP 17...	1232	25.0	1	1	12	57	90	95	98
17...	1234	50.0	1	1	7	56	95	99	100
17...	1236	75.0	3	3	10	65	97	99	99

07275530 PETERS (LONG) CREEK NEAR POPE, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
OCTOBER				NOVEMBER			DECEMBER		
1	9.3	34	.86	8.0	13	.27	13	17	.59
2	9.2	31	.77	8.0	14	.30	13	19	.64
3	9.7	33	.88	8.7	15	.35	944	1250	6430
4	243	948	1200	8.4	15	.34	37	51	5.6
5	22	140	9.5	14	73	2.9	15	28	1.2
6	10	44	1.2	11	30	.91	11	22	.68
7	10	64	2.2	9.2	23	.56	9.7	18	.46
8	35	315	29	8.9	22	.53	8.5	15	.34
9	77	277	150	120	131	103	8.0	17	.37
10	43	194	28	85	137	39	7.6	20	.42
11	12	67	2.3	17	55	2.5	7.6	23	.47
12	10	32	.88	14	33	1.3	7.6	20	.40
13	8.8	25	.60	14	29	1.1	7.5	16	.33
14	8.4	21	.48	13	22	.75	7.2	14	.27
15	7.8	18	.39	13	17	.59	7.5	14	.27
16	7.2	19	.37	13	17	.59	7.7	13	.27
17	7.2	19	.38	13	18	.60	514	605	1610
18	8.5	18	.40	13	18	.61	718	513	1360
19	7.9	16	.34	13	19	.64	133	104	44
20	7.6	16	.33	13	22	.74	99	380	928
21	7.7	16	.33	13	23	.79	2920	1640	22000
22	11	28	.80	14	18	.67	1110	706	3050
23	9.4	18	.46	14	13	.52	117	138	49
24	8.0	10	.23	13	13	.45	34	51	4.9
25	7.8	10	.21	13	13	.46	17	34	1.6
26	7.6	10	.21	13	14	.50	13	26	.89
27	7.9	11	.23	12	17	.57	1280	1050	6640
28	8.0	11	.25	219	434	397	287	263	245
29	8.0	12	.26	25	50	3.6	118	58	19
30	8.0	12	.26	15	22	.89	250	384	492
31	8.0	12	.26	---	---	---	212	117	91
JANUARY				FEBRUARY			MARCH		
1	82	35	7.6	29	10	.8	1480	1090	8730
2	49	34	4.5	28	9	.7	302	178	173
3	37	35	3.4	27	9	.6	2020	1280	10900
4	27	45	3.3	28	8	.6	238	192	137
5	23	58	3.7	899	868	2470	135	60	22
6	31	75	7.8	440	288	420	98	43	12
7	213	242	163	112	45	14	57	34	5.3
8	84	46	11	56	24	3.7	65	42	7.7
9	50	35	4.6	39	18	1.9	41	22	2.4
10	538	675	1240	31	13	1.1	29	19	1.5
11	207	103	61	25	10	.7	26	17	1.2
12	117	27	8.7	22	8	.5	47	298	283
13	79	26	5.6	25	10	.6	561	704	2060
14	61	31	5.1	24	9	.6	110	96	30
15	61	29	4.6	20	8	.4	68	27	5.1
16	64	11	2.0	18	9	.4	49	25	3.3
17	47	13	1.6	35	21	2.3	67	69	15
18	41	15	1.7	6280	2520	55100	73	62	14
19	40	14	1.5	9800	2990	109000	45	25	3.1
20	40	12	1.2	464	387	567	39	20	2.1
21	36	11	1.1	253	84	60	37	31	3.1
22	32	22	1.9	2540	1140	20000	283	623	1420
23	33	38	3.3	1480	571	4050	243	437	417
24	34	24	2.1	240	68	47	51	75	11
25	33	13	1.1	163	20	9.0	26	45	3.3
26	32	12	1.0	134	22	8.0	20	31	1.6
27	32	12	1.0	112	25	7.6	17	24	1.1
28	34	12	1.1	96	28	7.1	96	545	845
29	34	10	.90	---	---	---	2270	853	6350
30	33	8	.74	---	---	---	226	245	162
31	32	9	.80	---	---	---	92	101	26

07275530 PETERS (LONG) CREEK NEAR POPE, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
APRIL			MAY			JUNE			
1	45	43	5.4	182	49	24	42	28	3.1
2	29	19	1.5	96	41	11	40	23	2.5
3	22	13	.8	72	37	7.2	37	20	2.0
4	232	326	281	67	20	3.5	36	19	1.8
5	182	166	87	1820	1670	10600	34	19	1.7
6	78	57	12	218	162	119	31	23	2.0
7	57	67	24	74	62	13	31	29	2.4
8	1050	1090	3470	54	48	7.9	29	32	2.5
9	192	140	80	155	87	41	29	22	1.7
10	84	48	11	64	35	6.2	29	16	1.2
11	72	66	19	959	1100	4870	33	34	4.3
12	280	388	491	236	577	593	44	87	13
13	595	473	881	378	341	448	67	191	243
14	7560	3370	77400	105	62	21	92	337	247
15	797	932	2520	49	47	7.1	12	68	2.3
16	280	264	209	107	82	25	18	206	46
17	188	75	39	67	162	144	46	335	109
18	1430	1220	7980	412	519	706	11	37	1.1
19	389	148	175	121	238	99	9.9	24	.64
20	189	106	54	113	146	67	9.6	20	.52
21	140	115	43	35	36	3.4	20	84	10
22	134	120	44	26	25	1.8	428	1070	3010
23	122	96	32	21	19	1.1	37	230	24
24	99	76	20	18	23	1.1	35	253	35
25	85	63	14	169	362	337	36	228	27
26	78	48	10	473	388	603	17	33	1.5
27	1620	991	9050	211	104	69	15	30	1.3
28	6610	1800	43900	92	61	15	15	31	1.2
29	5400	2220	44000	66	26	4.7	14	29	1.1
30	357	129	138	54	28	4.1	14	26	.99
31	---	---	---	47	31	3.9	---	---	---
JULY			AUGUST			SEPTEMBER			
1	14	24	.87	12	16	.52	15	69	2.8
2	14	18	.66	12	19	.60	13	28	1.0
3	124	833	1800	12	18	.58	13	29	1.0
4	122	679	597	12	18	.56	13	19	.68
5	17	107	4.9	12	17	.53	35	418	148
6	15	33	1.3	12	15	.47	27	211	32
7	14	34	1.3	14	41	2.0	38	327	106
8	13	29	1.1	13	47	1.7	21	198	14
9	13	11	.41	12	28	.90	80	543	394
10	14	19	.74	12	21	.69	22	208	15
11	13	21	.73	12	31	1.0	14	40	1.5
12	13	21	.72	12	39	1.2	13	24	.85
13	12	22	.73	11	26	.77	12	16	.55
14	12	23	.76	11	18	.55	12	12	.38
15	12	23	.73	11	14	.43	12	12	.39
16	11	19	.59	11	14	.42	11	14	.43
17	11	15	.48	11	14	.42	11	18	.56
18	152	810	1900	11	14	.42	11	23	.70
19	50	243	83	11	14	.42	11	21	.66
20	16	64	2.9	11	15	.43	11	19	.59
21	14	43	1.6	11	15	.45	11	17	.54
22	14	27	.97	11	10	.29	11	16	.50
23	13	13	.44	11	10	.31	11	15	.47
24	13	27	.92	11	12	.35	149	717	588
25	12	25	.85	12	13	.44	27	94	8.0
26	13	22	.79	13	14	.49	16	37	1.6
27	13	22	.75	13	10	.35	14	21	.79
28	12	22	.73	13	13	.47	13	21	.75
29	12	22	.72	15	35	1.5	13	21	.74
30	12	20	.65	16	91	13	13	21	.73
31	12	18	.58	46	491	124	---	---	---

07277700 HICKAHALA CREEK NEAR SENATOBIA, MS

LOCATION.--Lat 34°37'54", long 89°55'30", in SE¼NW¼ sec.22, T.5 S., R.7 W., Chickasaw Meridian, Tate County, Hydrologic Unit 08030204, on left bank at downstream side of bridge on county road, 1.7 mi east of Senatobia, 1.5 mi upstream from mouth, and 0.9 mi downstream from Basket Creek.

DRAINAGE AREA.--121 mi².

PERIOD OF RECORD.--Water years 1975, 1986 to current year.

PERIOD OF DAILY RECORD.--

DISCHARGE: February 1986 to current year.
SPECIFIC CONDUCTANCE: February 1986 to October 1989.
pH: February 1986 to October 1989.
WATER TEMPERATURE: February 1986 to October 1989.
DISSOLVED OXYGEN: February 1986 to October 1989.
SUSPENDED SEDIMENT CONCENTRATION: February 1986 to current year.
SUSPENDED SEDIMENT DISCHARGE: February 1986 to current year.

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 233.02 ft above National Geodetic Vertical Datum of 1929. September 4, 1942 to February 6, 1986, discharge measurements and gage height record at same site and datum in files of U.S. Army Corps of Engineers, Vicksburg District. Automatic pumping sediment sampler since February 1986.

REMARKS.--Unpublished records of daily specific conductance, pH, water temperature, and dissolved oxygen during selected storm events are available in files of District office. Estimated daily discharges: Jan. 10-11, Feb. 18-Mar. 4. Discharge records good except for estimated daily discharges, which are fair. Satellite telemeter at station.

AVERAGE DISCHARGE.--5 years, 210 ft³/s, 23.57 in/yr.

EXTREMES FOR PERIOD OF DAILY RECORD.--

DISCHARGE: Maximum, 19,100 ft³/s, Feb. 3, 1990, gage height, 19.91 ft; minimum, 22 ft³/s, all or part of each day, July 4-11, 1988.
SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 5,110 mg/L, Feb. 21, 1989; minimum daily mean, 2 mg/L, Oct. 16, 1987.
SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 118,000 tons, Feb. 3, 1990; minimum daily, 0.15 ton, Oct. 16, 1987.

EXTREMES OUTSIDE PERIOD OF RECORD.--

DISCHARGE: Flood of June 22, 1947, reached a stage of 20.6 ft, from flood mark (from information by U.S. Army Corps of Engineers).

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum, 9,490 ft³/s, Apr. 14, gage height, 19.35 ft; minimum, 30 ft³/s, Oct. 6, 7.
SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 3,200 mg/L, Feb. 19; minimum daily mean, 10 mg/L, Nov. 14-15.
SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 42,100 tons, Apr. 14; minimum daily, 0.93 ton, Nov. 15.

07277700 HICKAHALA CREEK NEAR SENATOBIA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOC FECAL, KF AGAR PER 100 ML (31673)
NOV								
14...	0950	34	56	7.2	12.0	8.7	--	--
28...	1000	358	57	7.1	15.0	6.6	--	--
DEC								
10...	1715	39	53	7.0	9.0	11.3	--	--
17...	1330	2460	--	--	--	--	--	--
17...	1630	1660	35	6.4	14.0	9.0	--	--
21...	0315	7070	--	--	--	--	--	--
JAN								
09...	1000	102	58	6.4	7.5	12.1	--	--
09...	1200	100	63	6.8	9.0	10.5	390	860
09...	1800	94	63	7.0	9.5	10.8	K46	290
09...	2400	90	63	7.0	--	10.0	K46	180
10...	0600	87	64	7.0	--	10.0	K25	220
10...	1200	1460	40	7.0	8.0	11.2	1000	5500
10...	1800	1490	36	7.1	8.5	10.6	3600	6900
10...	2400	483	42	6.8	6.5	9.8	3400	6400
11...	0600	228	46	7.0	9.0	9.6	K1800	2000
11...	1200	239	53	7.2	9.5	9.7	1200	630
23...	1000	39	66	7.2	4.0	9.8	--	--
FEB								
05...	1300	2890	31	6.2	12.5	9.1	--	--
20...	0900	808	28	6.5	9.5	9.4	--	--
26...	1400	83	62	--	9.0	12.7	--	--
MAR								
05...	1415	89	64	6.6	11.5	10.2	--	--
19...	0935	48	65	6.8	11.5	11.3	--	--
APR								
02...	1145	56	63	7.1	15.5	9.6	--	--
17...	1030	176	55	6.5	18.0	8.2	--	--
MAY								
02...	1700	123	63	6.7	23.0	8.8	--	--
15...	1015	90	64	6.7	23.0	7.5	--	--
28...	1345	111	65	7.1	24.0	7.8	--	--
JUN								
12...	0930	48	70	6.6	23.5	7.6	--	--
25...	1700	140	36	6.0	26.0	7.3	--	--
JUL								
09...	1330	43	61	7.0	29.5	10.2	--	--
16...	1230	41	63	7.5	24.5	9.8	K58	K72
16...	1830	41	61	7.3	27.0	7.7	K76	100
17...	0030	40	61	7.2	26.5	6.9	140	410
17...	0630	40	64	7.2	23.5	8.4	130	450
17...	1230	41	61	7.2	24.0	8.6	K64	K84
17...	1830	41	60	7.7	28.0	8.0	K40	K77
18...	0030	40	64	7.4	26.5	6.7	110	440
18...	0630	39	65	7.2	25.0	7.0	160	480
18...	1230	40	64	7.4	25.0	8.0	K69	110
24...	0845	38	58	7.0	26.0	8.2	--	--
AUG								
07...	1120	38	62	7.3	27.5	8.4	--	--
13...	1310	37	62	7.4	23.5	8.8	--	--
21...	1540	36	55	7.1	22.0	9.2	--	--
SEP								
04...	0800	34	74	7.0	22.5	7.3	--	--
17...	1420	34	60	7.6	31.0	9.6	--	--

07277700 HICKAHALA CREEK NEAR SENATOBIA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
NOV								
14...	0.010	0.180	0.020	0.050	0.020	1.0	--	--
28...	0.050	0.330	0.060	0.490	0.350	6.5	--	--
DEC								
10...	<0.010	0.410	0.040	0.070	0.040	1.0	--	--
17...	--	--	--	--	--	--	1070	7110
17...	0.030	0.260	0.100	0.650	0.220	7.2	--	--
21...	--	--	--	--	--	--	--	--
JAN								
09...	0.020	0.680	0.090	0.100	0.080	2.6	--	--
09...	0.010	0.670	0.080	0.090	0.040	3.0	--	--
09...	0.010	0.700	0.120	0.080	0.040	2.9	--	--
09...	--	--	--	--	--	2.6	--	--
10...	0.010	0.740	0.080	0.060	0.040	2.5	--	--
10...	0.040	0.350	0.090	0.630	0.130	4.7	--	--
10...	0.040	0.260	0.140	0.420	0.160	5.6	--	--
10...	0.030	0.280	0.080	0.260	0.120	5.5	206	269
11...	0.030	0.340	0.060	0.190	0.090	4.9	117	72
11...	0.020	0.410	0.050	0.200	0.090	4.7	91	59
23...	0.010	0.790	0.040	0.060	0.030	1.2	--	--
FEB								
05...	0.090	0.430	0.140	0.550	0.410	7.2	1200	9360
20...	0.040	0.450	0.190	0.270	0.140	5.0	--	--
26...	<0.010	1.00	0.050	0.040	0.020	2.3	--	--
MAR								
05...	0.010	0.850	0.060	0.080	0.060	2.4	--	--
19...	<0.010	0.560	0.020	0.050	0.030	1.2	--	--
APR								
02...	<0.010	0.750	0.020	0.070	0.050	1.8	--	--
17...	0.020	0.860	0.090	0.120	0.080	3.0	--	--
MAY								
02...	0.010	0.970	0.040	0.110	0.060	2.4	--	--
15...	0.010	0.550	0.020	0.170	0.080	2.9	--	--
28...	0.020	0.620	0.100	0.120	0.100	4.2	--	--
JUN								
12...	<0.010	0.440	0.010	0.060	0.040	1.3	--	--
25...	0.020	0.370	0.060	0.390	0.240	6.1	--	--
JUL								
09...	<0.010	0.180	0.030	0.050	0.030	1.1	--	--
16...	<0.010	0.170	0.020	0.030	0.020	0.9	17	1.9
16...	<0.010	0.140	0.010	0.030	0.020	0.9	18	2.0
17...	<0.010	0.140	0.020	0.040	0.020	0.8	24	2.6
17...	<0.010	0.170	0.030	0.040	0.020	0.9	32	3.5
17...	<0.010	0.180	0.020	0.030	0.020	0.8	52	5.8
17...	<0.010	0.150	0.010	0.040	0.020	0.7	19	2.1
18...	<0.010	0.140	0.020	0.040	0.020	0.8	31	3.3
18...	<0.010	0.170	0.030	0.040	0.020	0.7	30	3.2
18...	<0.010	0.180	0.010	0.030	0.020	0.7	17	1.8
24...	<0.010	0.140	0.030	0.050	0.020	0.8	--	--
AUG								
07...	<0.010	0.170	0.030	0.070	0.080	0.9	--	--
13...	0.020	0.200	0.040	0.130	0.090	0.7	--	--
21...	0.010	0.180	0.040	0.040	0.030	0.8	--	--
SEP								
04...	0.010	0.220	0.050	0.090	0.030	1.0	--	--
17...	<0.010	0.220	0.030	0.050	0.020	0.9	--	--

07277700 HICKAHALA CREEK NEAR SENATOBIA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)
JAN 11...	1200	160	3.4	1.5	3.2	2.8	10	6.0	3.3	<0.10	8.2
JUL 17...	1830	5	7.3	1.2	6.7	1.1	19	1.2	5.3	<0.10	16
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/L AS AS) (01003)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/L AS CD) (01028)
JAN 11...	40	37	--	0.410	--	--	--	2	26	<1	<1
JUL 17...	39	51	<0.010	0.150	0.020	0.020	140	<1	1	<1	<1
DATE		CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01029)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO) (01038)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU) (01043)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE) (01170)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)
JAN 11...	4	5	1	<10	4	6	3200	550	7100	3	
JUL 17...	3	7	<1	<5	2	<1	360	70	430	<1	
DATE		LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB) (01052)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01053)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG) (71921)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE) (01147)	SELE- NIUM, IN BOT- TOM MA- TERIAL (UG/G AS SE) (01148)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN) (01093)
JAN 11...	<10	160	60	250	<0.10	0.01	--	<1	20	20	
JUL 17...	<10	110	80	39	<0.10	0.17	<1	<1	10	1	

07277700 HICKAHALA CREEK NEAR SENATOBIA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	ALDI-CARB WATER WHOLE TOT.REC (UG/L) (82619)	ALDI-CARB SULFONE WATER WHOLE TOT.REC (UG/L) (82587)	ALDICAR SULF- OXIDE WATER WHOLE TOT.REC (UG/L) (82586)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39330)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39333)	CARBO- FURAN WATER WHOLE TOT.REC (UG/L) (82615)	3-HYDRX CARBO- FURAN WATER WHOLE TOT.REC (UG/L) (82584)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39350)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39351)	CHLOR- DYRIFOS TOTAL RECOVER (UG/L) (38932)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39360)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39363)
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--
APR 02...	<0.5	<0.5	<0.5	<0.010	--	<0.5	<0.5	<0.1	--	<0.01	<0.010	--
JUN 25...	--	--	--	--	<0.1	--	--	--	<1.0	--	--	0.1
DATE	DDE, TOTAL (UG/L) (39365)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39368)	DDT, TOTAL (UG/L) (39370)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39373)	DEF TOTAL (UG/L) (39040)	DI- AZINON, TOTAL (UG/L) (39570)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39571)	DI- ELDRIN TOTAL (UG/L) (39380)	DI- ELDRIN TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39383)	DI- SYSTON TOTAL (UG/L) (39011)	ENDO- SULFAN, TOTAL (UG/L) (39388)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39389)
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--
APR 02...	<0.010	--	<0.010	--	<0.01	<0.01	--	<0.010	--	<0.01	<0.010	--
JUN 25...	--	0.3	--	0.6	--	--	<0.1	--	<0.1	--	--	<0.1
DATE	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39393)	ETHION, TOTAL (UG/L) (39398)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39399)	FONOFOS (DY- FONATE) WATER WHOLE TOT.REC (UG/L) (82614)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39413)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	HEPTA- CHLOR EPOXIDE TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39423)	LINDANE TOTAL (UG/L) (39340)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39343)	MALA- THION, TOTAL (UG/L) (39530)
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--
APR 02...	<0.010	--	<0.01	--	<0.0	<0.010	--	<0.010	--	<0.010	--	<0.01
JUN 25...	--	<0.1	--	<0.1	--	--	<0.1	--	<0.1	--	<0.1	--
DATE	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39531)	METHO- MYL TOTAL (UG/L) (39051)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39481)	METHYL PARA- THION, TOTAL (UG/L) (39600)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39601)	METHYL TRI- THION, TOTAL (UG/L) (39790)	METHYL TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39791)	METHYL TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39795)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39758)	1-NAPH- THOL WATER WHOLE REC (MG/L) (77441)	OXYAMYL WATER WHOLE TOT.REC (UG/L) (82613)
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--
APR 02...	--	<0.5	<0.01	--	<0.01	--	<0.01	--	<0.01	--	<0.5	<0.5
JUN 25...	<0.1	--	--	<1.0	--	<0.1	--	<0.1	--	<0.1	--	--
DATE	PARA- THION, TOTAL (UG/L) (39540)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39541)	PCB, TOTAL (UG/L) (39516)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39519)	NAPH- THA- LENES, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39250)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39251)	PER- THANE TOTAL (UG/L) (39034)	PER- THANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (81886)	PHORATE TOTAL (UG/L) (39023)	PROPHAM TOTAL (UG/L) (39052)	SEVIN, TOTAL (UG/L) (39750)	TOX- APHENE, TOTAL (UG/L) (39400)
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--
APR 02...	<0.01	--	<0.1	--	<0.10	--	<0.1	--	<0.01	<0.5	<0.50	<1
JUN 25...	--	<0.1	--	<1	--	<1.0	--	<1.00	--	--	--	--

07277700 HICKAHALA CREEK NEAR SENATOBIA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39403)	TOTAL TRI- THION (UG/L) (39786)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39787)	2,4-D, TOTAL (UG/L) (39730)	2, 4-DP TOTAL (UG/L) (82183)	2,4,5-T TOTAL (UG/L) (39740)	ALA- CHLOR TOTAL RECOVER (UG/L) (77825)	AME- TRYNE TOTAL (UG/L) (82184)	ATRA- ZINE, TOTAL (UG/L) (39630)	BROM- ACIL WATER WHLREC (UG/L) (30234)	BUTA- CHLOR WATER WHLREC (UG/L) (30235)
FEB 20...	--	--	--	<0.01	<0.01	<0.01	<0.20	<0.10	<0.10	<0.2	<0.1
APR 02...	--	<0.01	--	--	--	--	--	--	--	--	--
JUN 25...	<10	--	<0.1	--	--	--	--	--	--	--	--
DATE	BUTYL- ATE WATER WHLREC (UG/L) (30236)	CARBOX- IN WATER WHOLE RECOV- ERABLE (UG/L) (30245)	CYAN- AZINE TOTAL (UG/L) (81757)	CYCLO- ATE WATER WHOLE RECOV- ERABLE (UG/L) (30254)	DEETHYL ATRA- ZINE, WATER, WHOLE, TOTAL (UG/L) (75981)	DE-ISO PROPYL ATRAZIN WATER, WHOLE, TOTAL (UG/L) (75980)	DICAMBA (MED- IBEN) (BAN- VEL D) TOTAL (UG/L) (82052)	DIPHEN- AMID WATER WHOLE RECOV- ERABLE (UG/L) (30255)	HEXAZI- NONE WATER WHOLE RECOV- ERABLE (UG/L) (30264)	METOLA- CHLOR WATER WHOLE TOT.REC (UG/L) (82612)	METRI- BUZIN WATER WHOLE TOT.REC (UG/L) (82611)
FEB 20...	<0.1	<0.2	<0.20	<0.1	<0	<0	<0.01	<0.1	<0.2	<0.2	<0.1
APR 02...	--	--	--	--	--	--	--	--	--	--	--
JUN 25...	--	--	--	--	--	--	--	--	--	--	--
DATE	PICLO- RAM (TOR- DON) (AMDON) (UG/L) (39720)	PROME- TONE TOTAL (UG/L) (39056)	PROME- TRYNE TOTAL (UG/L) (39057)	PROPA- CHLOR WATER WHOLE RECOV. (UG/L) (30295)	PRO- PAZINE TOTAL (UG/L) (39024)	SILVEX, TOTAL (UG/L) (39760)	SIMA- ZINE TOTAL (UG/L) (39055)	SIME- TRYNE TOTAL (UG/L) (39054)	TER- BACIL WATER WHOLE RECOV. (UG/L) (30311)	TRI- FLURA- LIN TOTAL RECOVER (UG/L) (39030)	VER- NOLATE WATER WHOLE RECOV. (UG/L) (30324)
FEB 20...	<0.01	<0.2	<0.1	<0.1	<0.10	<0.01	<0.10	<0.1	<0.2	<0.10	<0.1
APR 02...	--	--	--	--	--	--	--	--	--	--	--
JUN 25...	--	--	--	--	--	--	--	--	--	--	--

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .002 MM (70337)	SED. SUSP. FALL DIAM. % FINER THAN .004 MM (70338)	SED. SUSP. FALL DIAM. % FINER THAN .008 MM (70339)	SED. SUSP. FALL DIAM. % FINER THAN .016 MM (70340)	SED. SUSP. FALL DIAM. % FINER THAN .031 MM (70341)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)
DEC 17...	1330	26	30	39	60	90	98	99	100	--
APR 21...	0315	--	--	--	--	--	88	90	98	100
FEB 05...	1300	18	21	27	40	68	87	89	92	100

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK) (00002)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM (80164)	BED MAT. SIEVE DIAM. % FINER THAN .125 MM (80165)	BED MAT. SIEVE DIAM. % FINER THAN .250 MM (80166)	BED MAT. SIEVE DIAM. % FINER THAN .500 MM (80167)	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM (80168)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)
DEC 17...	1332	25.0	1	1	3	56	99	--	--
17...	1334	50.0	1	1	4	49	99	--	--
17...	1336	75.0	1	1	5	66	99	--	--
SEP 17...	1422	25.0	<1	1	5	74	99	100	--
17...	1424	50.0	2	2	6	54	91	96	98
17...	1426	75.0	3	4	15	89	100	--	--

07277700 HICKAHALA CREEK NEAR SENATOBIA, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
OCTOBER			NOVEMBER			DECEMBER			
1	32	20	1.7	33	20	1.8	36	32	3.1
2	32	20	1.7	34	17	1.5	36	25	2.4
3	33	33	3.0	34	15	1.3	647	811	3170
4	54	58	9.4	34	15	1.4	51	62	8.5
5	33	32	2.9	36	15	1.5	40	50	4.8
6	31	29	2.4	34	15	1.4	39	40	4.0
7	37	56	8.6	34	16	1.4	38	32	3.3
8	61	209	42	34	16	1.4	38	26	2.4
9	34	44	4.0	49	54	12	38	25	2.5
10	41	88	10	66	49	10	37	23	2.4
11	33	49	4.3	35	28	2.6	38	23	2.3
12	32	39	3.4	34	19	1.8	38	23	2.4
13	33	32	2.8	34	14	1.3	38	24	2.5
14	32	26	2.3	34	10	.94	37	26	2.6
15	32	26	2.3	33	10	.93	39	27	2.8
16	32	26	2.3	34	11	.96	38	28	2.9
17	32	26	2.3	34	11	.98	1270	721	3810
18	33	27	2.4	34	11	1.0	2400	1050	10400
19	32	28	2.4	35	13	1.2	213	103	73
20	32	28	2.4	35	16	1.5	82	166	307
21	33	27	2.4	35	18	1.7	5710	2390	36700
22	38	28	2.8	35	20	1.9	2360	1100	9030
23	35	40	3.7	35	18	1.8	298	417	349
24	32	40	3.5	34	17	1.5	139	240	91
25	32	41	3.6	35	15	1.4	105	142	41
26	32	41	3.6	35	17	1.6	93	89	22
27	33	42	3.7	35	20	1.9	1140	563	2560
28	33	41	3.6	189	303	214	498	363	536
29	33	35	3.0	42	89	10	163	186	84
30	33	29	2.6	36	43	4.2	1770	1090	8670
31	33	24	2.2	---	---	---	700	659	1520
JANUARY			FEBRUARY			MARCH			
1	174	276	132	51	34	4.7	958	683	1770
2	120	159	52	54	45	6.5	251	142	96
3	101	103	28	52	37	5.2	477	232	299
4	92	76	19	51	40	5.6	179	51	25
5	88	56	13	1650	847	4910	89	30	7.1
6	91	81	28	594	182	382	75	22	4.5
7	950	978	4260	119	53	17	62	15	2.4
8	154	95	42	78	45	9.5	74	13	2.5
9	101	34	9.4	68	43	7.8	61	12	1.9
10	775	394	824	63	40	6.8	55	11	1.6
11	287	102	79	58	38	5.9	53	12	1.7
12	98	51	14	56	35	5.4	52	12	1.7
13	82	43	9.6	58	33	5.2	55	13	2.0
14	70	36	6.9	55	31	4.6	50	15	2.1
15	66	33	6.0	57	29	4.5	50	12	1.6
16	63	32	5.4	56	29	4.3	51	15	2.1
17	61	30	4.9	58	44	6.8	52	15	2.1
18	60	28	4.6	2360	2140	13700	50	16	2.2
19	60	27	4.4	3630	3200	31400	49	15	2.0
20	59	26	4.2	791	285	608	45	17	2.0
21	58	26	4.0	186	64	32	46	21	2.6
22	58	25	3.9	221	75	45	525	504	2570
23	57	25	3.8	247	115	77	355	374	660
24	57	29	4.4	151	29	12	72	74	15
25	55	22	3.3	130	16	5.7	57	53	8.1
26	55	22	3.2	115	18	5.5	53	47	6.8
27	69	537	124	102	19	5.1	52	49	6.8
28	56	110	17	98	20	5.3	70	77	28
29	55	45	6.6	---	---	---	2220	822	5090
30	54	37	5.3	---	---	---	320	123	140
31	52	31	4.4	---	---	---	90	44	11

07277700 HICKAHALA CREEK NEAR SENATOBIA, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
APRIL			MAY			JUNE			
1	66	29	5.2	190	56	28	62	55	9.2
2	57	21	3.2	130	88	31	61	41	6.8
3	52	24	3.4	119	44	14	57	32	4.9
4	1150	709	3800	111	26	7.9	55	26	3.8
5	200	104	70	1270	1140	7070	52	21	3.0
6	77	38	8.1	216	101	71	51	18	2.5
7	161	345	574	106	32	9.2	50	17	2.4
8	1490	783	3670	96	22	6.7	49	18	2.3
9	214	120	77	138	72	31	47	18	2.4
10	90	80	20	93	33	8.2	47	19	2.4
11	62	41	7.0	81	25	5.4	47	22	2.8
12	211	221	155	100	55	38	56	44	11
13	1720	969	7710	265	418	391	70	111	29
14	6600	2310	42100	183	429	296	69	134	31
15	3570	676	8800	175	224	445	46	50	6.3
16	322	192	179	311	492	759	66	87	62
17	177	72	35	137	93	52	833	1580	4950
18	2080	1060	10400	2420	1380	11000	75	139	30
19	674	246	673	527	263	575	52	63	8.8
20	151	55	23	125	74	26	49	40	5.3
21	107	35	10	85	45	10	48	35	4.6
22	94	26	6.6	73	34	6.8	83	378	89
23	86	19	4.3	66	29	5.1	49	187	25
24	77	18	3.7	61	27	4.4	940	1300	6500
25	72	19	3.7	1970	1340	17200	526	368	833
26	67	28	5.0	1760	557	2910	75	72	15
27	1240	857	6050	384	127	167	60	41	6.7
28	4210	1580	23000	117	60	19	54	32	4.7
29	5830	1540	27300	120	137	62	51	26	3.6
30	645	164	378	87	114	28	50	22	3.0
31	---	---	---	67	74	13	---	---	---
JULY			AUGUST			SEPTEMBER			
1	48	20	2.5	37	32	3.2	35	74	7.0
2	47	17	2.2	37	32	3.3	34	42	3.9
3	46	15	1.9	37	33	3.3	35	42	4.0
4	46	14	1.8	37	33	3.3	34	48	4.4
5	45	14	1.7	36	35	3.5	52	126	37
6	44	13	1.6	36	36	3.6	55	231	39
7	44	13	1.5	36	25	2.5	35	128	12
8	43	12	1.5	37	22	2.1	44	154	21
9	42	12	1.4	71	163	42	35	72	6.8
10	42	13	1.5	40	78	8.4	35	51	4.8
11	42	14	1.6	37	45	4.5	34	37	3.4
12	41	16	1.8	36	42	4.1	34	33	3.0
13	41	17	1.9	36	40	3.9	34	32	2.9
14	41	17	1.9	37	36	3.5	34	31	2.8
15	40	17	1.8	36	31	3.0	33	33	3.0
16	40	18	1.9	36	27	2.6	33	34	3.1
17	40	38	4.1	37	24	2.4	34	35	3.2
18	42	25	3.1	40	47	5.1	33	29	2.6
19	55	112	20	36	44	4.2	33	23	2.0
20	40	47	5.0	35	37	3.5	34	16	1.5
21	39	36	3.8	35	32	3.0	34	12	1.1
22	39	36	3.7	36	28	2.8	34	13	1.2
23	39	36	3.8	36	32	3.1	34	15	1.3
24	40	39	4.5	35	36	3.4	36	17	1.6
25	68	171	40	35	40	3.7	35	19	1.8
26	41	59	6.5	36	35	3.4	34	21	2.0
27	39	47	5.0	36	30	2.9	34	25	2.3
28	38	39	4.0	45	50	10	34	28	2.6
29	38	32	3.4	52	187	30	34	32	3.0
30	38	31	3.2	40	107	14	34	36	3.3
31	38	32	3.2	51	214	35	---	---	---

07277730 SENATOBIA CREEK NEAR SENATOBIA, MS

LOCATION.--Lat 34°37'02", Long 89°56'30", in SE4NW4 sec. 28, T.5 S., R.7 W., Chickasaw Meridian, Tate County, Hydrologic Unit 08030204, on right bank at upstream side of bridge on State Highway 4, 0.5 mi east of Senatobia.

DRAINAGE AREA.--82.0 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1986 to current year.

GAGE.--Water-stage recorder. Datum of gage is 233.80 ft above National Geodetic Vertical Datum of 1929.

Sept. 4, 1942 to Feb. 7, 1986, discharge measurements and gage-height record, at same site and datum in files of US Army Corps of Engineers, Vicksburg District.

REMARKS.--No estimated daily discharges. Records good.

AVERAGE DISCHARGE.--5 years, 116 ft³/s, 19.21 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,100 ft³/s, June 5, 1986, gage height, 19.55 ft; minimum, 7.1 ft³/s, Sept. 1, 2, 1987.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Nov. 28, 1982, reached a stage of 26.10 ft (from information by US Army Corps of Engineers).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,080 ft³/s, Apr. 14, gage height, 19.02 ft; minimum, 9.7 ft³/s, Oct. 11, 12, 13, 19, 25, 26, 29, and Nov. 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	11	11	117	13	1160	33	169	20	11	11	14
2	12	10	11	74	13	270	25	99	16	11	11	13
3	12	10	512	56	13	538	20	92	15	11	11	13
4	135	11	23	46	13	128	874	67	15	12	11	13
5	16	11	14	43	1390	64	148	989	14	11	11	57
6	11	11	13	42	473	48	45	143	13	11	11	46
7	12	11	12	611	90	35	57	47	12	11	11	12
8	17	11	12	86	46	32	965	33	12	11	11	12
9	11	16	12	48	36	28	155	113	12	11	16	14
10	12	24	12	551	29	24	48	39	11	11	12	12
11	10	11	11	194	24	23	42	27	12	11	11	11
12	9.8	10	12	76	22	23	293	26	12	11	11	11
13	10	9.8	12	40	22	25	826	529	16	11	11	11
14	10	10	12	29	23	23	5140	239	29	11	11	11
15	10	10	12	27	25	21	1270	75	12	11	11	11
16	10	11	12	28	19	20	312	170	12	11	11	11
17	10	11	868	22	23	20	211	68	55	12	11	11
18	11	11	1500	20	2740	22	1460	1070	14	40	12	11
19	10	12	132	19	4370	20	369	209	12	19	11	11
20	10	12	33	18	468	19	142	46	11	11	11	11
21	11	12	3390	17	194	19	96	22	31	11	11	12
22	12	12	1390	16	273	241	86	15	26	12	11	12
23	11	12	277	16	394	164	75	13	14	12	11	12
24	10	11	115	16	98	32	63	11	12	12	11	13
25	10	12	84	15	63	23	56	1370	12	13	11	13
26	9.9	12	72	15	46	20	53	768	11	12	12	12
27	10	12	949	14	38	24	567	219	11	12	12	12
28	10	179	332	14	35	26	2660	53	11	11	16	12
29	10	16	120	15	---	1430	3550	207	11	12	31	12
30	10	11	1110	14	---	201	385	81	11	12	13	12
31	11	---	405	13	---	51	---	24	---	11	134	---
TOTAL	465.7	522.8	11480	2312	10993	4774	20026	7033	475	389	500	438
MEAN	15.0	17.4	370	74.6	393	154	668	227	15.8	12.5	16.1	14.6
MAX	135	179	3390	611	4370	1430	5140	1370	55	40	134	57
MIN	9.8	9.8	11	13	13	19	20	11	11	11	11	11
CFSM	.18	.21	4.51	.91	4.79	1.88	8.15	2.77	.19	.15	.20	.18
IN.	.21	.24	5.21	1.05	4.99	2.17	9.08	3.19	.22	.18	.23	.20
CAL YR 1990	TOTAL	47335.8	MEAN 130	MAX 5890	MIN 9.7	CFSM 1.59	IN 21.47					
WTR YR 1991	TOTAL	59408.5	MEAN 163	MAX 5140	MIN 9.8	CFSM 1.99	IN 26.95					

07277730 SENATOBIA CREEK NEAR SENATOBIA, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1986 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1986 to October 1987.

pH: May 1986 to October 1987.

WATER TEMPERATURE: February 1986 to October 1987.

DISSOLVED OXYGEN: February 1986 to October 1987.

SUSPENDED SEDIMENT CONCENTRATION: March 1986 to November 1989.

SUSPENDED SEDIMENT DISCHARGE: March 1986 to November 1989.

REMARKS.--Unpublished records of daily specific conductance, pH, water temperature, and dissolved oxygen during selected storm events are available in files of District office.

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
NOV								
14...	1250	10	80	6.7	15.5	10.2	--	--
28...	1040	336	47	6.2	15.0	7.3	--	--
DEC								
10...	1800	12	78	7.1	9.5	11.1	--	--
17...	1545	901	32	6.6	14.0	9.7	--	--
JAN								
09...	1045	48	56	6.4	7.5	11.6	--	--
09...	1230	47	65	6.8	--	10.7	K96	480
09...	1830	43	62	6.8	10.0	10.6	K15	240
10...	0030	38	63	7.0	--	10.2	K5	270
10...	0630	37	65	7.0	--	10.4	K20	680
10...	1230	1610	35	6.7	8.0	11.3	K3900	14000
10...	1830	766	33	7.0	8.5	10.8	2900	6300
11...	0030	317	36	6.8	6.5	10.4	3000	2200
11...	0630	185	43	6.9	9.0	10.0	2400	2000
11...	1230	182	47	7.1	9.5	10.2	2400	1300
23...	1100	16	80	7.0	4.0	12.3	--	--
FEB								
06...	1345	306	39	6.2	13.0	9.6	--	--
20...	1045	414	36	6.2	9.0	11.7	--	--
26...	1400	46	63	6.5	9.0	11.9	--	--
MAR								
05...	1515	61	69	6.5	12.0	10.0	--	--
19...	1220	20	80	6.6	15.0	12.1	--	--
APR								
02...	1245	26	68	7.0	17.5	9.9	--	--
17...	1100	211	56	6.4	20.0	8.0	--	--
MAY								
02...	1830	88	64	6.8	22.5	9.4	--	--
15...	0930	31	63	7.7	23.5	7.7	--	--
28...	1500	47	63	7.3	27.0	7.7	--	--
JUN								
12...	1130	13	94	6.6	24.5	8.7	--	--
25...	1750	11	84	7.0	28.0	8.5	--	--
JUL								
09...	1430	12	87	7.4	31.5	11.3	--	--
16...	1300	11	94	7.9	26.5	9.5	840	140
16...	1900	12	98	7.9	26.0	9.6	K1600	100
17...	0100	12	85	7.6	27.5	7.2	760	300
17...	0700	12	93	7.4	25.5	8.3	1100	470
17...	1300	12	92	7.4	26.0	9.2	1200	K69
17...	1900	12	89	7.8	27.0	9.5	1100	2300
18...	0100	12	87	7.8	27.5	7.4	500	370
18...	0700	12	93	7.5	27.0	6.6	1100	780
18...	1300	12	94	7.5	27.0	8.5	K1200	K570
24...	0730	11	87	7.1	28.0	6.0	--	--
AUG								
07...	1200	11	93	7.2	30.5	8.4	--	--
13...	1330	11	91	7.4	26.0	9.4	--	--
21...	1600	11	86	--	21.5	10.4	--	--
SEP								
04...	0950	13	92	7.5	23.5	6.6	--	--
17...	1505	12	86	7.6	28.0	9.4	--	--

07277730 SENATOBIA CREEK NEAR SENATOBIA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
NOV								
14...	0.010	0.470	0.050	0.040	0.010	1.0	--	--
28...	0.080	0.600	0.130	0.800	0.490	8.1	--	--
DEC								
10...	<0.010	0.990	0.030	0.030	0.030	1.0	--	--
17...	0.020	0.330	0.060	0.540	0.200	7.2	--	--
JAN								
09...	0.020	1.10	0.030	0.100	0.080	2.7	--	--
09...	0.020	1.20	0.020	0.070	0.060	3.0	26	3.3
09...	0.020	1.30	0.030	0.070	0.050	2.8	52	6.0
10...	0.010	1.30	0.020	0.070	0.050	2.6	29	3.0
10...	0.010	1.20	0.020	0.060	0.050	2.4	53	5.3
10...	0.050	0.460	0.080	0.700	0.240	4.5	1710	7430
10...	0.040	0.310	0.050	0.340	0.200	5.8	407	842
11...	0.030	0.400	0.040	0.200	0.170	5.6	125	107
11...	0.030	0.540	0.030	0.190	0.140	5.1	91	45
11...	0.020	0.690	0.030	0.140	0.120	4.3	60	29
23...	0.010	1.60	0.010	0.040	0.010	0.9	--	--
FEB								
06...	0.040	0.510	0.030	0.200	0.160	--	--	--
20...	0.040	0.660	0.030	0.270	0.120	4.2	--	--
26...	0.040	1.60	0.030	0.040	0.020	2.4	--	--
MAR								
05...	0.010	1.30	0.020	0.080	0.050	2.6	--	--
19...	<0.010	1.20	<0.010	0.020	0.020	1.0	--	--
APR								
02...	<0.010	1.20	0.010	0.080	0.050	1.8	--	--
17...	0.020	1.40	0.020	0.120	0.080	3.0	--	--
MAY								
02...	0.010	1.50	0.050	0.100	0.050	2.5	--	--
15...	0.020	0.940	0.010	0.130	0.080	3.0	--	--
28...	0.010	0.940	0.030	0.080	0.070	3.5	--	--
JUN								
12...	<0.010	1.10	0.010	0.040	0.020	1.3	--	--
25...	<0.010	0.780	0.020	0.080	0.060	2.5	--	--
JUL								
09...	0.010	0.690	0.040	0.070	0.030	1.3	--	--
16...	0.010	0.550	0.050	0.040	0.020	1.1	22	0.65
16...	0.010	0.600	0.040	0.050	0.020	1.0	43	1.4
17...	0.010	0.470	0.050	0.050	0.020	1.2	216	7.0
17...	0.010	0.440	0.070	0.040	0.020	--	29	0.94
17...	0.010	0.530	0.060	0.030	0.020	1.2	20	0.65
17...	0.010	0.600	0.030	0.050	0.020	1.3	21	0.68
18...	0.010	0.440	0.050	0.050	0.020	1.3	27	0.87
18...	0.020	0.460	0.090	0.070	0.020	1.3	24	0.78
18...	0.020	0.520	0.060	0.040	0.020	1.2	22	0.71
24...	0.010	0.320	0.130	0.060	0.030	1.2	--	--
AUG								
07...	0.010	0.500	0.110	0.060	0.030	0.9	--	--
13...	0.010	0.530	0.060	0.050	0.020	0.9	--	--
21...	0.010	0.600	0.050	0.030	0.010	0.9	--	--
SEP								
04...	0.010	0.620	0.090	0.080	0.030	1.1	--	--
17...	0.010	0.590	0.060	0.050	0.020	1.1	--	--

07277730 SENATOBIA CREEK NEAR SENATOBIA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)
JAN 11...	1230	120	2.9	1.3	2.5	2.6	7.7	5.6	2.2	<0.10	8.6
JUL 17...	1900	5	4.2	1.6	10	1.1	24	4.3	8.1	<0.10	16
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS) (01002)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD) (01028)
JAN 11...	41	34	--	0.670	--	--	--	2	20	<1	<1
JUL 17...	55	63	0.010	0.600	0.030	0.010	200	1	2	<1	<1
DATE		CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01029)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO) (01038)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU) (01043)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE) (01170)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)
JAN 11...	3	1	1	<10	4	<1	2900	250	670	4	
JUL 17...	3	20	<1	<5	2	1	480	60	950	3	
DATE		LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB) (01052)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01053)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG) (71921)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE) (01147)	SELE- NIUM, IN BOT- TOM MA- TERIAL (UG/G) (01148)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN) (01093)
JAN 11...	<10	110	20	49	<0.10	<0.01	--	<1	40	<1	
JUL 17...	<10	180	120	110	<0.10	<0.01	<1	<1	20	2	

07277730 SENATOBIA CREEK NEAR SENATOBIA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	ALDI-CARB WATER WHOLE TOT.REC (UG/L) (82619)	ALDI-CARB SULFONE WATER WHOLE TOT.REC (UG/L) (82587)	ALDICAR SULF- OXIDE WATER WHOLE TOT.REC (UG/L) (82586)	ALDRIN, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39330)	ALDRIN, TOTAL TERRIAL (UG/L) (39333)	CARBO- FURAN WATER WHOLE TOT.REC (UG/L) (82615)	3-HYDRX CARBO- FURAN WATER WHOLE TOT.REC (UG/L) (82584)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERRIAL (UG/L) (39350)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERRIAL (UG/L) (39351)	CHLOR- DYRIFOS TOTAL RECOVER (UG/L) (38932)	DDD, TOTAL TERRIAL (UG/L) (39360)	DDD, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39363)
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--
APR 02...	<0.5	<0.5	<0.5	<0.010	--	<0.5	<0.5	<0.1	--	<0.01	<0.010	--
JUN 25...	--	--	--	--	<0.1	--	--	--	<1.0	--	--	0.5
DATE	DDE, TOTAL (UG/L) (39365)	DDE, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39368)	DDT, TOTAL (UG/L) (39370)	DDT, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39373)	DEF TOTAL (UG/L) (39040)	DI- AZINON, TOTAL (UG/L) (39570)	DI- AZINON, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39571)	DI- ELDRIN TOTAL (UG/L) (39380)	DI- ELDRIN TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39383)	DI- SYSTON TOTAL (UG/L) (39011)	ENDO- SULFAN, TOTAL (UG/L) (39388)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39389)
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--
APR 02...	<0.010	--	<0.010	--	<0.01	<0.01	--	<0.010	--	<0.01	<0.010	--
JUN 25...	--	0.7	--	2.2	--	--	<0.1	--	<0.1	--	--	<0.1
DATE	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39393)	ETHION, TOTAL (UG/L) (39398)	ETHION, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39399)	FONOFOS (DY- FONATE) WATER WHOLE TOT.REC (UG/L) (82614)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39413)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. TOTAL (UG/L) (39420)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. TOTAL (UG/KG) (39423)	LINDANE TOTAL (UG/L) (39340)	LINDANE TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39343)	MALA- THION, TOTAL (UG/L) (39530)
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--
APR 02...	<0.010	--	<0.01	--	<0.0	<0.010	--	<0.010	--	<0.010	--	<0.01
JUN 25...	--	<0.1	--	<0.1	--	--	<0.1	--	<0.1	--	<0.1	--
DATE	MALA- THION, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39531)	METHO- MYL TOTAL (UG/L) (39051)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	METHYL PARA- THION, TOTAL (UG/L) (39600)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG) (39601)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/L) (39790)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG) (39791)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/L) (39755)	MIREX, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39758)	1-NAPH- THOL WATER WHOLE REC (MG/L) (77441)	OXYAMYL WATER WHOLE TOT.REC (UG/L) (82613)
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--
APR 02...	--	<0.5	<0.01	--	<0.01	--	<0.01	--	<0.01	--	<0.5	<0.5
JUN 25...	<0.1	--	--	<1.0	--	<0.1	--	<0.1	--	<0.1	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

[illegible]

YAZOO RIVER BASIN

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, at downstream side of bridge on State Highway 9, 0.8 mi upstream from Topashaw Creek, 1.2 mi south of Calhoun City, 1.5 mi upstream from old channel, and 4.8 mi upstream from Topashaw Creek Canal. Records include flow in Topashaw Creek Canal and all supplemental channels.

DRAINAGE AREA.--305 mi², combined drainage area of all channels.

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

REVISED RECORDS.--WRD Miss. 1970: 1969(M). WDR MS-78-1: 1977(P).

GAGE.--Water-stage recorder. Datum of gage is 226.06 ft above National Geodetic Vertical Datum of 1929 (levels by U. S. Army Corps of Engineers). Prior to Jan. 1, 1972, datum of gage was 10.00 ft higher. Prior to Nov. 15, 1950, nonrecording gage at site 75 ft downstream at same datum. Water-stage recorder on Topashaw Creek canal, 2.5 mi southwest of base gage. Prior to Aug. 16, 1963, nonrecording gage and crest-stage gage on Topashaw Creek Canal.

REMARKS.--Estimated daily discharges: Oct. 1 - 3 and Apr. 27 - 29. Records poor. 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. U. S. Army Corps of Engineers satellite telemeter at station.

AVERAGE DISCHARGE.--41 years, 424 ft³/s, 18.87 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70,100 ft³/s, Dec. 26, 1982, gage height, 25.75 ft, no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 11,000 ft³/s and maximum (*).

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 22	1545	34,400	23.58	Apr. 29	1630	36,200	23.92
Feb. 19	0345	31,600	23.63	May 5	1300	13,700	17.12
Feb. 22	1700	14,100	12.11	May 11	0930	16,400	15.81
Mar. 29	0915	27,300	21.65	May 27	0300	*43,600	*24.32
Apr. 15	0245	26,400	22.60				

No flow, Oct. 1, 2, 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.24	2.4	8.1	732	163	1990	526	2040	565	44	13	20
2	.27	2.5	7.7	356	126	2950	344	695	472	38	10	18
3	.37	2.7	7.9	322	110	4210	243	607	366	34	8.7	16
4	23	2.8	42	327	102	3940	191	796	296	34	7.1	15
5	7.1	3.8	13	213	639	1970	202	7870	228	457	6.3	14
6	2.7	4.6	10	169	1910	1200	184	2480	175	173	5.5	13
7	1.5	4.2	9.2	1650	808	331	163	991	149	83	4.8	12
8	1.3	4.1	8.5	929	410	262	1640	4230	135	59	5.6	13
9	.94	25	8.4	449	269	221	1710	5660	112	45	7.2	19
10	.77	17	7.9	1680	202	177	534	5020	85	34	12	34
11	.87	10	8.5	1520	160	160	243	7480	369	26	12	31
12	1.1	6.5	8.6	788	133	162	579	2000	130	20	11	26
13	1.2	5.3	7.9	370	133	242	1090	2100	105	17	9.7	22
14	1.4	5.1	7.7	228	150	209	16100	1360	126	13	8.7	19
15	1.3	4.7	7.7	192	129	161	17400	878	79	11	7.2	16
16	1.3	4.7	8.2	228	103	140	3330	1310	57	9.5	6.4	15
17	1.3	5.2	41	167	107	145	813	944	45	8.5	5.8	13
18	1.5	4.7	94	130	11700	204	1610	1110	35	8.1	6.1	12
19	1.9	4.7	63	115	26300	176	1890	1200	28	8.2	5.7	11
20	1.8	5.1	3450	113	9920	150	1790	673	20	8.4	4.6	11
21	2.9	5.0	9430	102	1730	140	876	478	19	8.5	4.9	9.6
22	2.9	6.0	29100	86	4630	194	569	363	48	8.4	5.0	8.5
23	2.7	8.8	18500	79	4650	821	647	291	51	7.7	4.5	7.4
24	2.6	9.7	3480	76	1170	341	479	246	68	7.5	4.6	26
25	2.8	8.4	895	77	609	171	318	361	385	25	7.6	526
26	2.5	7.4	422	74	449	132	243	20600	92	94	29	81
27	2.1	6.5	631	76	352	114	2040	29500	48	70	30	44
28	1.9	20	2000	420	289	1470	13400	9110	29	48	25	30
29	1.9	19	1200	292	---	20300	21000	2570	38	34	26	20
30	2.0	12	1670	446	---	5580	12400	928	53	24	26	15
31	2.1	---	1720	307	---	1110	---	690	---	17	23	---
TOTAL	78.26	227.9	72938.4	12713	67453	49373	102554	114581	4408	1474.8	343.0	1117.5
MEAN	2.52	7.60	2353	410	2409	1593	3418	3696	147	47.6	11.1	37.3
MAX	23	25	29100	1680	26300	20300	21000	29500	565	457	30	526
MIN	.24	2.4	7.7	74	102	114	163	246	19	7.5	4.5	7.4
CFSM	.008	.03	7.72	1.34	7.90	5.22	11.2	12.1	.48	.16	.04	.12
IN.	.01	.03	8.90	1.55	8.23	6.02	12.51	13.98	.54	.18	.04	.14

CAL YR 1990	TOTAL	183711.91	MEAN	503	MAX	29100	MIN	.00	CFSM	1.65	IN	22.41
WTR YR 1991	TOTAL	427261.86	MEAN	1171	MAX	29500	MIN	.24	CFSM	3.84	IN	52.11

07283000 SKUNA RIVER AT BRUCE, MS

LOCATION.--Lat 33°58'25", long 89°20'50", in SW4SW4 sec.6, T.13 S., R.1 W., Chickasaw Meridian, Calhoun County, Hydrologic Unit 08030205, on left bank on downstream side of bridge on State Highway 9, 1.0 mi south of Bruce.

DRAINAGE AREA.--254 mi².

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 228.45 ft above National Geodetic Vertical Datum of 1929 (levels U. S. Army Corps of Engineers). Prior to Jan. 1, 1972, at datum 10.30 ft 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.--Estimated daily discharges: Oct. 4-5, Dec. 3-18, Feb. 24-28, Mar. 1-3, Mar. 22-28, Apr. 8-14, Apr. 21-28, and May 8 - July 17. Records are fair except for estimated daily discharges, which are poor. U.S. Army Corps of Engineers satellite telemeter at station.

AVERAGE DISCHARGE.--44 years, 367 ft³/s, 19.62 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 61,400 ft³/s, Mar. 21, 1955, gage height, 34.11 ft present datum, from rating curve extended above 19,000 ft³/s on basis of incomplete current-meter measurement and computation of flow over the road and through bridge openings, minimum, 0.9 ft³/s, Aug. 18, 1954.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 22	0800	22,000	26.28	Mar. 29	2400	5,090	15.74
Dec. 27	2400	5,210	15.87	Apr. 14	----	unknown	unknown
Feb. 19	1100	*33,700	*30.43	Apr. 29	1200	26,800	28.12
Feb. 23	0100	12,200	21.58	May 5	2000	8,230	18.73
Mar. 2	0100	5,320	15.99	May 12	----	unknown	unknown

Minimum daily discharge, 8.4 ft³/s, Nov. 3-4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	8.8	30	288	72	1400	349	1280	610	56	24	18
2	18	8.9	27	185	58	1800	247	990	590	59	24	16
3	12	8.4	1400	162	54	2500	191	904	800	64	24	16
4	110	8.4	1000	149	52	864	163	853	560	61	24	15
5	190	12	700	116	433	395	203	3620	400	57	23	15
6	33	14	450	109	2560	297	209	2240	350	54	23	19
7	19	13	280	2570	422	227	168	916	320	53	22	18
8	23	8.7	200	648	201	231	340	1300	290	48	21	18
9	28	103	160	326	136	222	250	1800	290	45	56	18
10	19	294	130	1560	104	163	220	2400	370	43	63	16
11	15	75	120	1340	83	144	250	3500	500	41	31	15
12	11	35	100	467	70	145	580	2800	560	41	23	14
13	11	24	93	253	70	243	2000	1300	380	42	20	13
14	10	21	88	173	88	184	8600	540	240	39	19	13
15	9.7	18	84	156	62	142	9240	250	180	37	18	13
16	9.0	16	160	221	47	130	885	520	200	34	17	12
17	9.0	14	450	143	93	137	426	740	620	32	16	12
18	16	14	1000	107	14600	202	1190	560	800	30	18	11
19	12	14	646	94	31900	171	2710	450	540	28	17	11
20	9.5	15	933	93	6430	138	2140	310	370	43	16	10
21	9.1	15	5040	78	915	125	1600	460	1100	44	14	10
22	20	19	11500	66	2390	180	1200	740	960	31	14	10
23	27	28	4670	60	5320	260	960	1200	1000	27	14	11
24	19	23	887	57	3600	370	760	2000	1300	25	14	71
25	15	19	437	53	2400	540	600	3400	430	32	22	100
26	11	19	313	51	1600	860	1200	3200	210	87	36	47
27	10	19	1440	50	960	1400	2800	2500	130	41	26	25
28	9.7	145	3030	87	960	2500	7600	1800	90	30	22	19
29	8.5	110	869	89	---	2790	18900	1400	64	26	24	16
30	9.0	44	671	164	---	1930	4700	1100	53	25	22	15
31	9.1	---	654	131	---	541	---	840	---	24	19	---
TOTAL	736.6	1166.2	37562	10046	75680	21231	70681	45913	14307	1299	726	617
MEAN	23.8	38.9	1212	324	2703	685	2356	1481	477	41.9	23.4	20.6
MAX	190	294	11500	2570	31900	2790	18900	3620	1300	87	63	100
MIN	8.5	8.4	27	50	47	125	163	250	53	24	14	10
CFSM	.09	.15	4.77	1.28	10.6	2.70	9.28	5.83	1.88	.17	.09	.08
IN.	.11	.17	5.50	1.47	11.08	3.11	10.35	6.72	2.10	.19	.11	.09

CAL YR 1990	TOTAL	132629.7	MEAN 363	MAX 11500	MIN 5.6	CFSM 1.43	IN 19.42
WTR YR 1991	TOTAL	279964.8	MEAN 767	MAX 31900	MIN 8.4	CFSM 3.02	IN 41.00

07285400 BATUPAN BOGUE AT GRENADA, MS

LOCATION.--Lat 33°46'26", long 89°47'15", in NEWSE4 sec.17, T.22 N., R.5 E., Choctaw Meridian, Grenada County, Hydrologic Unit 08030205, on downstream side of bridge on State Highway 8, 0.2 mi east of Grenada, 1.4 mi upstream from mouth, and 1.1 mi downstream from Perry Creek.

DRAINAGE AREA.--240 mi².

PERIOD OF RECORD.--Water years 1972, 1985 to current year.

PERIOD OF DAILY RECORD.--

DISCHARGE: June 1985 to current year.

SPECIFIC CONDUCTANCE: July 1985 to September 1987.

pH: June 1985 to September 1987.

WATER TEMPERATURE: June 1985 to September 1987.

DISSOLVED OXYGEN: July 1985 to September 1987.

SUSPENDED SEDIMENT CONCENTRATION: July 1985 to current year.

SUSPENDED SEDIMENT DISCHARGE: July 1985 to current year.

INSTRUMENTATION.--Water-stage recorder and crest-stage gage. Datum of gage is 162.13 ft above National Geodetic Vertical Datum of 1929. Automatic pumping sediment sampler since October 1985.

REMARKS.--Unpublished records of daily specific conductance, pH, water temperature, and dissolved oxygen during selected storm events are available in files of District office. Estimated daily discharges: Jan. 1-Feb. 18, Mar. 13-16, 24-27, Apr. 29-Sept. 30. Discharge records fair except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--6 years, 433 ft³/s, 24.50 in/yr.

EXTREMES FOR PERIOD OF DAILY RECORD.--

DISCHARGE: Maximum, 30,400 ft³/s, Apr. 29, 1991, gage height, 19.65 ft; minimum, 17 ft³/s, June 18, 20-21, 1988.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 3,790 mg/L, Nov. 9, 1986; minimum daily mean, 3 mg/L, Nov. 8, 1987, Aug. 1, 11, 1988.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 118,000 tons, Apr. 29, 1991; minimum daily, 0.22 ton, Nov. 8, 1987.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum, 30,400 ft³/s, Apr. 29, gage height, 19.65 ft; minimum recorded, 28 ft³/s, Oct. 21, but may have been less during period of estimated daily discharge.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 2,980 mg/L, Dec. 22; minimum daily mean, 15 mg/L, Oct. 29-30.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 118,000 tons, Apr. 29; minimum daily, 1.2 ton, Oct. 30.

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV												
15...	1010	38	123	7.2	12.5	9.4	0.010	0.060	0.040	0.070	0.040	2.5
28...	1340	320	95	7.0	16.5	7.3	0.040	0.110	0.030	0.320	0.230	7.3
DEC												
10...	1200	47	115	7.0	9.0	11.3	<0.010	0.100	0.050	0.060	0.040	2.5
17...	1000	134	105	7.1	13.5	10.1	0.010	0.200	0.040	0.210	0.140	4.5
JAN												
08...	1200	3070	51	6.3	8.5	10.3	0.020	0.130	0.030	0.100	0.070	1.9
22...	1700	1710	95	7.2	6.5	11.4	<0.010	0.130	0.050	0.050	0.020	2.3
FEB												
08...	1000	2590	69	6.5	9.5	10.1	0.020	0.100	0.020	0.080	0.060	3.8
19...	1215	21100	19	5.8	13.5	11.2	0.060	0.110	0.060	0.550	0.160	6.1
26...	1000	679	62	--	8.5	11.8	0.030	0.100	0.100	0.060	0.020	5.6
MAR												
05...	0930	1000	57	6.4	10.0	9.7	0.010	0.120	0.050	0.080	0.050	1.2
20...	0920	173	93	6.8	14.0	9.5	0.010	0.100	0.020	0.050	0.040	2.6
APR												
03...	1210	420	63	6.9	18.0	9.3	0.010	0.100	0.040	0.080	0.050	2.2
16...	1300	2190	40	6.5	18.5	8.6	0.020	0.100	0.060	0.160	0.090	5.2
29...	2200	27100	--	--	--	--	--	--	--	--	--	--
MAY												
01...	1145	11000	45	--	19.0	6.4	0.020	0.120	0.070	0.180	0.080	5.6
14...	1230	8740	61	6.5	24.0	7.3	0.020	0.100	0.040	0.090	0.050	4.2
29...	1205	9600	52	7.2	25.0	7.3	0.020	0.110	0.040	0.080	0.050	5.3
JUN												
11...	1100	2010	119	6.4	26.0	7.1	<0.010	0.150	0.070	0.080	0.040	3.2
25...	1000	1720	63	7.0	25.0	7.2	0.020	0.150	0.110	0.230	0.150	6.6
JUL												
10...	1015	2400	129	7.0	31.0	7.9	0.010	0.030	0.030	0.090	0.050	1.3
24...	1200	1380	122	7.2	32.0	8.8	<0.010	0.060	0.010	0.080	0.030	2.1
AUG												
06...	1615	2090	146	7.6	33.5	9.5	<0.010	<0.020	0.010	0.040	0.030	2.3
14...	0800	2200	139	--	27.0	7.1	<0.010	0.030	0.030	0.060	0.020	2.5
20...	1140	2200	133	7.3	28.0	7.5	0.010	0.070	0.020	0.050	0.020	2.5
SEP												
04...	1615	1680	122	7.5	28.5	9.0	0.010	0.120	0.050	0.100	0.050	4.4
18...	0840	2680	143	7.5	31.0	8.2	<0.010	0.050	0.020	0.050	0.020	2.4

07285400 BATUPAN BOGUE AT GRENADA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	ALDI-CARB WATER WHOLE TOT.REC (UG/L) (82619)	ALDI-CARB SULFONE WATER WHOLE TOT.REC (UG/L) (82587)	ALDICAR SULF- OXIDE WATER WHOLE TOT.REC (UG/L) (82586)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39330)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39333)	CARBO- FURAN WATER WHOLE TOT.REC (UG/L) (82615)	3-HYDRX CARBO- FURAN WATER WHOLE TOT.REC (UG/L) (82584)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39350)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39351)	CHLOR- DYRIFOS TOTAL RECOVER (UG/L) (38932)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39360)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39363)
MAR 20...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 01...	<0.5	<0.5	<0.5	<0.010	--	<0.5	<0.5	<0.1	--	<0.01	<0.010	--
JUN 25...	--	--	--	--	<0.1	--	--	--	<1.0	--	--	3.9
DATE	DDE, TOTAL (UG/L) (39365)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39368)	DDT, TOTAL (UG/L) (39370)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39373)	DEF TOTAL (UG/L) (39040)	DI- AZINON, TOTAL (UG/L) (39570)	DI- AZINON, TOTAL (UG/KG) (39571)	DI- ELDRIN TOTAL (UG/L) (39380)	DI- ELDRIN TOTAL (UG/KG) (39383)	DI- SYSTON TOTAL (UG/L) (39011)	ENDO- SULFAN, TOTAL (UG/L) (39388)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39389)
MAR 20...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 01...	<0.010	--	<0.010	--	<0.01	<0.01	--	<0.010	--	<0.01	<0.010	--
JUN 25...	--	3.5	--	2.0	--	--	<0.1	--	0.1	--	--	<0.1
DATE	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39393)	ETHION, TOTAL (UG/L) (39398)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39399)	FONOFOS (DY- FONATE) WATER WHOLE TOT.REC (UG/L) (82614)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39410)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39413)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	HEPTA- CHLOR EPOXIDE TOTAL (UG/KG) (39423)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39340)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39343)	MALA- THION, TOTAL (UG/L) (39530)
MAR 20...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 01...	<0.010	--	<0.01	--	<0.0	<0.010	--	<0.010	--	<0.010	--	<0.01
JUN 25...	--	<0.1	--	<0.1	--	--	<0.1	--	<0.1	--	<0.1	--
DATE	METHYL THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39531)	METHO- MYL TOTAL (UG/L) (39051)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39481)	METHYL PARA- THION, TOTAL (UG/L) (39600)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39601)	METHYL TRI- THION, TOTAL (UG/L) (39790)	METHYL TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39791)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39755)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39758)	1-NAPH- THOL WATER WHOLE REC (MG/L) (77441)	OXYAMYL WATER WHOLE TOT.REC (UG/L) (82613)
MAR 20...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 01...	--	<0.5	<0.01	--	<0.01	--	<0.01	--	<0.01	--	<0.5	<0.5
JUN 25...	<0.1	--	--	<1.0	--	<0.1	--	<0.1	--	0.4	--	--
DATE	PARA- THION, TOTAL (UG/L) (39540)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39541)	PCB, TOTAL (UG/L) (39516)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39519)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L) (39250)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39251)	PER- THANE TOTAL (UG/L) (39034)	PER- THANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (81886)	PHORATE TOTAL (UG/L) (39023)	PROPHAM TOTAL (UG/L) (39052)	SEVIN, TOTAL (UG/L) (39750)	TOX- APHENE, TOTAL (UG/L) (39400)
MAR 20...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 01...	<0.01	--	<0.1	--	<0.10	--	<0.1	--	<0.01	<0.5	<0.50	<1
JUN 25...	--	<0.1	--	<1	--	<1.0	--	<1.00	--	--	--	--

07285400 BATUPAN BOGUE AT GRENADA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39403)	TOTAL TRI- THION (UG/L) (39786)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39787)	2,4-D, TOTAL (UG/L) (39730)	2, 4-DP TOTAL (UG/L) (82183)	2,4,5-T TOTAL (UG/L) (39740)	ALA- CHLOR TOTAL RECOVER (UG/L) (77825)	AME- TRYNE TOTAL (82184)	ATRA- ZINE, TOTAL (UG/L) (39630)	BROM- ACIL WATER WHLREC (UG/L) (30234)	BUTA- CHLOR WATER WHLREC (UG/L) (30235)
MAR 20...	--	--	--	<0.01	<0.01	<0.01	<0.20	<0.10	<0.10	<0.2	<0.1
MAY 01...	--	<0.01	--	--	--	--	--	--	--	--	--
JUN 25...	20	--	<0.1	--	--	--	--	--	--	--	--
DATE	BUTYL- ATE WATER WHLREC (UG/L) (30236)	CARBOX- IN WATER RECOV- ERABLE (UG/L) (30245)	CYAN- AZINE TOTAL (UG/L) (81757)	CYCLO- ATE WATER RECOV- ERABLE (UG/L) (30254)	DEETHYL ATRA- ZINE, WATER, WHOLE, TOTAL (UG/L) (75981)	DE-ISO PROPYL ATRAZIN WATER, WHOLE, TOTAL (UG/L) (75980)	DICAMBA (MED- IBEN) (BAN- VEL D) TOTAL (UG/L) (82052)	DIPHEN- AMID WATER WHOLE RECOV- ERABLE (UG/L) (30255)	HEXAZI- NONE WATER WHOLE RECOV- ERABLE (UG/L) (30264)	METOLA- CHLOR WATER WHOLE TOT.REC (UG/L) (82612)	METRI- BUZIN WATER WHOLE TOT.REC (UG/L) (82611)
MAR 20...	<0.1	<0.2	<0.20	<0.1	<0	<0	0.01	<0.1	<0.2	<0.2	<0.1
MAY 01...	--	--	--	--	--	--	--	--	--	--	--
JUN 25...	--	--	--	--	--	--	--	--	--	--	--
DATE	PICLO- RAM (TOR- DON) TOTAL (UG/L) (39720)	PROME- TONE TOTAL (UG/L) (39056)	PROME- TRYNE TOTAL (UG/L) (39057)	PROPA- CHLOR WATER WHOLE RECOV. (UG/L) (30295)	PRO- PAZINE TOTAL (UG/L) (39024)	SILVEX, TOTAL (UG/L) (39760)	SIMA- ZINE TOTAL (UG/L) (39055)	SIME- TRYNE TOTAL (UG/L) (39054)	TER- BACIL WATER WHOLE RECOV. (UG/L) (30311)	TRI- FLURA- LIN TOTAL RECOVER (UG/L) (39030)	VER- NOLATE WATER WHOLE RECOV. (UG/L) (30324)
MAR 20...	<0.01	<0.2	<0.1	<0.1	<0.10	<0.01	<0.10	<0.1	<0.2	<0.10	<0.1
MAY 01...	--	--	--	--	--	--	--	--	--	--	--
JUN 25...	--	--	--	--	--	--	--	--	--	--	--

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK) (00002)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM (80164)	BED MAT. SIEVE DIAM. % FINER THAN .125 MM (80165)	BED MAT. SIEVE DIAM. % FINER THAN .250 MM (80166)	BED MAT. SIEVE DIAM. % FINER THAN .500 MM (80167)	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM (80168)
APR 29...	2202	25.0	2	3	25	98	100
29...	2204	50.0	<1	<1	14	95	100
29...	2206	75.0	1	1	11	95	100
SEP 18...	0842	25.0	72	79	97	100	--
18...	0844	50.0	5	6	22	96	100
18...	0846	75.0	18	26	69	100	--

07285400 BATUPAN BOGUE AT GRENADA, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
OCTOBER			NOVEMBER			DECEMBER			
1	29	26	2.1	31	18	1.5	41	25	2.8
2	30	33	2.7	32	19	1.6	39	25	2.6
3	29	45	3.5	30	19	1.5	663	852	2730
4	62	98	18	30	18	1.5	146	184	78
5	58	51	8.2	39	18	1.9	69	80	15
6	37	41	4.1	41	18	2.0	56	44	6.7
7	33	35	3.1	36	19	1.9	51	38	5.1
8	36	33	3.2	34	20	1.8	47	36	4.6
9	35	32	3.1	204	210	193	45	27	3.3
10	33	32	2.9	193	212	127	45	21	2.5
11	31	31	2.6	62	80	14	45	21	2.5
12	31	31	2.6	46	38	4.8	44	22	2.6
13	30	29	2.4	42	27	3.1	43	38	4.4
14	30	27	2.2	42	22	2.4	42	72	8.1
15	30	25	2.0	39	25	2.6	41	96	11
16	30	24	2.0	37	22	2.2	42	83	9.4
17	30	25	2.0	36	19	1.8	198	134	89
18	35	41	3.9	34	17	1.5	342	195	185
19	30	28	2.3	35	18	1.7	245	144	99
20	29	25	1.9	35	21	2.0	124	686	327
21	29	22	1.7	38	54	5.8	2900	1710	13300
22	44	64	8.4	41	66	7.9	13200	2980	96900
23	50	40	5.4	51	56	7.7	8740	1390	34000
24	39	32	3.3	44	34	4.1	2660	928	6840
25	35	32	3.0	38	22	2.3	1230	662	2220
26	32	36	3.1	38	21	2.1	868	524	1240
27	31	39	3.2	38	20	2.1	1000	1200	4550
28	31	27	2.2	198	139	87	2470	823	5800
29	31	15	1.3	79	52	12	1210	428	1410
30	31	15	1.2	47	28	3.6	627	294	503
31	31	17	1.4	---	---	---	1150	678	1980
JANUARY			FEBRUARY			MARCH			
1	434	124	145	170	16	7.5	2010	821	8040
2	244	60	40	192	23	12	2290	553	3740
3	259	46	32	158	22	9.4	3110	867	8770
4	284	38	29	169	21	9.4	2010	293	1680
5	287	34	27	419	98	111	976	160	435
6	225	31	19	1430	403	1560	694	61	116
7	937	902	2280	530	87	124	530	49	70
8	540	150	219	290	38	30	446	41	50
9	532	92	133	260	44	31	391	37	39
10	1590	1210	6930	240	57	37	344	33	30
11	1580	367	1570	220	66	39	321	30	26
12	348	112	105	210	57	32	325	31	27
13	209	68	39	197	49	26	476	32	41
14	156	53	22	185	43	22	420	34	38
15	137	52	19	175	40	19	358	35	34
16	234	52	33	170	37	17	227	35	21
17	222	53	32	589	36	57	211	51	30
18	193	53	28	7410	1970	39400	257	49	34
19	178	49	24	19200	1600	85400	193	39	20
20	167	45	20	6470	565	10700	181	32	16
21	153	48	20	2290	379	2300	197	34	18
22	125	68	23	3020	1860	23400	201	49	29
23	101	41	11	4220	1470	19100	341	186	180
24	85	34	7.9	1520	500	2120	274	64	47
25	78	36	7.6	957	263	688	230	35	22
26	102	41	11	671	217	393	221	33	20
27	111	49	15	496	194	260	210	36	20
28	150	57	23	391	179	189	268	73	54
29	112	53	16	---	---	---	8600	1160	31100
30	176	43	20	---	---	---	3340	590	6110
31	200	22	12	---	---	---	1450	230	921

YAZOO RIVER BASIN

07285400 BATUPAN BOGUE AT GRENADA, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
APRIL			MAY			JUNE			
1	917	192	481	2500	238	1610	210	36	20
2	593	123	200	540	129	188	190	29	15
3	441	87	104	360	71	69	175	23	11
4	413	65	72	260	55	39	160	22	9.7
5	387	49	51	1300	499	1750	230	23	14
6	345	38	35	1410	226	862	210	25	14
7	322	29	25	411	154	170	190	29	15
8	670	186	423	209	174	98	175	29	14
9	902	122	313	576	141	219	160	29	13
10	696	135	260	323	77	67	155	29	12
11	428	97	112	816	169	372	200	67	36
12	1290	625	4620	882	59	142	250	116	78
13	2320	662	4560	548	102	150	160	62	27
14	8170	2050	47600	442	59	70	500	593	800
15	8170	918	22400	228	46	29	360	231	224
16	2350	356	2350	210	41	23	300	103	83
17	1370	215	802	150	39	16	250	53	36
18	2600	1000	9800	250	82	55	200	42	23
19	1910	296	1660	520	159	223	170	39	18
20	950	151	396	760	103	211	125	40	13
21	619	106	178	930	66	167	195	505	266
22	530	78	111	500	44	59	145	109	43
23	468	60	76	270	41	30	447	549	663
24	364	47	46	190	44	22	350	210	198
25	302	38	31	165	40	18	480	373	483
26	264	31	22	1000	101	274	300	100	81
27	1610	1470	12000	3400	218	2000	210	55	31
28	16400	2780	112000	1000	143	385	160	38	16
29	26600	1640	118000	560	161	244	120	35	11
30	14400	715	27800	375	85	86	105	37	10
31	---	---	---	270	50	36	---	---	---
JULY			AUGUST			SEPTEMBER			
1	86	38	8.9	92	40	10	78	56	12
2	91	36	8.8	80	47	10	72	49	9.6
3	170	261	120	72	37	7.2	60	81	13
4	360	638	620	63	29	4.9	54	59	8.6
5	140	99	38	59	23	3.7	58	44	7.0
6	110	40	12	55	35	5.3	53	31	4.5
7	82	36	8.0	57	34	5.3	51	24	3.3
8	90	33	8.0	62	28	4.8	50	24	3.2
9	135	30	11	56	25	3.7	49	25	3.3
10	105	34	9.5	70	25	4.7	300	103	83
11	98	41	11	68	57	11	125	66	22
12	125	42	14	65	33	5.8	62	33	5.5
13	82	40	8.9	62	28	4.7	68	29	5.3
14	94	36	9.2	56	31	4.8	58	26	4.1
15	80	32	7.0	52	35	4.9	53	24	3.5
16	84	32	7.4	49	43	5.7	50	22	3.0
17	86	33	7.6	110	81	24	55	22	3.3
18	98	65	17	70	50	9.5	60	20	3.3
19	115	579	180	52	40	5.5	58	17	2.7
20	78	209	44	50	24	3.3	54	18	2.6
21	80	103	22	53	24	3.5	50	19	2.5
22	82	51	11	60	28	4.6	49	19	2.5
23	76	34	7.0	56	31	4.7	68	20	3.6
24	100	25	6.7	54	29	4.3	300	75	61
25	980	515	1360	52	27	3.8	2700	746	5440
26	1020	618	1700	50	25	3.4	2000	294	1590
27	450	136	165	52	25	3.5	1450	178	699
28	230	71	44	57	26	4.0	450	80	97
29	160	45	19	55	30	4.4	200	35	19
30	130	37	13	54	35	5.1	90	17	4.2
31	105	34	9.7	62	45	7.5	---	---	---

07285510 YALOBUSHA RIVER AT GRENADA, MS

LOCATION.--Lat 33°47'40", long 89°48'57", in SE¼ SW¼ sec. 6, T.22 N., R.5 E., Choctaw Meridian, Grenada County, Hydrologic Unit 08030205, on intake structure of Newsprint South, Inc., approximately .5 miles downstream of U.S. Highway 51 bridge.

DRAINAGE AREA.--1570 mi², approximately, U.S. Army Corps of Engineers

PERIOD OF RECORD.--February 1989 to current year.

GAGE.--Water stage recorder. Datum of gage is 148.68 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--February to September 1989: No estimated daily discharges. Records good. Regulated by Grenada Lake Spillway. Satellite telemeter at Station.

Water year 1990: Estimated daily discharges: Jan. 6-11, and Sept. 21-25. Records good except for estimated daily discharges, which are poor.

Water year 1991: Estimated daily discharges: Nov. 9-11, 14-29 and Dec. 12-14, 23-25. Records good, except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 23,000 ft³/s, Apr. 29, 1991, gage height, 27.54 ft; minimum daily, 30 ft³/s, Oct. 3, 1990.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Feb. 14, 1948, reached an elevation of 182.81 ft above NGVD of 1929 at site 2600 ft upstream, discharge 78,900 ft³/s from records of U.S. Army Corps of Engineers.

EXTREMES FOR CURRENT PERIOD.--February to September, 1989: Maximum discharge, 14,100 ft³/s, June 15, gage height, 24.68 ft; minimum daily, 150 ft³/s, June 25.

Water year 1990: Maximum discharge, 11,900 ft³/s, February 10, gage height, 23.07 ft; minimum daily, 33 ft³/s, September 30.

Water year 1991: Maximum discharge, 23,000 ft³/s, Apr. 29, gage height, 27.54 ft; minimum daily, 30 ft³/s, Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					---	2070	1130	2620	2120	4060	3780	4680
2					---	1360	1070	2530	2200	4420	3900	4710
3					---	1120	1050	2510	2290	1080	3860	4720
4					---	967	3470	2500	1950	1550	3830	4700
5					---	3660	2570	5230	6140	860	4080	4700
6					---	2550	1180	7670	4390	600	4080	4750
7					---	2800	1240	7670	1140	816	4100	4880
8					---	5570	1630	7670	3280	932	4100	4890
9					---	6030	1580	7740	1800	920	4110	4880
10					---	5830	2230	7770	902	919	4230	4900
11					---	5870	3200	7690	669	919	4250	4870
12					---	5830	2830	7550	590	917	4240	4840
13					---	5810	2810	7440	5370	1160	4240	4740
14					---	5730	2800	7050	8480	939	4270	5130
15					---	5710	2800	6040	11300	920	4540	4870
16					---	5700	2780	2060	2600	4270	4550	4810
17					3850	5690	2770	151	1080	1110	4550	4810
18					4140	5700	2740	835	725	513	2010	4740
19					2560	5710	2690	2540	562	494	3800	3030
20					1740	5650	2660	665	440	593	4580	364
21					6950	6530	2640	359	359	1270	4610	286
22					1750	6700	2620	336	276	1220	4620	259
23					1110	5240	2600	771	216	1710	4620	509
24					1120	4050	2580	1450	165	1450	4700	832
25					1540	3970	2570	1710	150	1350	4900	1240
26					1790	3920	2580	2120	736	1880	4970	2170
27					3260	3240	2570	2100	1270	2020	4860	2520
28					7700	884	2560	2080	1290	2590	4670	2520
29					---	1230	2620	2050	1120	2850	4720	2380
30					---	1970	2610	2020	482	2840	4810	1920
31					---	1160	---	2010	---	2960	4690	---
TOTAL					---	128251	71180	112937	64092	50132	133270	104650
MEAN					---	4137	2373	3643	2136	1617	4299	3488
MAX					---	6700	3470	7770	11300	4420	4970	5130
MIN					---	884	1050	151	150	494	2010	259
CFSM					---	2.64	1.51	2.32	1.36	1.03	2.74	2.22
IN.					---	3.04	1.69	2.68	1.52	1.19	3.16	2.48

YAZOO RIVER BASIN

07285510 YALOBUSHA RIVER AT GRENADA, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	528	5200	5770	6370	6650	6510	1890	1810	2560	2220	2720	2490
2	729	5210	5730	6370	7830	9270	1840	1780	3440	2220	2660	2470
3	1070	5320	5680	6420	5290	7130	2040	1770	6300	2230	2650	2460
4	602	5320	6180	6670	4740	6560	2910	1760	3490	2230	2650	2440
5	137	5270	7040	6670	1420	6960	3490	1740	2280	2240	2650	2430
6	266	5480	6960	6250	976	6760	3530	1710	2830	2240	2730	2410
7	1380	2730	6880	5900	813	6700	3560	1930	2610	2240	2880	2390
8	1390	2110	6800	5700	1370	7340	3480	2190	2530	2240	2880	2380
9	1390	3190	6850	5500	2850	6920	2800	2190	2540	2250	2940	2360
10	1400	2590	6700	5300	9500	3120	1950	2190	2620	2230	3010	2350
11	1400	3110	6590	5050	2440	4740	2000	2190	2420	2220	2990	2340
12	947	4450	6610	5090	1190	5090	1940	2070	2390	2230	2970	2350
13	192	5240	6540	4960	1130	5290	1910	1490	2340	2230	2960	2170
14	183	5370	6480	5470	784	6200	1920	394	2340	2240	2940	1750
15	187	5670	6460	6170	916	5090	1960	790	2430	2240	2930	1730
16	184	4900	6470	6060	2280	4870	1920	1410	2370	1830	2910	1750
17	341	4070	6430	5940	1070	5090	2240	1540	2440	1380	2890	1310
18	585	5490	6400	6330	786	6010	3470	1730	2380	1330	2880	958
19	593	5510	6400	5330	732	6080	2970	1730	2320	1330	2860	678
20	600	5530	6430	8550	987	6610	2290	1100	2310	1310	2840	504
21	608	5550	6460	4160	2640	6490	2330	1690	2280	1290	2820	292
22	2650	5590	6500	2650	5470	6460	2340	1040	1830	1290	2590	224
23	4710	6010	6500	4810	5140	6460	2320	386	1310	1300	2660	122
24	4820	5710	6500	6020	4990	6430	2310	428	1290	1300	2640	79
25	4810	5620	6440	6560	5320	6440	2050	1240	1680	1300	2630	40
26	4800	5570	6370	5960	6110	6550	1670	1640	2180	1310	2610	38
27	4870	5640	6400	6070	6540	6180	1820	4020	2200	1340	2600	37
28	4980	5840	6440	6330	6520	3970	4270	1530	2210	1380	2580	35
29	5040	5810	6380	7280	---	2830	2340	1120	2210	1400	2560	34
30	5060	5790	6390	7230	---	2180	1910	1200	2220	2170	2540	33
31	5140	---	6520	6830	---	2120	---	1460	---	2670	2430	---
TOTAL	61592	148890	200300	184000	96484	178450	73470	49268	74350	57430	85600	40654
MEAN	1987	4963	6461	5935	3446	5756	2449	1589	2478	1853	2761	1355
MAX	5140	6010	7040	8550	9500	9270	4270	4020	6300	2670	3010	2490
MIN	137	2110	5680	2650	732	2120	1670	386	1290	1290	2430	33
CFSM	1.27	3.16	4.12	3.78	2.20	3.67	1.56	1.01	1.58	1.18	1.76	.86
IN.	1.46	3.53	4.75	4.36	2.29	4.23	1.74	1.17	1.76	1.36	2.03	.96
WTR YR 1990	TOTAL	1250488	MEAN	3426	MAX	9500	MIN	33	CFSM	2.18	IN	29.63

07285510 YALOBUSHA RIVER AT GRENADA, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	1670	1200	2940	6250	2400	935	12500	9760	5100	4990	4570
2	31	1720	1180	3690	6320	2360	1400	11000	9190	5220	517	4500
3	30	2260	1550	5010	6210	3820	2840	10100	8630	5280	985	4840
4	42	2300	1740	5520	6220	1920	3510	9630	8120	5750	4880	5180
5	52	2300	2020	5990	4880	1010	3490	10600	7630	5370	4980	5380
6	44	2300	1980	4810	4900	823	3460	11700	7250	5340	5000	5600
7	420	2260	1890	5750	5930	708	3450	10300	6780	5180	5030	5690
8	1270	2260	1550	6610	6110	605	3760	9700	6370	5430	5020	5760
9	1480	2230	1510	5690	5970	544	3910	10200	6020	5840	5080	5880
10	1950	685	1480	4820	5850	478	3750	9910	5700	5730	5180	5880
11	1940	300	1240	4160	5860	1140	3550	10100	5410	5790	5250	5830
12	1910	2090	464	5070	5890	2510	3050	10300	5330	5370	5280	5820
13	1900	2120	421	4890	5770	4040	2540	9910	5060	1440	5300	5710
14	1870	2830	195	4780	5630	4650	8740	9710	5000	4400	5300	5770
15	1850	2720	285	4740	5460	4350	9470	9320	4700	4600	5010	5770
16	1840	2660	282	5320	5340	2900	2110	9280	4450	4600	3140	5750
17	1830	2610	703	5990	5220	1800	1200	8960	4290	4590	2820	5820
18	1820	2550	981	5910	9300	1840	2680	9030	4140	4630	5290	6040
19	1810	2440	1490	5860	16700	1780	1920	9010	3960	4690	5260	6060
20	1760	2390	2670	5820	6140	2310	1080	8520	3760	4610	5280	6060
21	1750	2660	4420	5780	946	3290	833	7930	3610	4580	5280	5980
22	1750	2610	13900	5690	1800	3310	748	7440	4060	4570	5250	5950
23	1740	2550	7160	5580	3590	3470	696	7010	4940	4570	5300	5920
24	1710	2280	2340	5500	799	3920	571	6730	4990	4590	5260	5670
25	1670	2180	1280	5440	552	4430	499	6450	5030	5400	5260	6220
26	1650	2130	1070	5550	504	4440	510	7260	4900	5750	5340	4460
27	1650	1730	1790	5570	514	3990	1930	10100	4970	4780	5590	5210
28	1650	1590	2380	5710	539	2430	15100	10600	5150	4590	5640	6080
29	1650	168	1290	5570	---	9280	21900	10900	5150	4430	5630	6080
30	1660	1210	1010	5850	---	3770	17200	10900	5020	4680	5640	6080
31	1670	---	2380	6370	---	1270	---	10300	---	5110	5260	---
TOTAL	42431	61803	63851	165980	139194	85588	126832	295400	169370	152010	149042	169560
MEAN	1369	2060	2060	5354	4971	2761	4228	9529	5646	4904	4808	5652
MAX	1950	2830	13900	6610	16700	9280	21900	12500	9760	5840	5640	6220
MIN	30	168	195	2940	504	478	499	6450	3610	1440	517	4460
CFSM	.87	1.31	1.31	3.41	3.17	1.76	2.69	6.07	3.60	3.12	3.06	3.60
IN.	1.01	1.46	1.51	3.93	3.30	2.03	3.01	7.00	4.01	3.60	3.53	4.02
CAL YR 1990	TOTAL	1007791	MEAN	2761	MAX	13900	MIN	30	CFSM	1.76	IN	23.88
WTR YR 1991	TOTAL	1621061	MEAN	4441	MAX	21900	MIN	30	CFSM	2.83	IN	38.41

YAZOO RIVER BASIN

07287355 FANNEGUSHA CREEK NEAR HOWARD, MS

LOCATION.--Lat 33°08'13", long 90°11'40", in NW4NE4 sec.28, T.15 N., R.1 E., Chickasaw Meridian, Holmes County, Hydrologic Unit 08030206, on downstream side of bridge on paved county road, 0.9 mi north of Howard and 2.2 mi south of State Highway 12.

DRAINAGE AREA.--103 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1987 to current year. August 1953 to February 1965 (annual maximums only). Occasional records since 1947 in files of U.S. Army Corps of Engineers.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 123.79 ft National Geodetic Vertical Datum of 1929, (levels by U.S. Army Corps of Engineers).

REMARKS.--Estimated daily discharges: Oct. 12-17. Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,000 ft³/s, April 12, 1955, gage height, 18.31 (prior to the present levees); maximum gage height, 21.27 ft, April 29, 1991; minimum 6.9 ft³/s, Aug. 28-29, 1988 and Sept. 1-3, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 20,800 ft³/s, Apr. 29, gage height, 21.27 ft; minimum, 15 ft³/s, Oct. 1-4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	17	23	307	64	1850	303	1040	87	25	31	282
2	15	17	21	185	48	1220	199	839	70	24	28	226
3	15	17	687	281	44	1690	154	785	74	23	27	71
4	20	17	337	294	43	682	126	935	92	26	25	40
5	26	26	86	151	59	346	113	2150	89	496	24	30
6	21	26	41	111	218	253	121	1430	462	79	23	27
7	17	23	29	462	173	183	106	694	232	44	38	25
8	17	20	25	314	85	135	823	1560	81	34	36	24
9	17	80	22	158	60	108	430	1170	61	29	73	29
10	18	195	21	783	51	93	189	473	53	26	222	42
11	19	62	20	671	46	82	126	350	53	24	56	26
12	17	29	20	334	41	76	1320	295	62	23	32	22
13	17	22	20	198	40	77	3230	243	53	22	25	21
14	18	20	19	137	39	70	5910	196	46	23	23	20
15	18	19	19	115	35	61	4170	173	42	23	22	20
16	17	17	19	122	32	54	899	147	39	21	21	20
17	17	17	21	94	35	55	704	134	40	23	22	20
18	17	17	26	74	2620	59	676	142	42	23	23	22
19	16	19	36	70	8420	56	807	118	36	25	24	21
20	16	18	1060	69	1580	49	815	837	34	43	22	21
21	16	17	2560	61	777	44	366	347	33	39	20	20
22	19	18	8530	53	2030	44	269	169	35	25	20	20
23	22	20	3980	48	1820	42	237	121	52	21	21	20
24	19	20	916	53	691	37	195	102	38	19	20	23
25	17	19	637	62	576	34	156	94	86	269	21	105
26	16	18	570	56	482	31	128	246	56	1240	22	91
27	16	19	582	49	245	30	558	428	36	151	24	37
28	16	42	881	49	177	35	8340	256	31	107	32	25
29	16	58	509	48	---	4440	14700	442	28	79	28	21
30	16	33	916	68	---	958	2880	221	27	45	24	19
31	17	---	812	133	---	565	---	114	---	35	629	---
TOTAL	543	942	23445	5610	20531	13459	49050	16251	2170	3086	1658	1390
MEAN	17.5	31.4	756	181	733	434	1635	524	72.3	99.5	53.5	46.3
MAX	26	195	8530	783	8420	4440	14700	2150	462	1240	629	282
MIN	15	17	19	48	32	30	106	94	27	19	20	19
CFSM	.16	.29	7.07	1.69	6.85	4.06	15.3	4.90	.68	.93	.50	.43
IN.	.19	.33	8.15	1.95	7.14	4.68	17.05	5.65	.75	1.07	.58	.48

CAL YR 1990 TOTAL 87193 MEAN 239 MAX 8530 MIN 13 CFSM 2.23 IN 30.31
WTR YR 1991 TOTAL 138135 MEAN 378 MAX 14700 MIN 15 CFSM 3.53 IN 48.02

07287355 FANNEGUSHA CREEK NEAR HOWARD, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1987 to current year.

PERIOD OF DAILY RECORD.--

SUSPENDED SEDIMENT CONCENTRATION: March 1987 to May 1989.

SUSPENDED SEDIMENT DISCHARGE: March 1987 to May 1989.

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCOI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
NOV								
15...	1245	18	163	7.3	14.5	9.5	--	--
28...	1550	53	168	7.3	17.0	8.4	--	--
DEC								
11...	1330	20	169	7.2	10.0	11.0	--	--
19...	1010	34	156	7.5	12.0	10.4	--	--
JAN								
07...	1430	589	61	7.0	9.5	11.1	--	--
24...	1010	53	162	7.2	8.0	10.9	--	--
FEB								
04...	1355	43	164	7.1	15.5	10.2	--	--
20...	1615	1030	37	6.3	12.0	10.9	--	--
27...	1020	243	--	--	9.5	12.0	--	--
MAR								
06...	1115	259	99	7.0	14.5	9.2	--	--
21...	1035	44	168	7.2	16.5	9.6	--	--
APR								
03...	1420	150	125	7.0	21.0	8.9	--	--
16...	1100	886	--	6.3	18.0	8.1	--	--
25...	1230	155	144	7.3	21.0	7.9	K76	1400
25...	1830	148	145	7.4	22.5	8.5	100	1600
26...	0030	136	145	7.3	21.5	7.8	K77	3700
26...	0630	131	147	7.3	20.5	7.9	120	2700
26...	1230	127	147	7.5	21.5	8.2	K68	1900
26...	1830	121	144	7.2	21.0	8.3	120	1800
27...	0030	131	150	7.2	20.0	8.5	700	9100
27...	0630	155	153	7.3	19.0	8.3	840	E36000
27...	1230	245	118	7.3	19.5	8.3	2100	E34000
27...	1830	1250	84	6.9	20.5	8.3	2300	>10000
MAY								
03...	1300	766	54	6.7	18.5	8.5	--	--
14...	0945	200	135	7.0	23.0	7.8	--	--
29...	1500	324	66	7.2	27.0	7.0	--	--
JUN								
10...	1400	52	154	7.1	25.5	7.9	--	--
24...	1500	37	166	7.5	28.0	6.6	--	--
JUL								
09...	1000	29	179	7.4	27.0	9.8	--	--
22...	1145	25	163	7.5	29.0	8.2	--	--
AUG								
08...	1000	36	193	7.0	26.5	8.3	--	--
14...	1000	23	194	7.4	25.5	8.4	--	--
20...	1000	22	188	7.5	25.5	8.3	--	--
27...	1300	23	191	7.5	26.0	7.3	180	200
27...	1900	26	184	7.5	26.5	7.9	520	1600
28...	0100	29	185	7.7	25.0	7.5	160	1000
28...	0700	31	175	7.4	25.0	6.8	K24	620
28...	1300	33	177	7.7	28.0	8.3	K12000	>10000
28...	1900	33	177	7.7	30.0	7.0	120	220
29...	0100	31	179	7.7	28.5	6.9	120	260
29...	0700	28	174	7.6	25.5	6.8	100	240
29...	1300	27	182	7.9	28.0	--	K28	110
SEP								
05...	0840	31	170	7.7	23.5	7.7	--	--
19...	1050	21	188	7.7	20.5	8.7	--	--

YAZOO RIVER BASIN

07287355 FANNEGUSHA CREEK NEAR HOWARD, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
NOV								
15...	0.010	0.040	0.020	0.060	0.040	2.2	--	--
28...	0.020	0.030	0.010	0.200	0.150	3.8	67	9.6
DEC								
11...	<0.010	0.170	0.060	0.080	0.050	2.5	--	--
19...	0.010	0.050	0.010	0.110	0.060	2.4	--	--
JAN								
07...	0.060	0.200	0.060	0.630	0.220	2.1	--	--
24...	<0.010	0.190	0.060	0.080	0.040	1.9	--	--
FEB								
04...	0.010	0.080	0.020	0.080	0.020	2.1	--	--
20...	0.060	0.170	0.050	0.430	0.180	6.2	--	--
27...	0.030	0.200	0.080	0.100	0.050	5.7	--	--
MAR								
06...	0.020	0.180	0.060	0.140	0.090	2.0	--	--
21...	<0.010	<0.020	0.010	0.030	0.030	1.8	--	--
APR								
03...	0.010	0.150	0.040	0.100	0.070	1.3	--	--
16...	0.040	0.110	0.040	0.370	0.170	6.2	--	--
25...	0.010	0.160	0.080	0.100	0.070	3.2	56	23
25...	0.010	0.160	0.070	0.090	0.070	3.4	50	20
26...	0.010	0.160	0.070	0.090	0.070	3.4	81	30
26...	0.010	0.160	0.070	0.090	0.070	3.0	98	35
26...	0.010	0.160	0.070	0.080	0.060	3.3	51	17
26...	0.010	0.160	0.070	0.080	0.060	2.9	145	47
27...	0.010	0.200	0.090	0.150	0.070	3.3	135	48
27...	0.030	0.290	0.090	0.300	0.120	2.8	202	85
27...	0.070	0.430	0.110	0.340	0.260	2.6	746	493
27...	0.090	0.260	0.100	1.50	0.320	4.3	1730	5840
MAY								
03...	0.030	0.140	0.070	0.250	0.130	5.6	--	--
14...	0.020	0.160	0.060	0.120	0.070	3.1	--	--
29...	0.050	0.160	0.070	0.270	0.280	7.2	--	--
JUN								
10...	0.010	0.080	0.030	0.130	0.080	3.2	--	--
24...	0.050	0.850	0.300	0.380	0.180	3.1	--	--
JUL								
09...	<0.010	<0.020	0.010	0.090	0.050	1.2	--	--
22...	0.010	0.020	0.010	0.100	0.050	2.0	--	--
AUG								
08...	<0.010	<0.020	0.030	0.090	0.070	1.4	--	--
14...	<0.010	<0.020	0.010	0.060	0.030	1.7	--	--
20...	<0.010	<0.020	0.020	0.050	0.030	1.7	--	--
27...	<0.010	<0.020	0.010	0.040	0.020	1.6	10	0.62
27...	<0.010	<0.020	0.010	0.040	0.030	1.5	27	1.9
28...	<0.010	<0.020	0.030	0.050	0.030	1.6	25	2.0
28...	<0.010	0.020	0.030	0.040	0.030	1.5	20	1.7
28...	<0.010	<0.020	0.010	0.040	0.030	1.5	18	1.6
28...	<0.010	0.050	0.050	0.060	0.040	1.5	28	2.5
29...	<0.010	0.030	0.020	0.050	0.030	1.6	21	1.8
29...	<0.010	0.070	0.010	0.080	0.030	1.6	20	1.5
29...	<0.010	<0.020	0.010	0.040	0.030	1.6	16	1.2
SEP								
05...	0.010	0.100	0.040	0.100	0.060	3.2	--	--
19...	<0.010	<0.020	0.010	0.050	0.030	1.7	--	--

07287355 FANNEGUSHA CREEK NEAR HOWARD, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)
APR 27...	1830	--	6.0	2.5	3.8	2.4	26	4.8	2.6	0.10	9.5
AUG 28...	1900	20	15	7.0	9.1	1.8	70	7.5	5.4	0.20	19
DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/L AS CD) (01028)
APR 27...	49	50	0.020	0.250	0.070	0.070	24000	31	1	<1	<1
AUG 28...	104	108	<0.010	0.020	0.010	0.040	110	1	1	<1	<1
DATE	TIME	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01029)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G) AS CO) (01038)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G) AS CU) (01043)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G) AS FE) (01170)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)
APR 27...	16	1	20	<5	27	<1	41000	670	960	31	
AUG 28...	4	<1	<1	<5	<1	<1	670	170	630	<1	
DATE	TIME	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB) (01052)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01053)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG) (71921)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE) (01147)	SELE- NIUM, IN BOT- TOM MA- TERIAL (UG/G) (01148)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN) (01093)
APR 27...	10	2500	320	3	0.10	<0.01	<1	<1	160	<1	
AUG 28...	<10	200	160	48	0.10	<0.01	<1	<1	40	<10	

07287355 FANNEGUSHA CREEK NEAR HOWARD, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	ALDI-CARB WATER WHOLE TOT.REC (UG/L) (82619)	ALDI-CARB SULFONE WATER WHOLE TOT.REC (UG/L) (82587)	ALDICAR SULF- OXIDE WATER WHOLE TOT.REC (UG/L) (82586)	ALDRIN, TOTAL IN BOT- TOM MA- TIERIAL (UG/KG) (39333)	ALDRIN, TOTAL IN BOT- TOM MA- TIERIAL (UG/KG) (39333)	CARBO- FURAN WATER WHOLE TOT.REC (UG/L) (82615)	3-HYDRX CARBO- FURAN WATER WHOLE TOT.REC (UG/L) (82584)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TIERIAL (UG/KG) (39350)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TIERIAL (UG/KG) (39351)	CHLOR- DYRIFOS TOTAL RECOVER (UG/L) (38932)	DDD, TOTAL IN BOT- TOM MA- TIERIAL (UG/L) (39360)	DDD, TOTAL IN BOT- TOM MA- TIERIAL (UG/KG) (39363)
FEB 27...	--	--	--	--	--	--	--	--	--	--	--	--
APR 03...	<0.5	<0.5	<0.5	<0.010	--	<0.5	<0.5	<0.1	--	<0.01	<0.010	--
JUN 24...	--	--	--	--	<0.1	--	--	--	<1.0	--	--	2.0
DATE	DDE, TOTAL (UG/L) (39365)	DDE, TOTAL IN BOT- TOM MA- TIERIAL (UG/KG) (39368)	DDT, TOTAL (UG/L) (39370)	DDT, TOTAL IN BOT- TOM MA- TIERIAL (UG/KG) (39373)	DEF TOTAL (UG/L) (39040)	DI- AZINON, TOTAL (UG/L) (39570)	DI- AZINON, TOTAL IN BOT- TOM MA- TIERIAL (UG/KG) (39571)	DI- ELDRIN TOTAL (UG/L) (39380)	DI- ELDRIN TOTAL IN BOT- TOM MA- TIERIAL (UG/KG) (39383)	DI- SYSTON TOTAL (UG/L) (39011)	ENDO- SULFAN, TOTAL (UG/L) (39388)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TIERIAL (UG/KG) (39389)
FEB 27...	--	--	--	--	--	--	--	--	--	--	--	--
APR 03...	<0.010	--	<0.010	--	<0.01	<0.01	--	<0.010	--	<0.01	<0.010	--
JUN 24...	--	3.2	--	1.2	--	--	<0.1	--	<0.1	--	--	0.1
DATE	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN, TOTAL IN BOT- TOM MA- TIERIAL (UG/KG) (39393)	ETHION, TOTAL (UG/L) (39398)	ETHION, TOTAL IN BOT- TOM MA- TIERIAL (UG/KG) (39399)	FONOFOS (DY- FONATE) WATER WHOLE TOT.REC (UG/L) (82614)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TIERIAL (UG/KG) (39413)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	HEPTA- CHLOR EPOXIDE TOTAL IN BOT- TOM MA- TIERIAL (UG/KG) (39423)	LINDANE TOTAL (UG/L) (39340)	LINDANE TOTAL IN BOT- TOM MA- TIERIAL (UG/KG) (39343)	MALA- THION, TOTAL (UG/L) (39530)
FEB 27...	--	--	--	--	--	--	--	--	--	--	--	--
APR 03...	<0.010	--	<0.01	--	<0.0	<0.010	--	<0.010	--	<0.010	--	<0.01
JUN 24...	--	<0.1	--	<0.1	--	--	<0.1	--	<0.1	--	<0.1	--
DATE	MALA- THION, TOTAL IN BOT- TOM MA- TIERIAL (UG/KG) (39531)	METHO- MYL TOTAL (UG/L) (39051)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TIERIAL (UG/KG) (39481)	METHYL PARA- THION, TOTAL (UG/L) (39600)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TIERIAL (UG/KG) (39601)	METHYL THION, TOTAL (UG/L) (39790)	METHYL THION, TOTAL IN BOT- TOM MA- TIERIAL (UG/KG) (39791)	METHYL THION, TOTAL IN BOT- TOM MA- TIERIAL (UG/L) (39755)	MIREX, TOTAL IN BOT- TOM MA- TIERIAL (UG/KG) (39758)	1-NAPH- THOL WATER WHOLE REC (MG/L) (77441)	OXYAMYL WATER WHOLE TOT.REC (UG/L) (82613)
FEB 27...	--	--	--	--	--	--	--	--	--	--	--	--
APR 03...	--	<0.5	<0.01	--	<0.01	--	<0.01	--	<0.01	--	<0.5	<0.5
JUN 24...	<0.1	--	--	<1.0	--	<0.1	--	<0.1	--	<0.1	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

[illegible]

07287400 BLACK CREEK AT LEXINGTON, MS

LOCATION.--Lat 33°06'19", long 90°03'12", NE¼SE¼ sec.35, T.15 N., R.2 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08030206, 300 ft downstream of bridge on State Highway 17 in Lexington.

DRAINAGE AREA.--88.1 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1987 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 171.14 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,290 ft³/s, Apr. 29, 1991, gage height, 23.92 ft, minimum daily, 14 ft³/s, Sept. 9, 10, 1987.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,290 ft³/s, Apr. 29, gage height, 23.92 ft; minimum daily discharge, 22 ft³/s, Oct. 19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	24	55	112	66	1360	210	525	86	30	36	209
2	23	24	53	83	58	705	163	314	67	31	35	84
3	23	24	631	240	55	1810	116	262	52	28	36	58
4	32	24	172	136	53	532	94	458	48	205	35	56
5	26	34	62	76	129	307	107	1120	170	276	34	52
6	24	30	48	62	224	204	90	771	514	90	36	49
7	23	28	42	227	100	141	70	234	138	56	38	44
8	25	31	39	113	68	112	212	1360	68	52	44	42
9	25	86	38	73	60	97	139	794	55	43	41	42
10	25	53	37	332	55	88	70	265	50	41	54	41
11	24	31	36	283	52	83	55	137	86	38	50	39
12	24	28	37	128	49	84	891	100	93	37	40	38
13	24	25	39	83	60	83	1170	74	52	37	36	37
14	24	25	41	73	55	73	3520	64	45	36	36	36
15	24	25	50	69	42	69	2450	55	40	35	35	35
16	24	25	34	67	40	66	564	49	36	34	36	34
17	24	24	34	58	46	76	348	36	34	36	35	33
18	23	24	37	53	2810	77	301	101	34	52	42	32
19	22	24	39	57	4750	66	674	54	31	53	41	31
20	23	24	711	56	981	62	443	285	33	84	36	33
21	24	25	841	50	341	60	206	150	31	40	36	30
22	28	25	1630	46	1750	63	160	75	28	35	36	30
23	28	25	628	45	986	62	182	46	36	36	35	29
24	29	24	366	55	379	54	112	42	119	35	37	44
25	25	24	180	59	263	51	92	41	78	33	38	71
26	24	28	99	51	199	50	85	382	38	234	39	41
27	24	30	112	49	137	50	472	281	33	62	55	30
28	24	42	411	53	114	188	4220	147	33	59	57	28
29	24	72	229	50	---	3900	7000	135	32	47	47	27
30	24	59	212	236	---	700	1710	171	29	39	58	26
31	24	---	255	101	---	308	---	152	---	37	398	---
TOTAL	764	967	7198	3176	13922	11581	25926	8680	2189	1951	1612	1381
MEAN	24.6	32.2	232	102	497	374	864	280	73.0	62.9	52.0	46.0
MAX	32	86	1630	332	4750	3900	7000	1360	514	276	398	209
MIN	22	24	34	45	40	50	55	36	28	28	34	26
CFSM	.28	.37	2.63	1.16	5.64	4.25	9.81	3.18	.83	.71	.59	.52
IN.	.32	.41	3.04	1.34	5.88	4.89	10.95	3.67	.92	.82	.68	.58
CAL YR 1990	TOTAL	59881	MEAN	164	MAX	3560	MIN	22	CFSM	1.86	IN	25.28
WTR YR 1991	TOTAL	79347	MEAN	217	MAX	7000	MIN	22	CFSM	2.46	IN	33.50

07287400 BLACK CREEK AT LEXINGTON, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1988 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

		DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	
DATE	TIME								
APR									
25...	1230	87	97	6.9	22.0	8.4	4100	4400	
25...	1800	95	90	7.7	25.0	7.7	1100	2900	
25...	2400	90	97	6.8	21.0	8.0	440	3300	
26...	0600	86	94	6.8	21.0	8.3	K330	2500	
26...	1200	84	95	6.9	20.0	8.2	150	2400	
26...	1800	85	99	6.9	21.0	8.3	390	2000	
26...	2400	84	93	7.1	20.0	8.2	E17000	E24000	
27...	0600	153	85	7.1	19.0	8.0	E18000	E26000	
27...	1200	351	67	7.1	19.0	8.1	K13000	E18000	
27...	1800	896	42	6.6	20.5	7.8	K16000	K17000	
AUG									
27...	1230	47	130	7.4	24.5	8.0	4100	6600	
27...	1830	65	90	7.2	23.0	7.1	>6000	>10000	
28...	0030	59	97	7.0	23.0	7.2	2000	>10000	
28...	0630	59	95	7.1	22.5	7.8	120	4500	
28...	1230	53	99	7.3	25.0	7.6	K21000	6300	
28...	1830	63	101	7.1	27.0	6.8	3200	4400	
29...	0030	49	99	7.1	24.5	7.6	460	1900	
29...	0630	47	100	7.2	23.0	7.8	K230	940	
29...	1230	47	97	7.3	25.0	7.7	110	1400	
DATE		NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, DIS- CHARGE, PENDEDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, PENDEDED (T/DAY) (80155)
APR									
25...	0.010	0.120	0.040	0.070	0.050	3.5	172	40	
25...	0.010	0.110	0.030	0.080	0.050	3.7	185	47	
25...	0.010	0.110	0.030	0.070	0.050	3.7	--	--	
26...	0.010	0.110	0.030	0.070	0.050	3.8	179	42	
26...	0.010	0.110	0.040	0.080	0.050	3.5	--	--	
26...	0.010	0.110	0.030	0.060	0.050	3.4	139	32	
26...	0.020	0.150	0.100	0.170	0.070	4.5	242	55	
27...	0.050	0.210	0.110	0.410	0.190	4.0	764	316	
27...	0.050	0.190	0.080	0.430	0.190	5.8	--	--	
27...	0.080	0.160	0.110	0.730	0.270	7.9	3360	8130	
AUG									
27...	0.010	0.100	0.020	0.200	0.070	2.6	165	21	
27...	0.030	0.150	0.060	0.450	0.160	3.8	514	90	
28...	0.010	0.110	0.040	0.160	0.090	3.1	163	26	
28...	0.010	0.090	0.040	0.140	0.070	2.9	106	17	
28...	0.010	0.090	0.040	0.110	0.070	2.6	96	14	
28...	0.010	0.090	0.240	0.210	0.100	4.3	268	46	
29...	0.010	0.100	0.090	0.090	0.050	2.8	72	9.5	
29...	0.010	0.090	0.030	0.080	0.040	2.3	53	6.7	
29...	0.010	0.090	0.020	0.090	0.060	2.3	60	7.6	

YAZOO RIVER BASIN

07287404 HARLAND CREEK NEAR HOWARD, MS

LOCATION.--Lat 33°06'05", long 90°10'23", in NW4SW4 sec.35, T.15 N., R.1 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08030206, on right bank at downstream side of bridge on gravel road, 1.3 mi downstream from Williams Creek, 0.8 mi upstream from mouth, and 1.8 mi southeast of Howard.

DRAINAGE AREA.--62.1 mi².

PERIOD OF RECORD.--Water years 1987 to current year.

PERIOD OF DAILY RECORD.--

DISCHARGE: November 1986 to current year.

SPECIFIC CONDUCTANCE: December 1986 to February 1987.

pH: December 1986 to March 1987.

WATER TEMPERATURE: December 1986 to March 1987.

DISSOLVED OXYGEN: December 1986 to February 1987.

SUSPENDED SEDIMENT CONCENTRATION: December 1986 to current year.

SUSPENDED SEDIMENT DISCHARGE: December 1986 to current year.

INSTRUMENTATION.--Water-stage recorder and crest-stage gage. Datum of gage is 132.85 ft above National Geodetic Vertical Datum of 1929. Automatic pumping sediment sampler since December 1986.

REMARKS.--Unpublished records of daily specific conductance, pH, water temperature, and dissolved oxygen during selected storm events are available in files of District office. Estimated daily discharges: May 4-14, May 31-June 10. Discharge records good except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF DAILY RECORD.--

DISCHARGE: Maximum, 7,440 ft³/s, Mar. 18, 1987, gage height, 21.36 ft; minimum, 5.6 ft³/s, Aug. 17-18, 1988.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 11,100 mg/L, Feb. 2, 1988; minimum daily mean, 1 mg/L, on several days in 1987-88, 1990.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 62,800 tons, Nov. 16, 1987; minimum daily, 0.02 ton, on several days in 1988.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum, 5,920 ft³/s, Apr. 29, gage height, 22.08 ft; minimum, 8.6 ft³/s, Oct. 19.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 5,320 mg/L, Apr. 14; minimum daily mean, 12 mg/L, Feb. 13.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 47,800 tons, Apr. 29; minimum daily, 0.42 ton, Oct. 25, Nov. 2.

07287404 HARLAND CREEK NEAR HOWARD, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (000061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (000095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
NOV								
15...	1310	11	246	7.2	15.5	10.0	--	--
28...	1630	37	217	7.4	17.0	8.8	--	--
DEC								
11...	1400	17	232	7.2	11.0	9.9	--	--
19...	1115	16	250	7.4	13.0	10.3	--	--
JAN								
07...	1330	228	79	7.1	9.5	11.8	--	--
24...	1025	30	--	7.3	8.5	10.0	--	--
FEB								
04...	1210	23	223	7.2	14.0	9.5	--	--
20...	1515	448	--	6.7	12.0	11.1	--	--
27...	0945	110	159	7.0	9.5	10.1	--	--
MAR								
06...	1200	120	165	7.0	16.5	--	--	--
21...	1105	27	256	7.1	17.0	9.3	--	--
APR								
03...	1455	66	191	7.2	21.5	8.4	--	--
16...	0940	322	102	6.6	17.5	8.8	--	--
25...	1200	57	195	7.2	20.5	8.5	K68	300
25...	1800	52	202	7.3	24.0	8.6	110	240
25...	2400	48	196	7.5	21.5	8.1	K54	420
26...	0600	45	217	7.3	20.0	7.9	K64	520
26...	1200	41	208	7.5	21.0	8.4	K58	340
26...	1800	42	212	7.3	20.5	8.4	K30	390
26...	2400	58	191	7.3	19.5	8.8	K1500	6100
27...	0600	86	178	7.4	19.0	8.5	4400	K15000
27...	1200	403	164	7.3	19.5	8.6	3300	E27000
27...	1800	1250	57	6.9	20.5	--	K12000	>10000
MAY								
03...	1200	217	153	7.0	19.5	8.7	--	--
14...	0845	54	204	7.1	22.0	8.0	--	--
29...	1540	89	143	7.2	27.0	7.0	--	--
JUN								
10...	1200	33	211	7.2	24.5	8.3	--	--
24...	1400	19	259	7.6	28.5	7.0	--	--
JUL								
09...	0915	17	257	7.2	26.0	9.8	--	--
22...	1015	18	238	7.4	27.5	8.0	--	--
AUG								
08...	1030	19	212	6.4	26.5	8.0	--	--
14...	1045	14	280	7.3	26.5	8.6	--	--
20...	0930	17	269	7.2	24.5	7.9	--	--
27...	1200	16	248	7.4	26.0	7.7	780	1300
27...	1800	34	217	7.4	25.5	8.0	K1400	9800
27...	2400	556	187	7.4	24.5	5.2	E15000	>10000
28...	0600	205	80	6.9	25.0	6.7	480	>10000
28...	1200	83	98	7.0	26.0	6.4	K16000	>10000
28...	1800	44	121	7.0	28.5	6.0	K7300	K13000
28...	2400	31	152	7.3	26.0	6.3	640	3500
29...	0600	25	157	7.3	25.0	6.6	120	980
29...	1200	22	192	7.4	26.5	--	K72	760
SEP								
05...	0910	17	230	7.6	23.0	7.8	--	--
19...	1130	13	267	7.7	21.0	8.6	--	--

YAZOO RIVER BASIN

07287404 HARLAND CREEK NEAR HOWARD, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
NOV								
15...	<0.010	0.020	0.020	0.080	0.040	1.8	--	--
28...	0.010	<0.020	0.010	0.140	0.080	2.1	--	--
DEC								
11...	<0.010	0.070	0.060	0.090	0.070	2.4	--	--
19...	<0.010	0.030	<0.010	<0.010	0.020	1.5	--	--
JAN								
07...	0.060	0.160	0.050	0.670	0.230	5.2	--	--
24...	<0.010	0.060	0.060	0.110	0.050	1.8	--	--
FEB								
04...	0.010	0.030	0.010	0.090	0.020	3.0	--	--
20...	0.050	0.120	0.050	0.540	0.150	6.1	--	--
27...	0.010	<0.100	0.070	0.070	0.050	5.3	--	--
MAR								
06...	0.010	0.070	0.050	0.120	0.080	3.2	--	--
21...	<0.010	<0.020	0.010	0.140	0.030	1.6	--	--
APR								
03...	0.010	0.050	0.030	0.120	0.070	1.5	--	--
16...	0.020	0.060	0.030	0.360	0.110	5.3	--	--
25...	0.020	0.060	0.060	0.120	0.080	5.3	77	12
25...	0.020	0.060	0.050	0.120	0.070	4.9	80	11
25...	0.020	0.060	0.050	0.110	0.070	5.0	140	18
26...	0.020	0.060	0.050	0.120	0.070	4.7	140	17
26...	<0.010	0.060	0.050	0.100	0.070	4.7	56	6.2
26...	<0.010	0.050	0.050	0.110	0.070	4.4	197	22
26...	0.020	0.080	0.080	0.640	0.140	3.5	1930	302
27...	0.050	0.090	0.100	0.700	0.260	3.9	1190	276
27...	0.030	0.110	0.070	0.630	0.170	4.7	3560	3870
27...	0.060	0.120	0.060	--	0.220	8.3	3400	11500
MAY								
03...	0.010	0.080	0.060	0.200	0.080	4.2	--	--
14...	0.010	0.060	0.050	0.100	0.060	3.3	--	--
29...	0.030	0.140	0.050	0.250	0.170	7.1	--	--
JUN								
10...	<0.010	<0.020	0.020	0.080	0.050	3.1	--	--
24...	<0.010	<0.020	<0.010	0.040	0.060	2.3	--	--
JUL								
09...	<0.010	<0.020	0.020	0.060	0.030	1.6	--	--
22...	<0.010	<0.020	0.010	0.060	0.030	1.9	--	--
AUG								
08...	0.010	0.070	0.020	0.160	0.120	2.8	--	--
14...	<0.010	<0.020	0.010	0.050	0.030	1.5	--	--
20...	<0.010	<0.020	0.020	0.130	0.040	2.0	--	--
27...	0.020	<0.020	0.020	0.160	0.110	1.7	93	4.0
27...	0.010	<0.020	0.010	0.270	0.100	2.2	203	19
27...	0.060	0.140	0.110	1.30	0.260	6.1	3090	4640
28...	0.120	0.160	0.140	1.10	0.480	8.4	811	449
28...	0.080	0.150	0.090	0.780	0.400	8.7	441	99
28...	0.050	0.140	0.080	0.550	0.280	7.7	265	31
28...	0.040	0.130	0.080	0.400	0.220	6.9	144	12
29...	0.030	0.140	0.090	0.330	0.190	6.1	133	9.0
29...	0.030	0.130	0.090	0.280	0.170	5.3	119	7.1
SEP								
05...	0.020	0.060	0.040	0.180	0.120	3.2	--	--
19...	0.010	<0.020	0.010	0.100	0.080	1.6	--	--

07287404 HARLAND CREEK NEAR HOWARD, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CALCIUM DIS- SOLVED (MG/L) AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L) AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L) AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L) AS K) (00935)	ALKA- LINITY LAB (MG/L) AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L) AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L) AS F) (00950)	SILICA, DIS- SOLVED (MG/L) AS SIO2) (00955)
APR 27...	1800	70	4.7	2.2	3.3	2.0	19	4.7	2.0	<0.10	7.3
AUG 28...	1800	280	10	4.9	5.0	4.1	46	5.8	4.0	0.10	11
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L) AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L) AS N) (00608)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L) AS P) (00671)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L) AS AL) (01105)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G) AS AS) (01002)	CADMIUM TOTAL RECOV- ERABLE (UG/L) AS CD) (01027)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G) AS CD) (01028)
APR 27...	56	40	0.010	0.110	0.040	0.040	20000	11	1	<1	<1
AUG 28...	78	74	0.010	0.140	0.070	0.070	1700	6	1	<1	<1
DATE		CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L) AS CR) (01034)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01029)	COBALT, TOTAL RECOV- ERABLE (UG/L) AS CO) (01037)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G) AS CO) (01038)	COPPER, TOTAL RECOV- ERABLE (UG/L) AS CU) (01042)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G) AS CU) (01043)	IRON, TOTAL RECOV- ERABLE (UG/L) AS FE) (01045)	IRON, DIS- SOLVED (UG/L) AS FE) (01046)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G) AS FE) (01170)	LEAD, TOTAL RECOV- ERABLE (UG/L) AS PB) (01051)
APR 27...	16	1	20	<5	28	1	33000	1200	1100	24	
AUG 28...	11	8	4	<5	8	<1	11000	450	430	8	
DATE		LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G) AS PB) (01052)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L) AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L) AS MN) (01056)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01053)	MERCURY TOTAL RECOV- ERABLE (UG/L) AS HG) (71900)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G) AS HG) (71921)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L) AS SE) (01147)	SELE- NIUM, IN BOT- TOM MA- TERIAL (UG/G) (01148)	ZINC, TOTAL RECOV- ERABLE (UG/L) AS ZN) (01092)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G) AS ZN) (01093)
APR 27...	<10	1600	200	28	0.20	<0.01	<1	<1	110	<1	
AUG 28...	<10	1000	500	140	<0.10	<0.01	<1	<1	60	<10	

07287404 HARLAND CREEK NEAR HOWARD, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	ALDI-CARB WATER WHOLE TOT.REC (UG/L) (82619)	ALDI-CARB SULFONE WATER WHOLE TOT.REC (UG/L) (82587)	ALDICAR SULF- OXIDE WATER WHOLE TOT.REC (UG/L) (82586)	ALDRIN, TOTAL IN BOT- TOM MA- TERRIAL TOTAL (UG/L) (39330)	ALDRIN, TOTAL IN BOT- TOM MA- TERRIAL TOTAL (UG/KG) (39333)	CARBO- FURAN WATER WHOLE TOT.REC (UG/L) (82615)	3-HYDRX CARBO- FURAN WATER WHOLE TOT.REC (UG/L) (82584)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERRIAL TOTAL (UG/L) (39350)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERRIAL TOTAL (UG/KG) (39351)	CHLOR- DYRIFOS TOTAL RECOVER (UG/L) (38932)	DDD, TOTAL IN BOT- TOM MA- TERRIAL TOTAL (UG/L) (39360)	DDD, TOTAL IN BOT- TOM MA- TERRIAL TOTAL (UG/KG) (39363)
FEB 27...	--	--	--	--	--	--	--	--	--	--	--	--
APR 03...	<0.5	<0.5	<0.5	<0.010	--	<0.5	<0.5	<0.1	--	<0.01	<0.010	--
JUN 24...	--	--	--	--	<0.1	--	--	--	<1.0	--	--	1.0
DATE	DDE, TOTAL IN BOT- TOM MA- TERRIAL TOTAL (UG/L) (39365)	DDE, TOTAL IN BOT- TOM MA- TERRIAL TOTAL (UG/KG) (39368)	DDT, TOTAL IN BOT- TOM MA- TERRIAL TOTAL (UG/L) (39370)	DDT, TOTAL IN BOT- TOM MA- TERRIAL TOTAL (UG/KG) (39373)	DEF TOTAL (UG/L) (39040)	DI- AZINON, TOTAL IN BOT- TOM MA- TERRIAL TOTAL (UG/L) (39570)	DI- AZINON, TOTAL IN BOT- TOM MA- TERRIAL TOTAL (UG/KG) (39571)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERRIAL TOTAL (UG/L) (39380)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERRIAL TOTAL (UG/KG) (39383)	DI- SYSTON TOTAL (UG/L) (39011)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERRIAL TOTAL (UG/L) (39388)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERRIAL TOTAL (UG/KG) (39389)
FEB 27...	--	--	--	--	--	--	--	--	--	--	--	--
APR 03...	<0.010	--	<0.010	--	<0.01	<0.01	--	<0.010	--	<0.01	<0.010	--
JUN 24...	--	1.1	--	1.1	--	--	<0.1	--	<0.1	--	--	<0.1
DATE	ENDRIN, TOTAL IN BOT- TOM MA- TERRIAL TOTAL (UG/L) (39390)	ENDRIN, TOTAL IN BOT- TOM MA- TERRIAL TOTAL (UG/KG) (39393)	ETHION, TOTAL IN BOT- TOM MA- TERRIAL TOTAL (UG/L) (39398)	ETHION, TOTAL IN BOT- TOM MA- TERRIAL TOTAL (UG/KG) (39399)	FONOFOS (DY- FONATE) WATER WHOLE TOT.REC (UG/L) (82614)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERRIAL TOTAL (UG/L) (39410)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERRIAL TOTAL (UG/KG) (39413)	HEPTA- CHLOR EPOXIDE TOTAL IN BOT- TOM MA- TERRIAL TOTAL (UG/L) (39420)	HEPTA- CHLOR EPOXIDE TOTAL IN BOT- TOM MA- TERRIAL TOTAL (UG/KG) (39423)	LINDANE TOTAL IN BOT- TOM MA- TERRIAL TOTAL (UG/L) (39340)	LINDANE TOTAL IN BOT- TOM MA- TERRIAL TOTAL (UG/KG) (39343)	MALA- THION, TOTAL IN BOT- TOM MA- TERRIAL TOTAL (UG/L) (39530)
FEB 27...	--	--	--	--	--	--	--	--	--	--	--	--
APR 03...	<0.010	--	<0.01	--	<0.0	<0.010	--	<0.010	--	<0.010	--	<0.01
JUN 24...	--	<0.1	--	<0.1	--	--	<0.1	--	<0.1	--	<0.1	--
DATE	MALA- THION, TOTAL IN BOT- TOM MA- TERRIAL TOTAL (UG/KG) (39531)	METHO- MYL TOTAL (UG/L) (39051)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	METH- OXY- CHLOR, TOTAL (UG/KG) (39481)	METHYL PARA- THION, TOTAL (UG/L) (39600)	METHYL PARA- THION, TOTAL (UG/KG) (39601)	METHYL PARA- THION, TOTAL (UG/L) (39790)	METHYL TRI- THION, TOTAL (UG/KG) (39791)	METHYL TRI- THION, TOTAL (UG/L) (39795)	MIREX, TOTAL IN BOT- TOM MA- TERRIAL TOTAL (UG/KG) (39758)	1-NAPH- THOL WATER WHOLE REC (MG/L) (77441)	OXYAMYL WATER WHOLE TOT.REC (UG/L) (82613)
FEB 27...	--	--	--	--	--	--	--	--	--	--	--	--
APR 03...	--	<0.5	<0.01	--	<0.01	--	<0.01	--	<0.01	--	<0.5	<0.5
JUN 24...	<0.1	--	--	<1.0	--	<0.1	--	<0.1	--	<0.1	--	--
DATE	PARA- THION, TOTAL IN BOT- TOM MA- TERRIAL TOTAL (UG/L) (39540)	PARA- THION, TOTAL IN BOT- TOM MA- TERRIAL TOTAL (UG/KG) (39541)	PCB, TOTAL IN BOT- TOM MA- TERRIAL TOTAL (UG/L) (39516)	PCB, TOTAL IN BOT- TOM MA- TERRIAL TOTAL (UG/KG) (39519)	NAPH- THA- LENES, TOTAL IN BOT- TOM MA- TERRIAL TOTAL (UG/L) (39250)	PCN, TOTAL IN BOT- TOM MA- TERRIAL TOTAL (UG/KG) (39251)	PER- THANE TOTAL IN BOT- TOM MA- TERRIAL TOTAL (UG/L) (39034)	PER- THANE TOTAL IN BOT- TOM MA- TERRIAL TOTAL (UG/KG) (81886)	PHORATE TOTAL (UG/L) (39023)	PROPHAM TOTAL (UG/L) (39052)	SEVIN, TOTAL (UG/L) (39750)	TOX- APHENE, TOTAL (UG/L) (39400)
FEB 27...	--	--	--	--	--	--	--	--	--	--	--	--
APR 03...	<0.01	--	<0.1	--	<0.10	--	<0.1	--	<0.01	<0.5	<0.50	<1
JUN 24...	--	<0.1	--	<1	--	<1.0	--	<1.00	--	--	--	--

07287404 HARLAND CREEK NEAR HOWARD, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39403)	TOTAL TRI- THION (UG/L) (39786)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39787)	2,4-D, TOTAL (UG/L) (39730)	2, 4-DP TOTAL (UG/L) (82183)	2,4,5-T TOTAL (UG/L) (39740)	ALA- CHLOR TOTAL RECOVER (UG/L) (77825)	AME- TRYNE TOTAL (UG/L) (82184)	ATRA- ZINE, TOTAL (UG/L) (39630)	BROM- ACIL WATER WHLREC (UG/L) (30234)	BUTA- CHLOR WATER WHLREC (UG/L) (30235)
FEB 27...	--	--	--	<0.01	<0.01	<0.01	<0.20	<0.10	<0.10	<0.2	<0.1
APR 03...	--	<0.01	--	--	--	--	--	--	--	--	--
JUN 24...	<10	--	<0.1	--	--	--	--	--	--	--	--
DATE	BUTYL- ATE WATER WHLREC (UG/L) (30236)	CARBOX- IN WATER WHOLE RECOV- ERABLE (UG/L) (30245)	CYAN- AZINE TOTAL (UG/L) (81757)	CYCLO- ATE WATER WHOLE RECOV- ERABLE (UG/L) (30254)	DEETHYL ATRA- ZINE, WATER, WHOLE, TOTAL (UG/L) (75981)	DE-ISO PROPYL ATRAZIN WATER, WHOLE, TOTAL (UG/L) (75980)	DICAMBA (MED- IBEN) (BAN- VEL D) TOTAL (UG/L) (82052)	DIPHEN- AMID WATER WHOLE RECOV- ERABLE (UG/L) (30255)	HEXAZI- NONE WATER WHOLE RECOV- ERABLE (UG/L) (30264)	METOLA- CHLOR WATER WHOLE TOT.REC (UG/L) (82612)	METRI- BUZIN WATER WHOLE TOT.REC (UG/L) (82611)
FEB 27...	<0.1	<0.2	<0.20	<0.1	<0	<0	<0.01	<0.1	<0.2	<0.2	<0.1
APR 03...	--	--	--	--	--	--	--	--	--	--	--
JUN 24...	--	--	--	--	--	--	--	--	--	--	--
DATE	PICLO- RAM (TOR- DON) (AMDON) TOTAL (UG/L) (39720)	PROME- TONE TOTAL (UG/L) (39056)	PROME- TRYNE TOTAL (UG/L) (39057)	PROPA- CHLOR WATER WHOLE RECOV. (UG/L) (30295)	PRO- PAZINE TOTAL (UG/L) (39024)	SILVEX, TOTAL (UG/L) (39760)	SIMA- ZINE TOTAL (UG/L) (39055)	SIME- TRYNE TOTAL (UG/L) (39054)	TER- BACIL WATER WHOLE RECOV. (UG/L) (30311)	TRI- FLURA- LIN TOTAL RECOVER (UG/L) (39030)	VER- NOLATE WATER WHOLE RECOV. (UG/L) (30324)
FEB 27...	<0.01	<0.2	<0.1	<0.1	<0.10	<0.01	<0.10	<0.1	<0.2	<0.10	<0.1
APR 03...	--	--	--	--	--	--	--	--	--	--	--
JUN 24...	--	--	--	--	--	--	--	--	--	--	--

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK) (00002)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM (80164)	BED MAT. SIEVE DIAM. % FINER THAN .125 MM (80165)	BED MAT. SIEVE DIAM. % FINER THAN .250 MM (80166)	BED MAT. SIEVE DIAM. % FINER THAN .500 MM (80167)	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM (80168)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)
SEP 19...	1132	25.0	1	3	20	76	95	97	99
19...	1134	50.0	1	3	27	84	97	99	100
19...	1136	75.0	1	2	21	81	97	99	100

07287404 HARLAND CREEK NEAR HOWARD, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
OCTOBER				NOVEMBER			DECEMBER		
1	11	26	.74	9.5	19	.48	14	27	1.0
2	9.2	24	.60	9.6	16	.42	15	27	1.1
3	9.4	36	1.0	12	15	.46	1160	3090	13600
4	24	198	14	12	18	.56	129	621	254
5	27	121	9.5	15	35	1.5	51	189	27
6	15	69	2.8	13	26	.91	33	100	9.0
7	13	47	1.7	11	29	.84	28	58	4.4
8	12	35	1.2	10	33	.93	26	53	3.7
9	11	28	.82	90	304	97	23	48	3.1
10	11	23	.70	60	146	27	20	43	2.4
11	12	22	.71	21	73	4.2	18	33	1.6
12	10	22	.60	15	49	2.0	17	38	1.7
13	9.4	23	.58	13	37	1.3	16	39	1.7
14	11	23	.67	11	27	.80	17	38	1.7
15	10	24	.66	11	20	.57	20	36	2.0
16	9.2	22	.56	12	36	1.2	19	35	1.8
17	9.2	21	.53	12	32	1.0	18	31	1.5
18	9.5	22	.56	12	25	.82	18	22	1.0
19	8.9	23	.55	11	19	.60	16	18	.80
20	10	23	.63	10	20	.56	510	1770	5000
21	11	22	.69	11	23	.68	717	1960	5390
22	13	22	.75	14	26	.99	1850	3810	22600
23	11	19	.58	15	29	1.1	1270	1620	6530
24	9.9	17	.45	14	32	1.2	240	495	351
25	9.6	16	.42	14	31	1.1	125	182	63
26	9.8	17	.44	13	29	1.0	80	77	17
27	9.9	17	.46	11	30	.90	86	260	88
28	11	18	.54	36	88	9.3	322	892	797
29	11	16	.45	20	39	2.1	138	146	60
30	9.2	19	.46	13	31	1.1	124	531	515
31	9.3	21	.53	---	---	---	232	922	877
JANUARY				FEBRUARY			MARCH		
1	70	93	18	34	54	5.0	1380	3280	17700
2	45	60	7.2	28	40	3.0	468	1030	1500
3	222	714	580	27	32	2.3	823	1770	5090
4	112	153	53	24	24	1.5	277	377	311
5	55	58	8.8	90	278	190	152	193	80
6	42	45	5.1	183	455	264	120	112	37
7	208	744	559	76	97	21	102	88	24
8	91	133	37	42	36	4.1	79	72	16
9	46	46	5.8	34	25	2.3	59	66	11
10	519	2110	5190	30	19	1.6	47	62	7.9
11	203	524	350	25	15	1.0	44	60	7.0
12	100	138	38	22	13	.77	41	54	6.0
13	63	71	12	21	12	.70	41	54	6.0
14	47	40	5.2	21	13	.72	36	51	5.0
15	46	39	4.9	19	14	.72	33	48	4.3
16	48	38	4.9	19	16	.83	34	47	4.3
17	35	31	2.9	22	18	1.1	39	52	5.5
18	31	25	2.0	2170	3690	33300	40	54	5.8
19	33	23	2.1	3390	4810	44400	31	45	3.8
20	35	23	2.2	635	1590	3150	28	40	3.0
21	30	22	1.8	291	1800	1510	28	39	2.9
22	26	19	1.3	1050	3110	9780	26	25	1.8
23	24	20	1.3	571	996	2030	28	24	1.8
24	29	48	3.9	198	215	117	28	35	2.7
25	40	57	6.2	150	140	57	24	47	3.0
26	30	27	2.2	130	99	35	22	47	2.7
27	25	23	1.6	112	77	23	22	46	2.7
28	27	21	1.5	96	73	19	105	944	1330
29	26	23	1.6	---	---	---	2910	3750	31000
30	158	701	400	---	---	---	395	610	790
31	67	110	22	---	---	---	181	164	82

07287404 HARLAND CREEK NEAR HOWARD, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
APRIL			MAY			JUNE			
1	132	112	40	379	434	461	38	105	11
2	101	97	27	236	240	153	28	60	4.5
3	73	89	18	207	204	115	30	140	11
4	53	77	11	270	1210	883	35	170	17
5	41	65	7.3	600	4140	19700	38	386	208
6	35	57	5.5	380	2280	7820	290	3560	12000
7	40	95	13	200	514	277	115	380	118
8	134	486	197	400	2320	8380	45	70	8.5
9	83	169	40	300	743	602	35	40	3.8
10	35	89	8.6	170	209	96	33	33	2.7
11	25	68	4.5	130	157	55	71	788	400
12	952	3070	18100	100	167	45	176	914	699
13	1170	3610	12700	83	96	22	41	140	16
14	2980	5320	43100	70	77	15	33	148	15
15	1780	3090	19900	54	484	87	30	59	4.7
16	317	577	536	81	259	77	27	39	2.9
17	192	204	108	70	561	247	111	762	358
18	157	188	80	158	1310	799	63	371	77
19	308	1560	2230	84	1110	598	30	132	11
20	418	1310	2050	260	2100	2550	23	68	4.3
21	145	187	75	211	1150	967	24	36	2.3
22	106	148	43	52	182	27	23	27	1.7
23	209	671	410	35	97	9.2	22	21	1.3
24	95	118	32	31	57	4.9	20	41	2.8
25	58	89	14	30	60	5.0	37	356	59
26	43	272	34	45	90	12	19	42	2.2
27	545	2220	4770	44	84	10	19	18	.93
28	3870	4480	45300	269	1850	2290	20	16	.85
29	4360	4150	47800	138	886	352	20	17	.90
30	1150	1520	5350	78	408	144	20	19	1.0
31	---	---	---	52	1810	267	---	---	---
JULY			AUGUST			SEPTEMBER			
1	19	21	1.1	15	20	.79	390	2890	3430
2	19	24	1.2	16	22	.97	152	755	434
3	19	26	1.3	17	25	1.1	38	92	9.8
4	20	99	6.4	16	26	1.1	24	49	3.2
5	89	543	176	16	25	1.1	18	50	2.4
6	26	72	5.2	16	25	1.1	17	50	2.5
7	22	39	2.3	27	130	15	19	39	2.0
8	20	26	1.4	20	66	3.8	17	31	1.4
9	17	29	1.3	16	23	1.0	17	576	31
10	17	18	.82	16	18	.76	17	723	38
11	16	19	.80	20	76	4.7	17	808	39
12	16	21	.93	16	22	1.0	16	225	9.8
13	18	22	1.0	14	21	.76	15	76	3.1
14	18	17	.80	13	27	.97	15	43	1.7
15	19	13	.69	13	23	.83	14	37	1.4
16	18	14	.69	14	19	.70	13	35	1.3
17	19	16	.82	15	15	.61	12	34	1.1
18	18	21	1.0	36	337	57	13	33	1.1
19	23	84	5.9	23	54	3.4	13	29	1.0
20	31	85	7.6	16	32	1.4	12	25	.81
21	21	31	1.8	14	40	1.5	14	22	.81
22	18	27	1.3	13	36	1.3	14	19	.73
23	17	24	1.1	13	31	1.0	13	17	.59
24	18	22	1.1	14	22	.84	16	43	3.4
25	18	23	1.1	15	16	.61	30	62	5.4
26	18	23	1.1	15	21	.84	17	36	1.6
27	19	24	1.2	64	863	392	14	25	.92
28	28	109	11	155	751	594	14	27	1.0
29	34	102	9.9	23	136	8.5	14	31	1.2
30	19	44	2.2	28	374	61	11	34	1.0
31	16	22	.93	85	868	243	---	---	---

YAZOO RIVER BASIN

07288800 YAZOO RIVER AT REDWOOD, MS
(National stream-quality accounting network station)

LOCATION.--Lat 32°29'14", long 90°49'02", on line between secs. 1 and 4, T.17 N., R.4 E., Washington Meridian, Warren County, Hydrologic Unit 08030208, at downstream side of Illinois Central Gulf Railroad bridge, 0.6 mi downstream from U.S. Highway 61, 1.0 mi northwest of Redwood, and at mile 16.7.

DRAINAGE AREA.--12,603 mi².

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1978 to September 1981.

WATER TEMPERATURE: October 1978 to September 1981.

REMARKS.--Prior to October 2, 1980, daily values of specific conductance listed as 30 microsiemens represent 30 microsiemens or less due to instrument limitations.

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOC- CI, FECAL, KF AGAR (COLS. PER 100 ML) (31673)
NOV 15...	1130	8800	105	6.8	17.0	45	8.5	87	160	92
FEB 27...	1300	30400	46	6.6	15.0	130	8.1	80	980	200
APR 04...	1200	24400	70	7.1	18.0	120	8.3	87	5900	7700
JUN 05...	1300	41000	80	7.0	27.0	6.0	6.6	83	820	K110
JUL 22...	1400	15900	79	7.1	29.5	83	6.3	83	K1500	490
SEP 20...	1330	15400	78	7.6	26.5	90	7.5	92	2600	K1700

DATE	CALCIUM, DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)
NOV 15...	8.2	2.7	6.4	2.3	41	34	7.0	5.1	<0.10
FEB 27...	4.2	1.5	2.6	2.1	22	18	4.3	2.2	0.10
APR 04...	5.5	1.9	3.4	2.2	27	22	4.9	2.9	<0.10
JUN 05...	6.8	2.2	2.6	2.1	35	29	4.5	3.4	0.20
JUL 22...	6.3	2.1	4.1	1.9	26	21	5.0	3.5	0.10
SEP 20...	6.9	2.2	3.8	2.0	31	25	4.4	3.5	0.10

DATE	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)
NOV 15...	5.1	58	58	0.040	<0.010	0.200	0.200	0.090	0.060
FEB 27...	5.8	35	35	0.040	0.010	0.200	0.200	0.080	0.080
APR 04...	6.6	43	42	0.110	<0.010	0.300	0.220	0.140	0.070
JUN 05...	4.2	64	44	0.050	<0.010	0.210	0.210	0.090	0.050
JUL 22...	6.1	57	43	0.050	0.010	0.200	0.230	0.060	0.030
SEP 20...	5.9	50	45	0.030	0.010	0.240	0.210	0.040	0.030

07288800 YAZOO RIVER AT REDWOOD, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 15...	1.1	--	0.120	0.020	0.060	0.010	19	451	97
FEB 27...	1.3	--	0.190	0.060	0.070	0.040	12	985	96
APR 04...	0.90	--	0.240	0.040	0.130	0.020	33	2170	82
JUN 05...	1.6	--	0.240	0.020	0.130	0.020	20	2210	86
JUL 22...	0.80	0.80	0.130	0.010	0.090	0.010	14	601	96
SEP 20...	0.50	--	0.180	0.030	0.060	0.020	78	3240	71

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)
FEB 27...	90	1	22	0.6	1.0	1	<3	3	240	1
APR 04...	170	1	28	<0.5	2.0	2	<3	6	300	1
JUL 22...	50	2	34	<0.5	2.0	3	<3	5	110	<1
SEP 20...	10	1	38	<0.5	2.0	<1	<3	4	54	<1

DATE	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
FEB 27...	10	38	<0.1	<10	1	<1	<1.0	27	<6	15
APR 04...	<4	17	<0.1	<10	1	<1	<1.0	35	<6	28
JUL 22...	8	21	<0.1	<10	3	<1	<1.0	46	<6	12
SEP 20...	<4	16	<0.1	<10	<1	<1	<1.0	48	<6	7

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS
(National stream-quality accounting network station)

LOCATION.--Lat 32°18'45", long 90°54'25", in sec.32, T.16 N., R.3 E., Washington Meridian, Warren County, Hydrologic Unit 08060100, on left bank at downstream side of Interstate 20 bridge, and at mile 435.3.

DRAINAGE AREA.--1,140,500 mi², approximately. The 4,000 mi², approximately, in the Great Divide basin in Southern Wyoming is not included.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Discharge: January 1928 to September 1988. Prior to July 1931, monthly discharge only, published in WSP 1311.

Gage heights: April 1930 to September 1988 in reports of Geological Survey. Since December 1871, referred to canal gages (above 30.0 ft or 9.14 m only, since December 1949), September 1934 to December 1964, referred to bridge gage, in reports of Mississippi River Commission. January 1937 to December 1967, referred to bridge gage, January 1968 to December 1976, referred to gage 1.1 mi upstream and January 1977 to September 1986 referred to gage at mile 435.3 (corrected), in reports of U. S. Army 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 U. S. Army Corps of Engineers. Prior to October 1968, published as Mississippi River near Vicksburg.

REVISED RECORDS.--WRD Miss. 1975: Drainage area.

GAGE.--Water-stage recorder operated by the U. S. Army Corps of Engineers. Datum of gage is 46.22 ft above National Geodetic Vertical Datum of 1929 (U. S. Army Corps of Engineers bench mark) or 46.16 ft above mean gulf level. The U.S. Geological Survey operated a water-stage recorder over the cavity in the 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 downstream from Yazoo diversion canal, and at mile 435.7 (corrected), operated until January, 1977. Gages used by Mississippi River Commission: Dec. 10, 1871 to Sept. 30, 1929, nonrecording gage at mouth of Yazoo diversion canal, 1.5 mi upstream from bridge gage, since Sept. 30, 1929, nonrecording gage at mouth of Yazoo diversion canal, 1.5 mi upstream from bridge gage, since October 1929, nonrecording gage on Yazoo diversion canal, 1,600 ft upstream from mouth. Gages used by National Weather Service, May 18, 1873 to Oct. 29, 1919, nonrecording gage 0.5 mi upstream from bridge gage, Oct. 30, 1919 to Nov. 30, 1922, nonrecording gage at mouth of Yazoo Canal, Dec. 1, 1922 to Aug. 31, 1934, nonrecording gage on Yazoo diversion canal, Sept. 1, 1934 to Dec. 31, 1962, nonrecording gage at bridge, Jan. 1, 1963 to Dec. 31, 1967, water-stage recorder on left bank near downstream side of bridge, Jan. 1, 1968 to Dec. 31, 1976, on left bank at site 1.1 mi upstream, and since Jan. 1, 1977, on left bank at downstream side of Interstate 20 bridge. All gages at same datum, but readings differ due to slope of water surface between them.

REMARKS.--Natural flow of stream affected by many reservoirs and navigation dams. U. S. Army Corps of Engineers telemeter at station.

COOPERATION.--Records furnished by U. S. Army Corps of Engineers.

AVERAGE DISCHARGE.--60 years, 583,000 ft³/s, 422,390,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,080,000 ft³/s, Feb. 17, 1937, maximum gage height, 53.2 ft Feb. 21, 1937, minimum discharge, 99,400 ft³/s, Nov. 1, 1939, minimum gage height, -7.02 ft, Feb. 3, 1940 (ice jam above).

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1871, 58.4 ft U. S. Army Corps of Engineers gage on Yazoo diversion canal, approximately 56.0 ft, May 4, 1927 (U. S. Geological Survey gage).

Note.--Records for the 1989 through 1991 Water Years will be published in a subsequent report.

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

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 (water years 1980-81, 1984-87, 1989-91): Maximum, 595 microsiemens, Aug. 10, 1986; minimum, 202 microsiemens, Mar. 1, 2, 1989. Minimum recorded (water years 1975-79, 1982-83, 1988), 200 microsiemens, Dec. 17, 19, 20, 1977, Dec. 21, 1982.

WATER TEMPERATURE (water years 1977, 1981-82, 1984-87, 1989-91): Maximum, 32.5°C, Aug. 4, 1982, Aug. 7-9, 1987; minimum, 0.0°C, on several days in water year 1977.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 520 microsiemens, Aug. 7; minimum, 212 microsiemens, Jan. 15.

WATER TEMPERATURE: Maximum, 30.5°C, on several days during summer; minimum, 3.0°C, on several days during winter.

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	
NOV 30...	1130	316000	415	7.9	14.0	22	9.3	89	--	--	45	15	
FEB 15...	1300	847000	340	7.6	7.0	55	11.3	93	520	180	39	12	
MAY 31...	1300	876000	330	7.6	25.5	59	--	--	640	350	37	11	
JUL 26...	1400	373000	370	7.5	29.5	43	7.6	99	780	1500	44	14	
DATE		SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT TOT IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00613)
NOV 30...	19	3.1	166	136	49	22	0.10	6.4	238	248	0.030	0.020	
FEB 15...	14	2.7	120	98	48	21	<0.10	6.7	215	210	0.040	0.040	
MAY 31...	11	2.9	129	106	30	11	0.20	6.0	182	182	0.050	<0.010	
JUL 26...	16	3.4	166	136	50	18	0.30	6.7	240	243	0.020	<0.010	
DATE		NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. TOTAL (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	
NOV 30...	1.40	1.40	0.060	0.040	0.70	--	0.130	0.060	0.070	0.040	<10		
FEB 15...	1.50	1.50	0.070	0.070	0.90	--	0.160	0.060	0.050	0.050	<10		
MAY 31...	2.10	2.10	0.050	<0.010	0.80	--	0.230	0.070	0.110	0.050	20		
JUL 26...	1.70	1.80	<0.010	<0.010	0.70	0.60	0.140	0.090	0.090	0.080	20		

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
NOV 30...	<1	60	<0.5	<1.0	<1	<3	5	10	<1	12	2
FEB 15...	<1	51	<0.5	<1.0	<1	<3	3	15	1	11	5
MAY 31...	2	81	<0.5	2.0	<1	<3	6	16	1	7	7
JUL 26...	2	76	<0.5	<1.0	<1	<3	4	23	<1	21	2

DATE	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. & FINER THAN .062 MM (70331)
NOV 30...	<0.1	<10	3	<1	<1.0	200	<6	3	15	12800	59
FEB 15...	<0.1	<10	1	<1	<1.0	140	<6	<3	66	151000	28
MAY 31...	<0.1	<10	2	<1	<1.0	130	<6	12	9	21300	80
JUL 26...	<0.1	<10	3	<1	<1.0	170	<6	4	9	9060	80

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25 DEG. C, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	409	406	407	422	419	421	243	240	241
2	449	444	446	408	402	406	423	420	421	240	230	235
3	454	446	448	402	400	401	421	410	415	233	230	232
4	456	426	451	403	400	402	413	410	411	233	230	231
5	449	438	447	410	400	406	413	400	409	243	233	240
6	447	438	444	410	400	405	412	410	411	243	240	242
7	445	437	442	403	400	402	420	410	415	243	240	241
8	439	426	437	403	400	402	413	390	399	243	238	242
9	445	435	440	411	403	409	398	390	392	240	238	239
10	437	428	434	430	410	414	393	390	392	238	230	233
11	437	434	435	432	410	429	399	391	395	233	228	231
12	448	426	441	433	430	432	393	370	382	230	220	225
13	456	447	453	439	432	437	372	340	361	223	220	221
14	449	437	445	438	430	433	370	362	366	220	213	219
15	439	426	431	432	423	429	378	370	372	218	212	216
16	426	416	420	422	412	419	378	372	374	223	218	220
17	425	417	421	413	410	411	373	350	371	228	220	222
18	419	416	417	413	410	411	372	371	371	230	222	228
19	417	409	416	413	410	411	378	371	373	232	230	231
20	408	397	403	410	400	403	380	378	379	233	230	232
21	404	396	398	403	400	401	382	358	379	242	232	238
22	407	398	401	402	399	401	379	359	368	243	240	241
23	419	406	414	399	390	394	358	348	351	252	242	247
24	419	409	416	392	391	392	353	348	350	253	250	251
25	409	396	403	393	390	392	353	322	339	262	252	257
26	399	396	397	400	393	397	322	300	314	263	258	261
27	396	387	391	402	398	401	313	301	309	270	262	267
28	394	386	388	410	400	403	303	289	296	272	262	270
29	399	394	396	412	410	411	288	262	275	272	269	271
30	408	398	405	418	411	414	263	250	256	271	261	268
31	414	408	411	---	---	---	252	240	246	272	262	270
MONTH	456	386	423	439	390	409	423	240	365	272	212	241
FEBRUARY			MARCH			APRIL			MAY			
1	273	268	271	263	251	258	333	320	329	293	280	287
2	283	270	278	258	242	250	322	312	320	282	270	279
3	293	282	288	252	240	249	319	311	313	289	278	281
4	299	283	292	258	240	249	320	311	317	298	281	290
5	300	290	296	258	247	250	318	310	312	303	290	299
6	310	298	302	251	241	249	313	310	312	310	300	305
7	319	310	312	258	248	251	313	310	312	310	300	309
8	330	318	323	260	250	256	312	308	311	309	300	306
9	331	321	327	260	250	258	313	302	309	313	303	310
10	323	319	321	269	258	262	310	300	305	323	310	316
11	328	320	322	271	260	269	310	301	306	333	320	326
12	333	322	331	282	271	276	310	300	305	338	330	333
13	333	330	332	294	281	286	308	300	303	333	328	331
14	340	330	335	303	292	296	303	300	301	330	320	327
15	350	340	344	306	303	304	303	299	301	329	320	325
16	352	340	347	307	304	306	303	290	298	328	308	316
17	343	330	336	308	297	306	300	290	293	312	298	307
18	331	318	324	309	296	307	299	288	291	320	302	312
19	313	302	310	315	307	309	299	290	292	330	310	322
20	309	300	303	316	308	311	298	290	292	331	311	324
21	303	298	300	318	309	314	298	290	292	332	318	327
22	308	300	302	322	312	319	290	270	280	333	321	330
23	303	298	301	334	321	327	282	270	275	342	320	338
24	302	290	294	335	331	333	288	280	282	353	340	347
25	293	288	291	335	331	333	290	280	284	360	343	353
26	288	270	280	337	332	335	292	282	288	361	350	356
27	278	268	271	338	335	337	303	290	294	362	350	355
28	268	260	262	339	329	337	309	298	302	380	360	368
29	---	---	---	336	327	330	311	292	302	383	378	381
30	---	---	---	331	326	329	300	289	293	382	368	376
31	---	---	---	332	327	330	---	---	---	382	368	376
MONTH	352	260	307	339	240	294	333	270	300	383	270	326

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25 DEG. C, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	402	378	391	463	450	455	482	453	471			
2	410	400	403	452	448	450	493	470	480			
3	411	380	396	450	440	444	493	473	487			
4	380	350	362	443	429	436	500	483	493			
5	352	340	344	440	428	432	511	492	502			
6	342	330	335	423	418	420	518	509	513			
7	339	322	331	423	412	418	520	508	512			
8	353	338	345	442	423	431	512	490	499			
9	373	353	364	459	438	445	502	478	491			
10	382	370	377	460	458	459	508	479	492			
11	389	380	383	456	440	450	512	491	501			
12	393	380	388	461	448	454	503	481	496			
13	419	391	404	472	458	466	513	482	501			
14	442	420	429	473	468	471	512	482	500			
15	443	432	440	473	468	470	510	479	492			
16	452	440	446	483	468	471	500	478	489			
17	463	450	458	482	473	478	502	489	495			
18	469	460	464	472	450	462	510	483	502			
19	470	461	466	472	460	465	508	482	498			
20	463	458	461	482	461	474	501	480	490			
21	473	460	467	483	472	480	502	479	489			
22	473	461	469	482	470	477	512	491	505			
23	463	458	461	472	452	464	513	492	502			
24	460	448	452	460	442	448	512	480	500			
25	452	440	443	453	440	445	519	490	504			
26	440	430	433	---	---	---	513	490	506			
27	433	420	430	---	---	---	512	483	503			
28	452	430	439	---	---	---	508	482	497			
29	470	450	459	471	448	458	510	490	501			
30	472	459	465	468	440	457	512	490	502			
31	---	---	---	472	450	462	502	478	489			
MONTH	473	322	417	483	412	455	520	453	497			
YEAR	520	212	366									

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

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

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	5.0	4.5	5.0	7.5	7.0	7.5	13.0	12.5	12.5	18.0	18.0	18.0
2	5.0	4.5	5.0	8.0	7.5	8.0	13.0	12.5	13.0	18.5	18.0	18.5
3	5.0	4.5	5.0	8.0	8.0	8.0	13.5	13.0	13.5	18.5	18.5	18.5
4	5.0	5.0	5.0	8.0	8.0	8.0	14.0	13.5	14.0	19.0	18.5	19.0
5	5.5	5.0	5.0	8.5	8.0	8.5	14.0	13.5	14.0	19.0	19.0	19.0
6	5.5	5.5	5.5	9.0	8.5	9.0	14.0	14.0	14.0	19.5	19.0	19.0
7	5.5	5.5	5.5	9.0	9.0	9.0	14.5	14.0	14.0	19.5	19.0	19.5
8	5.5	5.5	5.5	9.0	9.0	9.0	14.5	14.5	14.5	19.5	19.5	19.5
9	6.0	5.5	6.0	9.0	8.5	9.0	15.0	14.5	15.0	20.0	19.5	19.5
10	6.5	6.0	6.5	9.0	9.0	9.0	15.5	15.0	15.0	20.0	20.0	20.0
11	7.0	6.5	7.0	9.5	9.0	9.0	15.5	15.0	15.5	20.5	20.0	20.0
12	7.0	6.5	7.0	9.5	9.5	9.5	15.5	15.5	15.5	20.5	20.5	20.5
13	7.0	6.5	7.0	10.0	9.5	9.5	16.0	15.5	16.0	21.0	20.5	20.5
14	7.0	7.0	7.0	9.5	9.5	9.5	16.5	16.0	16.5	21.5	21.0	21.0
15	7.0	7.0	7.0	9.5	9.5	9.5	16.5	16.0	16.5	21.5	21.0	21.0
16	6.5	6.5	6.5	9.5	9.0	9.0	17.0	16.5	17.0	21.0	21.0	21.0
17	6.5	6.5	6.5	9.0	9.0	9.0	17.5	17.0	17.0	21.5	21.0	21.0
18	6.5	6.5	6.5	9.5	9.0	9.5	17.5	17.5	17.5	21.5	21.0	21.5
19	7.0	6.5	6.5	9.5	9.0	9.5	18.0	17.5	18.0	22.0	21.5	21.5
20	7.0	6.5	6.5	10.0	9.5	9.5	18.0	18.0	18.0	22.0	21.5	22.0
21	6.5	6.5	6.5	10.5	9.5	10.0	18.0	17.5	18.0	22.5	22.0	22.5
22	7.0	6.5	6.5	11.0	10.0	10.5	17.5	17.5	17.5	23.0	22.5	22.5
23	6.5	6.5	6.5	11.0	10.5	10.5	17.5	17.0	17.5	23.0	23.0	23.0
24	6.5	6.0	6.5	11.0	10.5	11.0	17.5	17.0	17.5	24.0	23.0	23.5
25	6.5	6.0	6.5	11.5	11.0	11.5	18.0	17.5	17.5	24.0	24.0	24.0
26	6.5	6.0	6.5	12.0	11.5	11.5	18.0	18.0	18.0	24.0	24.0	24.0
27	7.0	6.5	6.5	12.5	12.0	12.0	18.0	17.5	18.0	24.5	24.0	24.5
28	7.0	7.0	7.0	12.0	12.0	12.0	18.0	17.5	17.5	25.0	24.5	24.5
29	---	---	---	12.5	12.0	12.5	17.5	17.5	17.5	25.0	24.5	25.0
30	---	---	---	12.5	12.5	12.5	18.0	17.5	17.5	25.0	25.0	25.0
31	---	---	---	12.5	12.5	12.5	---	---	---	25.5	25.0	25.0
MONTH	7.0	4.5	6.0	12.5	7.0	10.0	18.0	12.5	16.0	25.5	18.0	21.5
	JUNE			JULY			AUGUST			SEPTEMBER		
1	25.5	25.5	25.5	29.0	28.5	29.0	30.0	29.5	29.5	28.5	28.5	28.5
2	26.0	25.5	26.0	29.5	29.0	29.0	30.0	29.5	30.0	28.5	28.5	28.5
3	26.5	26.0	26.5	29.0	29.0	29.0	30.0	30.0	30.0	28.5	28.0	28.5
4	27.0	26.5	26.5	29.5	29.0	29.0	30.0	30.0	30.0	28.5	28.0	28.5
5	27.0	27.0	27.0	29.5	29.0	29.0	30.5	30.0	30.0	29.0	28.5	28.5
6	27.0	27.0	27.0	29.5	29.0	29.0	30.5	30.0	30.5	29.0	28.5	29.0
7	27.0	26.5	27.0	29.5	29.0	29.0	30.5	30.5	30.5	29.0	29.0	29.0
8	27.0	26.5	27.0	29.5	29.5	29.5	30.5	30.5	30.5	29.5	29.0	29.5
9	27.0	27.0	27.0	29.5	29.5	29.5	30.5	30.0	30.5	29.5	29.0	29.5
10	27.0	27.0	27.0	30.0	29.5	29.5	30.5	30.0	30.0	29.5	29.5	29.5
11	27.0	26.5	26.5	30.0	30.0	30.0	30.0	30.0	30.0	29.5	29.0	29.5
12	27.0	26.5	26.5	30.0	30.0	30.0	30.0	30.0	30.0	29.5	29.0	29.5
13	27.0	26.5	27.0	30.5	30.0	30.0	30.0	29.5	30.0	29.5	29.0	29.5
14	27.5	27.0	27.5	30.5	30.0	30.0	29.5	29.0	29.5	29.5	29.5	29.5
15	27.5	27.5	27.5	30.5	30.0	30.5	29.5	29.0	29.0	29.5	29.5	29.5
16	27.5	27.5	27.5	30.5	30.0	30.0	29.5	29.0	29.0	29.5	29.5	29.5
17	27.5	27.5	27.5	30.5	30.0	30.5	29.0	29.0	29.0	30.0	29.5	29.5
18	27.5	27.5	27.5	30.5	30.0	30.5	29.0	29.0	29.0	30.0	29.5	30.0
19	28.0	27.5	27.5	30.0	30.0	30.0	29.5	29.0	29.0	29.5	28.0	29.0
20	28.0	27.5	27.5	30.0	29.5	30.0	29.5	29.0	29.0	28.0	26.5	27.5
21	28.0	27.5	27.5	30.0	29.5	30.0	29.0	28.5	29.0	26.5	26.0	26.0
22	28.0	28.0	28.0	30.0	30.0	30.0	28.5	28.0	28.0	26.0	25.5	26.0
23	28.5	28.0	28.0	30.0	30.0	30.0	28.5	28.0	28.0	26.0	26.0	26.0
24	28.5	28.0	28.0	30.5	30.0	30.0	28.5	28.0	28.5	26.0	25.0	25.5
25	28.5	28.0	28.0	30.5	30.0	30.0	28.5	28.0	28.0	25.0	24.5	25.0
26	28.5	28.0	28.0	30.0	30.0	30.0	28.0	28.0	28.0	24.5	24.0	24.5
27	28.5	28.5	28.5	30.0	30.0	30.0	28.0	28.0	28.0	24.0	23.5	24.0
28	28.5	28.0	28.5	30.0	29.5	30.0	28.0	28.0	28.0	23.5	23.0	23.0
29	28.5	28.0	28.0	30.0	29.5	29.5	28.5	28.0	28.0	23.0	23.0	23.0
30	28.5	28.0	28.5	30.0	29.5	29.5	28.5	28.5	28.5	23.0	22.5	23.0
31	---	---	---	30.0	29.5	30.0	28.5	28.5	28.5	---	---	---
MONTH	28.5	25.5	27.5	30.5	28.5	29.5	30.5	28.0	29.0	30.0	22.5	27.5
YEAR	30.5	4.5	18.0									

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, near right bank on downstream side of bridge on State Highway 19, 0.2 mi east of West, 5.2 mi upstream from Jordan Creek, and 7.1 mi downstream from Zilpha Creek.

DRAINAGE AREA.--1,027 mi², revised.

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 U. S. Army Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder. Datum of gage is 249.74 ft above National Geodetic Vertical Datum of 1929 (levels by U. S. Army Corps of Engineers). Prior to June 10, 1948, nonrecording gage, and June 10, 1948, to Nov. 2, 1967, recorder at site about 2,000 ft downstream at same datum.

REMARKS.--Estimated daily discharges: June 9-13. Records good except for estimated daily discharges, which are poor. Telemeter and satellite telemeter at station.

AVERAGE DISCHARGE.--20 years, 1,700 ft³/s, 22.48 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 71,200 ft³/s May 21, 1983, gage height, 26.08 ft, minimum, 13 ft³/s, Oct. 14, 1987.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 30, 1951, reached a stage of 24.09 ft, discharge, 47,000 ft³/s, at site about 2,000 ft downstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 23	1800	33,900	22.87	Apr. 15	2000	27,600	22.13
Feb. 21	0130	29,900	22.90	Apr. 30	0330	*49,400	*24.39
Mar. 4	1630	12,000	19.65	May 9	1000	11,400	19.53
Mar. 31	1530	15,500	20.33	May 29	0400	39,100	23.42

Minimum discharge, 41 ft³/s, Oct. 3,4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	46	149	6240	1110	2710	13500	36300	7560	192	189	402
2	43	49	129	4910	1120	4420	9520	23600	4460	173	151	402
3	42	48	541	5230	848	6330	5970	14500	2840	162	132	332
4	43	47	1080	4770	627	11300	3770	10000	1300	171	119	254
5	56	48	760	3470	679	10900	2430	6760	658	341	111	185
6	68	52	556	2350	1880	8840	1070	7790	519	539	107	144
7	64	64	323	1860	2210	6200	681	5980	436	372	102	124
8	64	58	210	1880	2380	4000	845	8010	379	255	149	110
9	59	67	159	1570	3330	2710	1870	10900	345	200	169	211
10	54	232	133	1720	3600	1440	1750	8690	325	175	233	226
11	49	216	119	2460	2640	856	1910	8290	312	156	169	152
12	48	192	111	2540	1340	699	2340	8010	304	142	136	168
13	47	150	108	2400	756	645	3790	5730	300	131	137	155
14	47	110	103	2780	609	623	8770	4080	360	123	124	121
15	47	86	102	2740	538	586	23200	3230	386	115	109	100
16	46	73	103	2000	469	535	26200	2660	378	110	99	88
17	45	65	107	1140	429	507	20400	2110	320	106	93	82
18	45	61	164	842	1790	575	14100	1550	270	103	91	79
19	44	59	242	703	16800	600	12000	1380	232	104	96	74
20	45	59	865	636	27400	596	8760	1980	212	144	114	90
21	45	59	3420	579	28400	532	5490	1790	200	129	103	113
22	44	61	14300	524	21700	483	3770	1130	196	112	100	117
23	48	68	32200	466	17400	483	2880	802	229	102	95	100
24	55	81	29100	435	11600	491	1950	685	217	98	89	125
25	56	85	21300	487	8820	498	1290	696	244	228	83	1100
26	55	83	16100	492	6800	453	983	1220	269	942	80	1120
27	52	82	12000	478	4690	399	1200	2260	254	1040	79	1080
28	49	91	9210	462	3330	405	4270	16500	224	862	98	959
29	47	205	7320	472	---	5040	28200	34100	209	556	116	523
30	46	157	5000	825	---	13200	47000	19000	204	333	164	286
31	46	---	5430	1110	---	14800	---	11600	---	259	509	---
TOTAL	1545	2754	161444	58571	173295	101856	259909	261333	24142	8475	4146	9022
MEAN	49.8	91.8	5208	1889	6189	3286	8664	8430	805	273	134	301
MAX	68	232	32200	6240	28400	14800	47000	36300	7560	1040	509	1120
MIN	42	46	102	435	429	399	681	685	196	98	79	74
CFSM	.05	.09	5.07	1.84	6.03	3.20	8.44	8.21	.78	.27	.13	.29
IN.	.06	.10	5.85	2.12	6.28	3.69	9.41	9.47	.87	.31	.15	.33

CAL YR 1990	TOTAL	706939	MEAN	1937	MAX	32200	MIN	37	CFSM	1.89	IN	25.61
WTR YR 1991	TOTAL	1066492	MEAN	2922	MAX	47000	MIN	42	CFSM	2.85	IN	38.63

07290000 BIG BLACK RIVER NEAR BOVINA, MS
(National stream-quality accounting network station)

LOCATION.--Lat 32°20'51", long 90°41'48", in NW4SE4 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 upstream from Clear Creek, 0.4 mi upstream from Illinois Central and Gulf Railroad bridge, 2.3 mi east of Bovina, 10.8 mi upstream from Fourteenmile Creek, and at mile 61.7. Records include flow of Clear Creek.

DRAINAGE AREA.--2,812 mi², revised (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. WDR MS-79-1: 1978(M).

GAGE.--Water-stage recorder and supplemental nonrecording gage read twice daily. Datum of gage is 84.93 ft above National Geodetic Vertical Datum of 1929 (levels by U. S. Army Corps of Engineers). Prior to Oct. 23, 1941, nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharges. Records good. U.S. Army Corps of Engineers satellite telemeter at station.

AVERAGE DISCHARGE.--55 years, 3,832 ft³/s, 18.51 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 92,300 ft³/s, May. 24, 1983, gage height, 40.77 ft, minimum, 65 ft³/s, Oct. 2, 1954, gage height, 5.98 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--From information by local residents, floods at Askews Bridge, 6 mi upstream, reached elevations above NGVD of 1929 as follows: Dec. 20, 1961, 139.2 ft, in 1912 and in January 1927, 139 ft, Apr. 1, 1951, 138.5 ft. A flood in May 1930, reached about the same elevation as that of Apr. 1, 1951, at Askews Bridge.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 30	1000	32,800	36.80	May 5	1800	*56,200	*39.21
Feb. 26	1300	38,400	38.15	Jun 7	0900	14,200	30.30
Apr. 22	2200	35,000	37.62				

Minimum discharge, 85 ft³/s, Oct. 27, 28 gage height, 6.20 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	114	88	252	26800	2480	28100	9690	37800	6270	700	1350	757
2	111	91	214	23900	2600	23600	9470	44300	6550	657	1090	1380
3	108	92	460	21400	2370	19800	9450	46800	7690	855	880	1880
4	108	91	740	19400	2090	17300	9820	50600	9200	845	725	1880
5	111	97	979	17400	2100	15700	10300	52900	11300	3980	639	1440
6	119	96	1100	16100	2980	14600	10400	53200	13300	2960	568	1030
7	114	94	1350	15900	4600	13800	10500	49300	14100	2720	524	883
8	119	91	1220	14800	5600	13000	10900	46200	13600	2700	500	730
9	120	161	959	13600	5670	12200	11200	40800	12500	2000	490	736
10	130	307	739	13600	5110	11400	11100	36800	10800	1410	556	785
11	126	357	566	13500	4060	10500	10700	33400	6360	1090	481	639
12	117	346	438	12200	3670	9560	8970	28500	2870	880	435	523
13	110	272	352	11100	3740	8870	10600	24100	2180	721	428	423
14	105	275	291	9700	3570	8350	13500	20000	1970	626	423	418
15	102	274	251	8240	2720	6040	15100	16800	1860	569	442	428
16	99	257	226	6900	1930	3010	15200	14600	1530	519	407	385
17	97	228	209	5240	1600	2250	18100	13000	1310	462	362	363
18	94	201	202	4380	1850	2130	25500	12200	1230	659	341	351
19	90	178	194	3890	7880	2040	30600	11100	1220	953	393	327
20	87	159	778	3110	10700	2040	32000	10200	1280	978	407	302
21	91	143	4010	2520	11100	1950	33000	9690	1090	755	396	300
22	129	135	12500	2180	11600	1790	33000	9300	1300	664	583	405
23	117	134	17100	1930	12800	1660	31900	8130	1450	629	493	426
24	100	130	17300	1780	20300	1570	28000	5400	1240	605	396	516
25	93	126	18400	1900	33800	1470	24800	3770	993	556	344	1360
26	88	118	22200	2030	38000	1410	21300	3080	891	590	337	1450
27	86	119	25300	2040	37100	1340	18400	2960	800	926	332	2540
28	88	182	27000	1880	33200	1290	19500	3550	792	993	332	2500
29	89	316	30500	1650	---	8220	27900	4940	943	1030	347	2110
30	89	297	32500	1770	---	10300	29800	5850	886	1650	564	1700
31	88	---	30500	2170	---	10100	---	6480	---	1560	859	---
TOTAL	3239	5455	248830	283010	275220	265390	550700	705750	137505	36242	16424	28967
MEAN	104	182	8027	9129	9829	8561	18360	22770	4584	1169	530	966
MAX	130	357	32500	26800	38000	28100	33000	53200	14100	3980	1350	2540
MIN	86	88	194	1650	1600	1290	8970	2960	792	462	332	300
CFSM	.04	.07	2.86	3.25	3.50	3.04	6.53	8.10	1.63	.42	.19	.34
IN.	.04	.07	3.29	3.74	3.64	3.51	7.29	9.34	1.82	.48	.22	.38

CAL YR 1990	TOTAL	1864667	MEAN	5109	MAX	32500	MIN	86	CFSM	1.82	IN	24.67
WTR YR 1991	TOTAL	2556732	MEAN	7005	MAX	53200	MIN	86	CFSM	2.49	IN	33.82

BIG BLACK RIVER BASIN

07290000 BIG BLACK RIVER NEAR BOVINA, MS--Continued

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 September 1981.

WATER TEMPERATURE: July 1975 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT 15...	1300	103	210	7.1	21.0	20	7.5	84	770	470
JAN 22...	1330	2160	115	7.1	9.0	8.9	9.3	80	140	230
FEB 08...	1100	5620	87	6.6	13.0	88	8.4	79	2900	4600
APR 10...	1100	11200	50	6.8	20.0	66	7.3	80	220	370
JUN 19...	1200	1200	146	7.4	29.0	32	6.5	85	900	200
AUG 26...	1200	338	171	7.3	28.0	18	7.5	96	420	1500

DATE	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD (MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)
OCT 15...	14	6.0	14	2.8	77	63	11	15	0.20
JAN 22...	8.1	3.4	6.9	2.2	36	30	11	6.2	<0.10
FEB 08...	5.4	2.1	6.1	2.7	22	18	8.6	5.3	<0.10
APR 10...	4.3	1.7	4.3	1.9	18	15	6.1	2.8	0.20
JUN 19...	14	5.6	9.0	2.2	74	60	6.2	9.1	0.10
AUG 26...	12	4.9	12	3.1	66	54	11	12	0.10

DATE	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)
OCT 15...	11	116	112	0.010	<0.010	<0.100	<0.100	<0.010	0.030
JAN 22...	11	76	68	0.030	<0.010	0.200	0.100	0.100	0.090
FEB 08...	8.1	56	50	0.030	<0.010	0.100	0.100	0.070	0.060
APR 10...	5.7	--	36	0.050	0.010	0.055	0.050	0.100	0.050
JUN 19...	14	89	98	0.030	<0.010	0.140	0.160	<0.010	0.020
AUG 26...	11	129	99	0.010	<0.010	<0.050	0.064	0.070	0.070

07290000 BIG BLACK RIVER NEAR BOVINA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	
OCT 15...	1.1	--	0.070	0.020	0.040	<0.010	62	17	71	
JAN 22...	0.60	--	0.120	0.020	0.050	0.020	17	99	98	
FEB 08...	1.4	--	0.300	0.050	0.090	0.030	157	2380	98	
APR 10...	0.50	--	0.140	0.030	0.080	0.010	10	302	60	
JUN 19...	0.60	--	0.160	0.040	0.060	<0.010	6	19	90	
AUG 26...	0.70	0.40	0.140	0.040	0.050	0.010	6	5.5	96	
DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)
JAN 22...	40	<1	43	<0.5	1.0	1	<3	2	110	<1
FEB 08...	160	1	49	<0.5	<1.0	<1	<3	3	270	2
JUN 19...	50	2	61	<0.5	<1.0	<1	<3	2	120	2
AUG 26...	20	1	42	<0.5	<1.0	1	<3	2	30	<1
DATE	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
JAN 22...	7	210	<0.1	<10	3	<1	<1.0	51	<6	5
FEB 08...	<4	93	<0.1	<10	2	<1	<1.0	43	<6	6
JUN 19...	<4	370	<0.1	<10	5	<1	<1.0	110	<6	<3
AUG 26...	<4	77	<0.1	<10	2	<1	<1.0	89	<6	10

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 left bank at downstream side of bridge on county highway, 1.4 mi upstream from South Fork Bayou Pierre, and 1.7 mi southeast of Willows.

DRAINAGE AREA.--654 mi², revised.

PERIOD OF RECORD.--Water years 1959-61 (annual maximums), June 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 82.32 ft above National Geodetic Vertical Datum of 1929. Sept. 9, 1958, to May 31, 1961, crest-stage gage at same site and datum.

REMARKS.--Estimated daily discharges: Jan. 9-22, Apr. 1-11, May 13-16, and Sept. 27-30. Records fair except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--30 years, 933 ft³/s, 19.37 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 88,000 ft³/s, Apr. 7, 1983, gage height, 29.36 ft, minimum 19 ft³/s, Oct. 6, 1969, minimum gage height, 2.17 ft, Nov. 4, 5, 6, 1971.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 15,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 20	0745	20,700	22.61	Apr. 14	2115	25,300	24.39
Mar. 29	2015	22,800	23.53	Apr. 30	0545	*36,000	*25.97

Minimum daily discharge, 44 ft/s, Oct. 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	52	111	446	1320	2840	900	7750	1760	230	118	315
2	50	52	96	282	640	4530	760	3210	711	211	112	399
3	50	52	646	1620	482	4180	660	1530	491	216	268	331
4	53	51	675	1710	415	1960	600	7380	401	211	143	242
5	60	60	284	670	1870	1040	500	5730	354	1030	112	182
6	58	73	175	353	4030	794	450	8060	368	1300	150	153
7	56	66	126	532	2410	628	420	3490	664	800	201	142
8	58	62	111	575	1010	512	360	8450	486	663	193	189
9	52	100	100	654	622	435	357	7690	338	462	143	180
10	51	161	94	1960	487	382	352	5890	278	290	155	138
11	52	120	91	7190	414	347	298	6150	317	227	273	140
12	48	105	89	3590	359	334	6690	2800	629	197	223	126
13	48	81	87	1170	332	334	17600	1380	804	180	141	116
14	47	70	84	719	325	337	21800	770	449	169	121	109
15	47	64	81	523	306	339	21400	580	324	161	114	105
16	47	60	79	457	280	312	8460	530	267	151	111	101
17	46	59	79	392	277	327	3320	486	239	143	111	99
18	46	57	80	1110	314	601	3680	536	232	160	109	114
19	45	56	85	2510	5390	549	460	701	1520	227	104	307
20	44	57	167	6540	15500	378	3200	449	612	221	98	262
21	112	58	144	1440	8960	310	1610	407	326	198	94	212
22	170	58	3280	392	8320	284	1950	357	331	176	95	143
23	91	63	6610	415	4360	266	11600	331	784	142	92	123
24	74	67	1440	2740	2060	246	4740	434	589	129	88	139
25	71	64	433	3360	1100	229	2620	502	478	124	90	1090
26	61	63	260	1630	901	216	1370	595	571	137	112	740
27	56	64	209	744	750	207	9820	1170	669	209	105	413
28	54	116	268	595	609	208	7770	634	325	170	172	284
29	53	180	248	552	---	19100	23100	511	346	149	193	182
30	52	130	804	3100	---	8090	29000	439	285	141	302	148
31	52	---	1390	2750	---	1900	---	4360	---	130	312	---
TOTAL	1855	2321	18426	50721	63843	52215	185847	83302	15948	8954	4655	7224
MEAN	59.8	77.4	594	1636	2280	1684	6195	2687	532	289	150	241
MAX	170	180	6610	7190	15500	19100	29000	8450	1760	1300	312	1090
MIN	44	51	79	282	277	207	298	331	232	124	88	99
CFSM	.09	.12	.91	2.50	3.49	2.58	9.47	4.11	.81	.44	.23	.37
IN.	.11	.13	1.05	2.89	3.63	2.97	10.57	4.74	.91	.51	.26	.41

CAL YR 1990	TOTAL	510280	MEAN	1398	MAX	40000	MIN	44	CFSM	2.14	IN	29.03
WTR YR 1991	TOTAL	495311	MEAN	1357	MAX	29000	MIN	44	CFSM	2.08	IN	28.17

07291000 HOMOCBITTO RIVER AT EDDICETON, MS

LOCATION.--Lat 31°30'10", long 90°46'35", in SE4NE4 sec.11, T.6 N., R.4 E., Washington Meridian, Franklin County, Hydrologic Unit 08060205, on left bank at upstream side of Illinois Central and Gulf Railroad bridge, 900 ft downstream from bridge on U.S. Highway 84, 0.4 mi upstream from McCall Creek, and 0.8 mi east of Eddiceton.

DRAINAGE AREA.--181 mi², revised.

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 212.22 ft above National Geodetic Vertical Datum of 1929. Prior to May 18, 1984, at datum 5.0 ft higher. Prior to May 26, 1942, nonrecording gage at site 900 ft upstream.

REMARKS.--Estimated daily discharges: Mar. 18 to Apr. 8. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

AVERAGE DISCHARGE.--53 years, 269 ft³/s, 20.18 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 55,400 ft³/s, Apr. 13, 1974, gage height, 19.53 ft, minimum, 26 ft³/s, Sept. 10, 1952 (temporary regulation), minimum unregulated, 28 ft³/s, Sept. 2, 4, 1954, Sept. 29, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 9,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 19	2045	16,400	16.08	Apr. 27	0915	10,400	13.46
Apr. 14	2300	*20,800	*17.65	Apr. 29	1400	18,200	16.74

Minimum daily discharge, 45 ft³/s, Oct. 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	49	56	130	212	403	200	993	125	80	59	232
2	51	48	59	139	172	526	180	651	120	78	58	115
3	52	48	202	846	153	369	160	525	128	107	74	86
4	72	49	172	295	146	160	140	1120	117	117	102	82
5	77	64	93	203	1790	120	115	624	111	198	63	74
6	57	56	80	160	744	159	90	660	114	394	60	67
7	54	51	83	144	303	130	120	285	120	126	61	64
8	53	48	77	128	249	98	85	2040	107	132	62	77
9	53	103	72	120	228	93	74	1690	102	106	57	81
10	51	87	69	2060	214	89	75	1160	104	92	66	64
11	51	59	68	1500	193	88	199	866	303	82	78	60
12	51	52	68	286	181	86	951	517	197	77	63	58
13	51	50	67	197	183	89	2530	353	127	74	60	57
14	50	50	66	168	188	83	5540	335	114	73	59	56
15	49	50	65	173	161	77	6470	303	106	72	60	56
16	48	50	64	176	152	76	748	210	100	71	59	54
17	48	50	64	149	192	89	470	179	98	71	59	53
18	48	50	66	371	189	370	623	346	99	74	220	53
19	47	50	66	1510	6050	250	516	313	111	108	179	54
20	45	50	67	321	3940	180	786	277	93	84	75	60
21	54	50	109	205	2870	150	222	201	243	74	64	54
22	94	51	812	161	1970	140	1110	142	106	69	60	52
23	67	57	315	151	536	130	1560	134	102	69	60	175
24	57	55	144	1110	289	120	357	138	110	68	58	297
25	52	53	103	468	185	105	189	132	98	64	57	809
26	49	53	91	236	153	102	142	229	102	63	59	168
27	48	55	88	195	127	100	4230	155	87	66	72	99
28	48	109	92	186	120	120	1340	315	84	63	94	80
29	48	96	119	203	---	750	10800	415	117	65	66	72
30	48	61	242	1010	---	300	2660	246	88	61	111	67
31	48	---	210	366	---	250	---	332	---	60	220	---
TOTAL	1672	1754	3949	13367	21890	5802	42682	15886	3633	2938	2495	3376
MEAN	53.9	56.5	127	431	782	187	1423	512	121	94.8	80.5	113
MAX	94	109	812	2060	6050	750	10800	2040	303	394	220	809
MIN	45	48	56	120	120	76	74	132	84	60	57	52
CFSM	.30	.32	.70	2.38	4.32	1.03	7.86	2.83	.67	.52	.45	.62
IN.	.34	.36	.81	2.75	4.50	1.19	8.77	3.26	.75	.60	.51	.69
CAL YR 1990	TOTAL	135410	MEAN 371	MAX 19200	MIN 45	CFSM 2.05	IN 27.83					
WTR YR 1991	TOTAL	119444	MEAN 327	MAX 10800	MIN 45	CFSM 1.81	IN 24.55					

HOMOCHITTO RIVER BASIN

07292500 HOMOCHITTO RIVER AT ROSETTA, MS
(National stream-quality accounting network station)

LOCATION.--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, near downstream side of pier cap, under bridge, on State Highway 33 at Rosetta, 0.8 mi downstream from Foster Creek, and 4.0 mi upstream from Dry Creek.

DRAINAGE AREA.--787 mi², revised.

WATER-DISCHARGE RECORDS

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 U. S. Army Corps of Engineers, Vicksburg district.

REVISED RECORDS.--WSP 1731: 1955(M). WSP 1920: 1955. WDR MS-86-1: 1985 (P).

GAGE.--Water-stage recorder. Datum of gage is 94.39 ft above National Geodetic Vertical Datum of 1929. June 16 to Nov. 12, 1906, nonrecording gage at present site, at different datum, December 1976 to April 1978, near right bank on downstream side of Illinois Central and Gulf Railroad bridge, 800 ft upstream and nonrecording gage read twice daily at present site, all at same datum.

REMARKS.--Estimated daily discharges: Jan 8-15, 28-30, June 5-7. Records fair except for estimated daily discharges, which are poor. Telemeter and satellite telemeter at station.

AVERAGE DISCHARGE.--40 years, 1,151 ft³/s, 19.86 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 150,000 ft³/s, Apr. 13, 1974, from rating curve extended above 47,000 ft³/s, maximum gage height, 36.03 ft, May 4, 1953, minimum discharge, 129 ft³/s, Sept. 22-25, 28-30, 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since February 1949, 37.80 ft, Mar. 31, 1949, from reports of U. S. Army Corps of Engineers, Vicksburg district.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 16,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 20	0115	37,800	17.52	Apr. 29	1745	46,200	18.40
Apr. 15	0145	*56,900	*19.32	May 8	1700	19,400	14.23
Apr. 27	1415	19,200	14.18				

Minimum daily discharge, 250 ft³/s, Oct. 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	261	294	446	935	1870	1280	847	4410	1260	659	318	753
2	252	302	415	1410	1280	3640	716	2360	1030	668	302	687
3	254	302	1450	6200	1090	3130	634	1980	937	628	340	469
4	269	307	1950	2490	987	2250	596	7010	875	1410	417	443
5	401	335	895	1430	5810	1580	582	4260	925	1290	387	429
6	326	403	616	1000	5650	1340	581	3810	1000	1450	891	722
7	279	358	530	873	2890	1200	588	2200	1170	1390	421	1750
8	271	326	522	678	2020	1040	818	9260	929	1350	746	715
9	271	424	487	3540	1550	925	818	10900	804	936	516	692
10	266	680	460	10400	1290	848	627	6770	813	733	540	503
11	266	454	442	5140	1120	782	1590	5040	3290	622	3190	405
12	266	362	429	2630	991	751	7400	3050	1940	567	814	374
13	271	354	424	1430	927	757	5660	2260	1640	534	600	359
14	271	360	424	1270	1030	760	10400	1890	1200	510	491	361
15	271	359	424	1200	890	674	26200	1810	989	491	476	361
16	271	353	424	1010	721	622	4130	1840	896	474	473	361
17	271	352	411	840	707	1090	2250	2500	5260	440	426	361
18	267	347	415	789	860	2010	4530	4810	2800	431	402	352
19	258	352	424	7000	8660	1150	2580	2320	2960	614	671	425
20	250	362	438	2620	19400	859	2300	1620	1300	651	483	461
21	274	368	548	1760	12000	756	2010	1490	1020	608	354	356
22	490	373	3010	1170	10700	709	1440	1350	1420	433	338	341
23	433	400	3660	929	3690	687	3480	1170	1220	411	344	360
24	321	402	1350	5000	2150	637	2240	1270	1350	423	335	1240
25	301	388	812	3850	1420	582	1690	1510	1010	378	322	4570
26	288	384	652	2070	1190	538	1430	1610	885	356	359	1350
27	281	381	575	1430	1120	517	8160	1790	927	392	377	675
28	284	657	553	1310	1060	517	3860	1160	805	381	564	497
29	291	770	578	2040	---	1010	26100	1730	740	369	454	427
30	291	548	964	9410	---	4330	14800	1350	755	387	395	394
31	293	---	1110	3450	---	1500	---	1380	---	340	1020	---
TOTAL	9059	12057	25838	85304	93073	38471	139057	95910	42150	20326	17766	21193
MEAN	292	402	833	2752	3324	1241	4635	3094	1405	656	573	706
MAX	490	770	3660	10400	19400	4330	26200	10900	5260	1450	3190	4570
MIN	250	294	411	678	707	517	581	1160	740	340	302	341
CFSM	.37	.51	1.06	3.50	4.22	1.58	5.89	3.93	1.79	.83	.73	.90
IN.	.43	.57	1.22	4.03	4.40	1.82	6.57	4.53	1.99	.96	.84	1.00
CAL YR 1990	TOTAL	513531	MEAN	1407	MAX	58200	MIN	235	CFSM	1.79	IN	24.27
WTR YR 1991	TOTAL	600204	MEAN	1644	MAX	26200	MIN	250	CFSM	2.09	IN	28.37

07292500 HOMOCITTO RIVER AT ROSETTA, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1958-59, 1967-68, 1970-71, 1975 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 1975 to September 1981.

WATER TEMPERATURE: January 1975 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	
OCT 16...	1230	257	70	6.6	22.0	8.7	8.4	96	1200	--	2.9	1.1	
JAN 29...	1100	1140	50	6.5	14.5	20	8.1	80	130	470	2.5	1.1	
APR 15...	1100	24000	15	6.1	21.0	600	7.1	80	270	K170	0.75	0.34	
JUL 16...	1100	329	80	7.2	29.5	7.9	7.0	92	630	200	3.4	1.3	
DATE		SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)
OCT 16...	8.0	1.2	15	12	2.2	13	0.10	13	53	49	<0.010	<0.010	
JAN 29...	6.0	1.1	11	9	3.7	9.2	<0.10	12	--	42	<0.010	<0.010	
APR 15...	1.7	1.3	4	4	1.7	1.9	0.10	5.1	--	16	--	<0.010	
JUL 16...	7.9	1.3	20	16	2.3	12	<0.10	15	40	53	0.010	<0.010	
DATE		NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	
OCT 16...	<0.100	<0.100	0.010	<0.010	0.30	--	0.020	<0.010	<0.010	<0.010	<0.010	30	
JAN 29...	0.100	0.100	0.020	0.020	<0.20	--	0.030	<0.010	<0.010	<0.010	<0.010	30	
APR 15...	0.058	0.057	0.290	0.080	1.1	--	0.200	0.020	0.190	0.010	100		
JUL 16...	<0.050	<0.050	0.030	0.020	0.40	0.30	0.020	<0.010	0.010	<0.010	<0.010	20	

HOMOCHITTO RIVER BASIN

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
OCT 16...	<1	20	<0.5	<1.0	2	<3	1	73	1	<4	64
JAN 29...	<1	36	<0.5	<1.0	30	<3	1	55	<1	<4	36
APR 15...	<1	13	0.6	<1.0	2	<3	1	140	3	<4	120
JUL 16...	1	29	<0.5	<1.0	<1	<3	2	260	<1	<4	58
DATE	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. # FINER THAN .062 MM (70331)
OCT 16...	<0.1	<10	1	<1	<1.0	35	<6	19	26	18	81
JAN 29...	<0.1	<10	1	<1	<1.0	28	<6	<3	19	58	21
APR 15...	<0.1	<10	3	<1	<1.0	8	<6	8	1050	68000	40
JUL 16...	<0.1	<10	<1	<1	<1.0	44	<6	5	13	12	26

07295000 BUFFALO RIVER NEAR WOODVILLE, MS

LOCATION.--Lat 31°13'35", long 91°17'45", in SW4 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 downstream from Fords Creek, 2.8 mi west of Wilkinson, and 8.5 mi north of Woodville.

DRAINAGE AREA.--180 mi², revised.

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 above National Geodetic Vertical Datum of 1929. Prior to June 1, 1942, nonrecording gage at same site. Prior to Oct. 1, 1964, at datum 3.00 ft higher.

REMARKS.--Estimated daily discharges: Mar. 19-24, July 2-10. Records fair. Satellite telemeter at station.

AVERAGE DISCHARGE.--49 years, 286 ft³/s, 21.58 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 65,000 ft³/s, Mar. 25, 1973, gage height, 22.3 ft from flood-mark, from rating curve extended above 35,000 ft³/s, minimum, 16 ft³/s, Aug. 14, 18, and 19, 1954, Sept. 28, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 11,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 21	1030	11,400	13.04	Apr. 29	1230	11,500	13.07
Apr. 14	2345	23,000	16.09	Sep. 25	0115	18,100	14.97
Apr. 18	1015	*23,000	*16.10				

Minimum daily discharge, 42 ft³/s, Oct. 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	43	74	101	323	649	122	572	132	98	54	133
2	43	43	73	1260	259	468	110	337	107	102	54	161
3	43	43	1350	2860	227	484	103	271	97	90	52	95
4	55	43	219	414	208	192	105	3410	90	84	52	93
5	79	47	113	237	1440	144	105	1830	87	80	52	92
6	46	51	96	319	688	130	168	1140	108	105	64	97
7	43	45	138	542	328	113	300	389	375	80	124	129
8	44	44	117	225	241	102	175	3150	122	80	363	173
9	44	116	88	176	203	97	133	2740	105	74	87	169
10	43	84	84	3900	178	95	114	1760	102	90	69	97
11	43	53	82	1800	159	94	1460	790	167	72	1460	92
12	44	48	79	479	146	94	2440	462	201	69	159	90
13	44	47	77	283	148	97	388	336	138	66	256	86
14	45	47	75	206	157	91	3360	266	124	64	118	82
15	45	47	74	292	126	93	4600	250	110	63	109	81
16	45	49	74	275	117	96	617	226	103	78	96	79
17	45	50	75	155	132	454	434	714	105	65	87	80
18	45	49	74	279	128	211	7620	3460	1190	75	88	81
19	43	50	73	1290	3150	159	1020	595	936	75	80	83
20	42	49	89	305	2310	150	461	336	212	65	69	81
21	52	49	167	188	4840	140	320	272	159	59	64	81
22	244	52	2110	147	2180	130	255	252	184	56	110	81
23	70	65	429	132	560	125	264	170	138	54	70	83
24	57	59	167	1730	319	120	191	249	144	79	63	1670
25	52	54	127	581	234	113	1310	436	120	62	58	4270
26	50	55	108	289	199	109	363	350	116	59	58	392
27	48	55	99	237	151	109	230	546	175	61	127	200
28	49	468	112	230	129	106	660	722	152	57	135	146
29	48	144	101	361	---	780	7440	709	147	57	73	125
30	45	82	140	2220	---	217	1600	376	94	57	168	110
31	43	---	160	556	---	140	---	195	---	56	444	---
TOTAL	1682	2131	6844	22069	19280	6102	36468	27311	6040	2232	4863	9232
MEAN	54.3	71.0	221	712	689	197	1216	881	201	72.0	157	308
MAX	244	468	2110	3900	4840	780	7620	3460	1190	105	1460	4270
MIN	42	43	73	101	117	91	103	170	87	54	52	79
CFSM	.30	.39	1.23	3.96	3.83	1.09	6.76	4.89	1.12	.40	.87	1.71
IN.	.35	.44	1.41	4.56	3.98	1.26	7.54	5.64	1.25	.46	1.01	1.91
CAL YR 1990	TOTAL	150442	MEAN 412	MAX 25200	MIN 34	CFSM 2.29	IN 31.09					
WTR YR 1991	TOTAL	144254	MEAN 395	MAX 7620	MIN 42	CFSM 2.19	IN 29.81					

07377000 AMITE RIVER NEAR DARLINGTON, LA

LOCATION.--Lat 30°53'20", long 90°50'40", in sec.72, T.2 S., R.4 E., St. Helena meridian, St. Helena Parish, Hydrologic Unit 08070202, near center of span on downstream side of bridge on State Highway 10, 1.5 mi upstream from Collins Creek, and 4.0 mi west of Darlington.

DRAINAGE AREA.--580 mi².

PERIOD OF RECORD.--March 1949 to September 1950 (annual maximum), October 1950 to current year.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is 145.81 ft above National Geodetic Vertical Datum of 1929. Jan. 13, 1951, to May 28, 1963, water-stage recorder at former channel 700 ft to the left; and July 30, 1963, to Feb. 12, 1964, nonrecording gage at present site. Prior to Oct. 1, 1963, at datum 2.99 ft higher.

AVERAGE DISCHARGE.--41 years, 957 ft³/s, 22.41 in/yr.

REMARKS.--Estimated daily discharges: Mar. 23-29, Apr. 2-3. Records good. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 104,000 ft³/s, Jan. 25, 1990, gage height, 22.05 ft; minimum, 188 ft³/s, Oct. 18, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 8,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 11	1130	8,930	12.14	May 1	0400	*19,500	*16.10
Jan. 30	1730	12,300	13.82	May 10	0900	9,330	12.36
Feb. 21	1200	14,300	14.56				

Minimum discharge, 256 ft³/s, Oct. 19-20; gage height, 2.90 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	286	272	383	593	4950	1120	685	16300	951	558	448	496
2	281	272	347	543	1920	3340	570	6050	752	766	437	470
3	282	270	3750	4340	1280	2740	470	2100	666	1120	434	482
4	307	274	2610	5380	1040	2150	436	2950	623	984	433	581
5	328	304	920	2640	2610	1750	423	6480	596	826	434	487
6	329	319	643	1240	6550	1520	417	4850	574	1250	678	465
7	305	302	593	1400	5740	1370	417	2480	605	1060	634	704
8	298	287	614	1180	2750	1250	440	2850	652	1670	535	709
9	290	343	561	886	1400	1150	439	7390	572	1070	490	754
10	275	441	516	2810	1080	1030	423	9020	536	710	474	635
11	270	371	494	8360	938	915	510	7880	844	614	546	515
12	273	315	481	5570	884	833	1500	4130	1440	566	489	464
13	275	297	472	2420	835	768	1690	1720	874	536	476	441
14	278	293	464	1310	795	711	1290	1200	740	515	454	428
15	275	286	457	1040	772	673	5260	990	687	502	444	416
16	267	285	450	1070	745	641	5750	891	660	492	441	409
17	266	282	449	996	721	669	3830	885	587	488	434	409
18	264	280	452	851	695	838	2430	2910	1140	480	428	406
19	260	280	459	1710	1260	848	3890	2630	1490	493	425	457
20	257	282	458	2690	11200	748	2100	1550	1410	517	421	502
21	281	280	457	1740	13700	654	1400	1070	911	515	433	444
22	404	280	493	1070	12400	610	1040	968	1080	479	441	416
23	452	289	998	861	8670	580	1270	862	762	482	420	419
24	329	296	945	1630	4360	550	863	810	753	525	415	468
25	293	292	654	4260	1970	510	1410	809	1310	476	404	1730
26	277	292	550	2980	1620	490	2140	831	775	462	410	3300
27	273	292	513	1560	1350	460	1300	1190	811	457	440	1490
28	274	517	512	1250	1150	430	1510	1150	1020	456	471	696
29	276	998	521	1500	---	520	5230	1240	716	498	461	569
30	275	583	553	10100	---	754	15500	1410	607	474	482	512
31	274	---	663	9360	---	804	---	1390	---	466	563	---
TOTAL	9074	10174	22432	83340	93385	31426	64633	96986	25144	20507	14495	20274
MEAN	293	339	724	2688	3335	1014	2154	3129	838	662	468	676
MAX	452	998	3750	10100	13700	3340	15500	16300	1490	1670	678	3300
MIN	257	270	347	543	695	430	417	809	536	456	404	406
CFSM	.50	.58	1.25	4.64	5.75	1.75	3.71	5.39	1.45	1.14	.81	1.17
IN.	.58	.65	1.44	5.35	5.99	2.02	4.15	6.22	1.61	1.32	.93	1.30

CAL YR 1990 TOTAL 555451 MEAN 1522 MAX 66400 MIN 257 CFSM 2.62 IN. 35.63
WTR YR 1991 TOTAL 491870 MEAN 1348 MAX 16300 MIN 257 CFSM 2.32 IN. 31.55

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 flood hydrograph partial-record stations are presented in the following tables. Annual maximum discharges for crest-stage partial-record stations, discharge measurements made at low-flow partial-record sites and at miscellaneous sites and for special studies are given in separate tables.

The data given in the following tables generally comprise a description of the station and a table showing time, gage height, and discharge at selected times for major peaks that occurred during the year.

The description of the station gives the location, drainage area, period of record, type and history of gages, extremes of discharge, and general remarks. The explanation of data presented is identical to that for gaging stations.

Flood hydrograph partial-record stations

MOBILE RIVER BASIN
02431410 MANTACHIE CREEK BELOW DORSEY, MS

LOCATION.--Lat 34°13'40", Long 88°27'08", in NW¼ sec 10, T.10 S., R.8 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, on county road one mile west of Tombigbee River, 2.5 miles south of U.S. Highway 78, and 4 miles southwest of Dorsey, MS.

DRAINAGE AREA.--66.94 mi².

PERIOD OF RECORD.--Nov. 22, 1988 to present.

GAGE.--Water-stage recorder. Datum of gage is 245.82 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--No estimated discharges. Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,500 ft³/s, May 27, 1991, gage-height, 17.96 ft; minimum not determined.

EXTREMES FOR CURRENT PERIOD.--Water year 1989: 6,790 ft³/s, Mar. 6, 1991, gage-height, 15.46 ft. Water year 1990: 7,030 ft³/s, Feb. 10, 1990, gage-height, 15.64 ft. Water year 1991: 10,500 ft³/s, May 27, 1991, gage-height, 17.96 ft.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1989 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
02-20	2030	7.52	761	03-04	2200	7.48	748	06-05	1200	5.33	247
02-20	2100	7.74	834	03-04	2230	7.70	820	06-05	1300	6.01	369
02-20	2130	8.44	1,090	03-04	2300	7.94	903	06-05	1400	6.47	470
02-20	2200	9.37	1,510	03-04	2330	8.13	973	06-05	1500	6.73	534
02-20	2230	10.40	2,080	03-04	2400	8.28	1,030	06-05	1600	6.85	565
02-20	2300	11.36	2,720	03-05	0030	8.53	1,130	06-05	1630	6.87	570
02-20	2330	12.26	3,420	03-05	0100	9.11	1,390	06-05	1700	6.86	568
02-20	2400	12.95	4,020	03-05	0130	9.95	1,820	06-05	1800	6.79	549
02-21	0100	13.95	5,020	03-05	0200	11.18	2,590	06-05	1900	6.70	526
02-21	0130	14.25	5,340	03-05	0230	12.66	3,760	06-05	2000	6.58	496
02-21	0200	14.45	5,570	03-05	0245	13.26	4,320	06-05	2100	6.45	465
02-21	0230	14.53	5,660	03-05	0300	13.77	4,830	06-05	2200	6.33	437
02-21	0300	14.62	5,760	03-05	0330	14.41	5,520	06-05	2230	6.42	458
02-21	0330	14.65	5,800	03-05	0400	14.79	5,960	06-05	2300	7.60	787
02-21	0345	14.67	5,820	03-05	0730	14.95	6,160	06-05	2330	9.42	1,540
02-21	0415	14.72	5,880	03-05	0500	15.07	6,300	06-05	2400	11.10	2,530
02-21	0500	14.70	5,860	03-05	0530	15.25	6,530	06-06	0030	12.39	3,530
02-21	0600	14.58	5,720	03-05	0600	15.28	6,560	06-06	0100	13.16	4,220
02-21	0700	14.37	5,480	03-05	0630	15.37	6,680	06-06	0130	13.59	4,640
02-21	0730	14.21	5,300	03-05	0700	15.44	6,770	06-06	0200	13.78	4,840
02-21	0800	14.06	5,140	03-05	0730	15.45	6,780	06-06	0230	13.85	4,910
02-21	0830	13.84	4,900	03-05	0745	15.46	6,790	06-06	0300	13.83	4,890
02-21	0900	13.64	4,690	03-05	0830	15.45	6,780	06-06	0330	13.69	4,750
02-21	1000	13.26	4,320	03-05	0900	15.41	6,730	06-06	0400	13.48	4,530
02-21	1100	12.82	3,900	03-05	0930	15.32	6,610	06-06	0430	13.22	4,280
02-21	1200	12.47	3,590	03-05	1000	15.18	6,440	06-06	0500	12.93	4,000
02-21	1300	12.05	3,240	03-05	1100	14.75	5,920	06-06	0530	12.61	3,720
02-21	1400	11.73	2,990	03-05	1200	14.13	5,210	06-06	0600	12.26	3,420
02-21	1500	11.29	2,670	03-05	1300	13.43	4,480	06-06	0700	11.63	2,920
02-21	1600	10.74	2,290	03-05	1400	12.70	3,800	06-06	0800	11.00	2,470
02-21	1700	10.12	1,910	03-05	1500	11.95	3,160	06-06	0900	10.45	2,110
02-21	1800	9.63	1,640	03-05	1600	11.34	2,700	06-06	1000	9.91	1,800
02-21	1900	9.37	1,510	03-05	1700	10.87	2,380	06-06	1100	9.42	1,540
02-21	2000	9.17	1,410	03-05	1800	10.49	2,140	06-06	1200	9.01	1,340
02-21	2100	9.03	1,350	03-05	1900	10.13	1,920	06-06	1300	8.64	1,180
02-21	2200	8.96	1,320	03-05	2000	9.75	1,710	06-06	1400	8.36	1,060
02-21	2300	8.91	1,290	03-05	2100	9.45	1,550	06-06	1500	8.10	962
02-21	2400	8.88	1,280	03-05	2200	9.18	1,420	06-06	1600	7.85	872
02-22	0200	8.88	1,280	03-05	2300	8.98	1,330	06-06	1700	7.62	794
02-22	0400	8.89	1,290	03-05	2400	8.82	1,250	06-06	1800	7.42	729
02-22	0600	8.90	1,290	03-06	0300	8.41	1,080	06-06	1900	7.24	675
02-22	0800	8.89	1,290	03-06	0600	8.02	932	06-06	2000	7.09	631
				03-06	0800	7.79	851	06-06	2200	6.84	562
				03-06	1000	7.62	794	06-06	2400	6.63	508

Flood Hydrograph partial-record stations

MOBILE RIVER BASIN

02431410 MANTACHIE CREEK BELOW DORSEY, MS--Continued

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1990 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
01-20	0600	3.99	89	02-03	1400	7.53	764	02-09	1200	5.58	288
01-20	0700	5.20	227	02-03	1430	7.78	847	02-09	1400	5.79	326
01-20	0800	8.28	1,030	02-03	1500	8.21	1,000	02-09	1600	6.03	373
01-20	0900	10.74	2,290	02-03	1600	9.10	1,380	02-09	1700	6.36	444
01-20	1000	12.02	3,220	02-03	1630	9.55	1,600	02-09	1800	6.83	560
01-20	1100	12.47	3,590	02-03	1700	10.02	1,860	02-09	1900	7.81	858
01-20	1200	12.57	3,680	02-03	1730	10.76	2,310	02-09	2000	9.02	1,340
01-20	1300	12.48	3,600	02-03	1800	11.74	3,000	02-09	2100	9.91	1,800
01-20	1400	12.34	3,480	02-03	1830	12.64	3,740	02-09	2130	10.31	2,030
01-20	1500	12.19	3,360	02-03	1900	13.34	4,390	02-09	2200	10.82	2,350
01-20	1600	12.02	3,220	02-03	1930	13.87	4,930	02-09	2230	11.53	2,840
01-20	1700	11.83	3,070	02-03	2000	14.23	5,340	02-09	2300	12.35	3,490
01-20	1800	11.58	2,880	02-03	2030	14.49	5,610	02-09	2330	13.07	4,140
01-20	1900	11.33	2,700	02-03	2100	14.63	5,780	02-09	2400	13.63	4,680
01-20	2000	11.08	2,520	02-03	2130	14.87	5,950	02-10	0100	14.35	5,460
01-20	2100	10.77	2,310	02-03	2200	14.85	6,040	02-10	0200	14.84	6,020
01-20	2200	10.44	2,100	02-03	2230	14.90	6,100	02-10	0300	15.08	6,310
01-20	2300	10.03	1,860	02-03	2300	14.91	6,110	02-10	0400	15.30	6,590
01-20	2400	9.65	1,660	02-03	2315	14.94	6,140	02-10	0500	15.45	6,780
01-21	0100	9.28	1,470	02-03	2330	14.92	6,120	02-10	0600	15.50	6,850
01-21	0200	8.98	1,330	02-03	2400	14.92	6,120	02-10	0700	15.60	6,980
01-21	0300	8.73	1,220	02-04	0030	14.87	6,060	02-10	0800	15.62	7,000
01-21	0400	8.52	1,130	02-04	0100	14.83	6,010	02-10	0815	15.64	7,030
01-21	0500	8.35	1,060	02-04	0130	14.74	5,900	02-10	0830	15.62	7,000
01-21	0600	8.17	988	02-04	0200	14.60	5,740	02-10	0900	15.60	6,980
01-21	0700	8.01	929	02-04	0230	14.45	5,570	02-10	1000	15.53	6,890
01-21	0800	7.84	868	02-04	0300	14.31	5,410	02-10	1100	15.44	6,770
01-21	0900	7.68	813	02-04	0330	14.11	5,190	02-10	1200	15.27	6,550
01-21	1000	7.53	764	02-04	0400	13.94	5,010	02-10	1300	14.97	6,180
01-21	1100	7.40	723	02-04	0430	13.73	4,790	02-10	1400	14.55	5,680
01-21	1200	7.28	686	02-04	0500	13.55	4,600	02-10	1500	13.96	5,030
01-21	1300	7.18	657	02-04	0600	13.13	4,190	02-10	1600	13.21	4,270
01-21	1400	7.10	634	02-04	0700	12.76	3,850	02-10	1700	12.32	3,470
01-21	1500	7.03	614	02-04	0800	12.42	3,550	02-10	1800	11.39	2,740
01-21	1600	6.96	595	02-04	0900	12.04	3,240	02-10	1900	10.52	2,150
01-21	1700	6.91	581	02-04	1000	11.63	2,920	02-10	2000	9.90	1,790
01-21	1800	6.87	570	02-04	1100	11.12	2,550	02-10	2200	9.47	1,560
01-21	2000	6.81	554	02-04	1300	10.55	2,170	02-10	2400	9.29	1,470
01-21	2200	6.77	544	02-04	1500	10.38	2,070				
01-21	2400	6.75	539								

Flood hydrograph partial-record stations

MOBILE RIVER BASIN

02431410 MANTACHIE CREEK BELOW DORSEY, MS--Continued

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1991 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
12-20	1300	4.61	150	12-22	1700	14.39	5,500	02-20	1200	14.82	6,000
12-20	1400	6.79	549	12-22	1900	13.67	4,720	02-20	1800	14.00	5,070
12-20	1500	9.83	1,750	12-22	2100	12.99	4,060	02-20	2100	13.44	4,490
12-20	1600	12.53	3,650	12-22	2300	12.87	3,870	02-20	2400	12.82	3,900
12-20	1700	13.84	4,900	12-22	2400	13.04	4,110	02-21	0400	11.92	3,140
12-20	1800	14.56	5,690	12-23	0100	13.22	4,280	02-21	0800	11.00	2,470
12-20	1900	14.95	6,160	12-23	0130	13.28	4,340	02-21	1300	9.93	1,810
12-20	2000	15.37	6,680	12-23	0200	13.27	4,330	02-21	1800	9.05	1,360
12-20	2100	15.68	7,080	12-23	0500	12.84	3,920	02-21	2400	8.23	1,010
12-20	2200	15.86	7,320	12-23	0700	12.40	3,530	02-22	0200	8.01	929
12-20	2300	16.03	7,560	12-23	1000	11.87	3,100	02-22	0700	7.60	787
12-20	2400	16.16	7,740	12-23	1400	11.19	2,600				
12-21	0100	16.24	7,850	12-23	1900	10.53	2,160	05-25	2300	7.40	723
12-21	0200	16.32	7,960	12-23	2400	9.80	1,740	05-25	2400	9.13	1,400
12-21	0300	16.36	8,020	12-24	0400	9.27	1,460	05-26	0100	10.67	2,250
12-21	0400	16.39	8,060	12-24	0800	8.81	1,250	05-26	0200	11.65	2,930
12-21	0500	16.35	8,010	12-24	1200	8.41	1,080	05-26	0300	12.30	3,450
12-21	0600	16.28	7,910	12-24	1600	8.06	947	05-26	0400	12.89	3,970
12-21	0700	16.13	7,690	12-24	2400	7.52	761	05-26	0500	13.64	4,690
12-21	0800	15.75	7,180					05-26	0600	14.32	5,420
12-21	0900	15.26	6,540	02-18	0600	3.99	89	05-26	0800	15.05	6,280
12-21	1000	14.53	5,660	02-18	0700	4.85	179	05-26	1200	15.67	7,070
12-21	1100	13.68	4,740	02-18	0800	6.71	528	05-26	1700	16.03	7,560
12-21	1200	12.64	3,740	02-18	0900	8.97	1,320	05-26	2300	16.54	8,280
12-21	1300	11.54	2,850	02-18	1000	10.36	2,060	05-27	1300	17.11	9,140
12-21	1400	10.60	2,200	02-18	1100	11.19	2,600	05-27	1500	17.54	9,830
12-21	1500	9.86	1,770	02-18	1200	11.56	2,860	05-27	1700	17.87	10,400
12-21	1600	9.36	1,510	02-18	1400	11.68	2,950	05-27	1800	17.91	10,400
12-21	1700	9.01	1,340	02-18	1500	11.97	3,180	05-27	2000	17.94	10,500
12-21	1800	8.73	1,220	02-18	1600	12.93	4,000	05-27	2100	17.96	10,500
12-21	1900	8.49	1,110	02-18	1700	14.13	5,210	05-27	2300	17.90	10,400
12-21	2000	8.37	1,070	02-18	1800	14.93	6,130	05-28	0200	17.56	9,860
12-21	2100	9.43	1,540	02-18	1900	15.31	6,600	05-28	0500	16.97	8,930
12-21	2200	12.24	3,400	02-18	2100	15.70	7,110	05-28	0700	16.49	8,210
12-21	2300	14.20	5,290	02-18	2300	16.02	7,540	05-28	0900	15.97	7,470
12-21	2400	14.98	6,190	02-19	0200	16.24	7,850	05-28	1200	15.12	6,360
12-22	0100	15.38	6,690	02-19	0400	16.21	7,810	05-28	1600	13.92	4,990
12-22	0200	15.60	6,980	02-19	0700	16.24	7,850	05-28	1900	13.02	4,090
12-22	0300	15.71	7,120	02-19	1100	16.48	8,190	05-28	2200	12.12	3,300
12-22	0500	15.90	7,380	02-19	1530	16.59	8,360	05-29	0200	10.96	2,440
12-22	0645	15.99	7,500	02-19	2000	16.50	8,220	05-29	0600	9.97	1,830
12-22	0900	15.91	7,390	02-19	2400	16.40	8,080	05-29	1100	8.94	1,310
12-22	1300	15.31	6,600	02-20	0600	15.17	6,430	05-29	2400	7.33	702

Flood hydrograph partial-record stations

MOBILE RIVER BASIN

02433000 BULL MOUNTAIN CREEK NEAR SMITHVILLE, MS

LOCATION.--Lat 34°05'18", long 88°23'26", in SW4SE4 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 upstream from bridge on State Highway 25, 0.5 mi upstream from Mississippian Railway bridge, 1.1 mi north of Smithville, and 0.75 mi upstream from the Tennessee-Tombigbee Waterway.

DRAINAGE AREA.--336 mi².

PERIOD OF RECORD.--October 1940 to September 1984, October 1984 to September 1987 (high water records only).
October 1987 to November 1990 (flood hydrograph only). December 1990 to September 1991 (annual peaks only) (discontinued).

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

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

REMARKS.--Discharges below 5,000 ft³/s not determined.

AVERAGE DISCHARGE.--44 years (water years 1941-84), 574 ft³/s, 23.21 in/yr.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 21,700 ft³/s, May 27, gage-height 15.18 ft.

REVISIONS.--The maximum discharges for some water years have been revised, as shown in the following table. They supersede figures published in the reports for 1986-1990.

Water year	Date	Discharge (ft ³ /s)	Gage height (ft)
1986	May 10, 1986	unknown	10.07
1987	Mar. 1, 1987	unknown	10.20
1988	Mar. 3, 1988	unknown	9.99
1989	Jan. 14, 1989	unknown	10.24
1990	Oct. 11, 1990	unknown	10.19

Flood hydrograph partial-record stations

MOBILE RIVER BASIN

02437000 TOMBIGBEE RIVER NEAR AMORY, MS

LOCATION.--Lat 33°59'07", long 88°33'03", in NW4NE4 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 downstream from Town Creek, 3.5 mi west of Amory, and at mile 378.9.

DRAINAGE AREA.--1,928 mi², prior to construction of Tennessee-Tombigbee Waterway.

PERIOD OF RECORD.--October 1937 to September 1985. October 1985 to September 1987 (high-water records only). 1988-Current year (flood hydrograph only). Monthly discharge only for October and November 1937, published in WSP 1304. Daily discharge greater than 1000 ft³/s published October 1985 to September 1987. Daily mean gage heights published October 1971 to September 1986.

REVISED RECORDS.--WSP 1504: 1948. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 178.34 ft above National Geodetic Vertical Datum of 1929 (levels by U. S. Army Corps of Engineers). Prior to Oct. 10, 1939, nonrecording gage at site 1,500 ft 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 downstream, was used as an auxiliary gage for this station 1950-58.

REMARKS.--Estimated discharges: Jan. 10-28. Records fair, except for period of estimated gage heights, which are poor. Some regulation by Tennessee-Tombigbee Waterway. National Weather Service telemeter at station.

AVERAGE DISCHARGE.--47 years, (water year 1937-84) 3,156 ft³/s, 22.22 in/yr, prior to construction of Tennessee-Tombigbee Waterway.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 162,000 ft³/s, Mar. 17, 1973, gage height, 34.65 ft, minimum, 45 ft³/s, Sept. 20, 1954, minimum gage height, 0.77 ft, Sept. 1, 1943.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1892 reached a stage of 33.5 ft and the flood of December 1926 reached a stage of 31.5 ft, from U. S. Army Corps of Engineers profiles.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 23	1245	106,000	32.29	Apr. 30	0630	49,600	28.78
Feb. 20	1900	106,000	32.29	May 6	0715	23,800	22.86
Feb. 23	1030	36,400	26.61	May 9	1115	24,200	23.00
Mar. 2	0430	20,400	21.64	May 11	0745	25,800	23.51
Mar. 30	0200	32,300	25.50	May 14	1645	42,900	28.04
Apr. 15	1330	38,800	27.19	May 28	0615	*141,000	*33.83
Apr. 19	0645	24,200	22.97				

Minimum daily discharge, not determined.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1991 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
12-20	1200	12.70	3,230	02-17	2200	11.95	2,700	05-25	1200	12.24	2,740
12-20	2400	21.68	20,500	02-18	1200	17.83	11,300	05-25	2400	15.60	7,210
12-21	1200	26.83	37,300	02-18	2400	24.41	28,600	05-26	1200	22.54	22,900
12-21	2400	27.49	40,200	02-19	1200	28.98	51,700	05-26	2400	27.87	42,000
12-22	1200	30.24	67,900	02-19	2400	31.09	82,000	05-27	1200	32.36	108,000
12-22	2400	32.15	103,000	02-20	1200	32.14	103,000	05-27	2400	33.70	137,000
12-23	1200	32.28	106,000	02-20	2400	32.02	100,000	05-28	1200	33.64	136,000
12-23	2400	31.23	84,600	02-21	1200	30.45	71,000	05-28	2400	32.23	105,000
12-24	1200	28.94	51,300	02-21	2400	28.30	45,000	05-29	1200	29.96	63,900
12-24	2400	26.64	36,500	02-22	1200	26.34	35,300	05-29	2400	27.40	39,800
12-25	1200	24.44	28,700	02-22	2400	25.50	32,300	05-30	1200	24.71	29,600
12-25	2400	22.09	21,600	02-23	1200	26.53	36,100	05-30	2400	22.10	21,700
12-26	1200	19.84	15,800	02-23	2400	25.05	30,700	05-31	1200	20.00	16,200
12-26	2400	18.14	12,000	02-24	1200	22.61	23,100	05-31	2400	18.63	13,000
12-27	1200	16.83	9,360	02-24	2400	21.12	19,000	06-01	1200	16.80	9,310
				02-25	1200	20.39	17,100	06-01	2400	16.28	8,370
				02-25	2400	19.27	14,400	06-02	1200	15.40	6,890
				02-26	1200	18.16	12,000	06-02	2400	15.04	6,320
				02-26	2400	17.03	9,740	06-03	1200	14.28	5,210
				02-27	1200	16.05	7,970				
				02-27	2400	15.58	7,180				
				02-28	1200	15.00	6,260				
				02-28	2400	14.25	5,170				

Flood hydrograph partial-record stations

MOBILE RIVER BASIN

02441000 TIBBEE CREEK NEAR TIBBEE, MS

LOCATION.--Lat 33°32'17", long 88°38'00", in SW4 sec.4, T.19 N., R.16 E., Choctaw Meridian, Clay County, Hydrologic Unit 03160104, on right bank 10 ft downstream from bridge on old State Highway 25, 560 ft upstream from Illinois Central and Gulf Railroad bridge, 0.7 mi north of Tibbee, 4.5 mi upstream from Magee Creek, 5.0 mi south of West Point, 9.8 mi upstream from Catalpa Creek, and 17.7 mi upstream from mouth.

DRAINAGE AREA.--926 mi².

PERIOD OF RECORD.--August 1928 to September 1930, October 1939 to January 1981, February 1981 to September 1987 (high-water records only). October 1987 to current year (flood hydrograph only). Monthly discharge only for September 1930 and October 1939, published in WSP 1034. Daily discharge greater than 500 ft³/s published February 1981 to September 1987. Prior to October 1950, published as Tibbee River near Tibbee.

REVISED RECORDS.--WSP 1504: 1929-30. WDR MS-80-1: Drainage area.

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

REMARKS.--No estimated discharges. Records fair. U.S. Army Corps of Engineers radio telemeter at station.

AVERAGE DISCHARGE.--43 years (water years 1929-30, 1940-80), 1,343 ft³/s, 19.70 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 81,600 ft³/s, Mar. 17, 1973, gage height, 32.26 ft, no flow at times many years.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 23	2315	57,800	30.24	Apr. 16	1115	28,300	26.70
Feb. 20	1415	52,000	29.66	Apr. 30	1415	51,200	29.58
Mar. 04	0900	10,400	22.93	May 13	1915	15,400	24.27
Mar. 31	0630	20,900	25.43	May 27	1830	* 68,000	* 31.16

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1991 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
12-21	0700	9.56	742	02-22	2400	23.93	14,000	05-03	2400	20.44	6,820
12-21	2400	11.76	1,680	02-23	1200	23.36	11,800	05-04	1200	18.34	5,220
12-22	1200	13.71	2,520	02-23	2400	23.17	11,200	05-04	2400	16.52	4,030
12-22	2400	19.98	6,450	02-24	1200	23.00	10,600	05-05	1030	15.40	3,380
12-23	1200	28.38	40,500	02-24	2400	22.77	10,000				
12-23	2315	30.24	57,800	02-25	1200	22.45	9,270	05-25	1415	9.51	714
12-24	1200	29.36	49,100	02-25	2400	21.73	7,970	05-25	2400	15.72	3,560
12-24	2400	27.82	36,100	02-26	1200	20.38	6,770	05-26	1200	20.07	6,520
12-25	1200	26.31	25,800	02-26	2400	18.41	5,270	05-26	2400	26.05	24,300
12-25	2400	24.91	18,300	02-27	1200	16.18	3,830	05-27	1200	30.33	58,800
12-26	1200	23.64	12,800	02-27	2400	14.12	2,720	05-27	1830	31.16	68,000
12-26	2400	22.42	9,200	02-28	1200	12.58	2,010	05-27	2400	30.87	64,700
12-27	1200	20.52	6,880	02-28	2400	11.64	1,640	05-28	1200	29.24	48,000
12-27	2400	18.28	5,180	03-01	1000	11.20	1,480	05-28	2400	27.90	36,700
12-28	1200	16.34	3,920					05-29	1200	26.32	25,900
12-28	2400	14.92	3,130	04-27	1600	9.68	806	05-29	2400	24.79	17,700
12-29	1430	14.50	2,910	04-27	2400	11.34	1,530	05-30	1200	23.54	12,500
				04-28	1200	15.90	3,660	05-30	2400	22.36	9,070
02-18	0900	9.58	753	04-28	2400	20.61	6,960	05-31	1200	20.67	7,010
02-18	1200	11.03	1,420	04-29	1200	25.21	19,700	05-31	2400	18.49	5,330
02-18	2400	17.84	4,880	04-29	2400	28.52	41,700	06-01	1200	16.11	3,790
02-19	1200	22.49	9,360	04-30	1415	29.58	51,200	06-01	2400	13.98	2,650
02-19	2400	27.38	32,900	04-30	2400	29.01	45,900	06-02	1200	12.32	1,900
02-20	1415	29.66	52,000	05-01	1200	27.69	35,100	06-02	2400	11.50	1,590
02-20	2400	29.12	46,900	05-01	2400	26.23	25,300	06-03	1200	11.01	1,410
02-21	1200	27.64	34,700	05-02	1200	24.81	17,800	06-03	2200	10.77	1,310
02-21	2400	26.12	24,700	05-02	2400	23.58	12,600				
02-22	1200	24.76	17,600	05-03	1200	22.28	8,890				

Flood hydrograph partial-record stations

PEARL RIVER BASIN

02485800 EUBANKS CREEK AT JACKSON, MS

LOCATION.--Lat 32°21'00", long 90°09'50", in NW4NE4 sec.26, T.6 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, near left bank at downstream side of Wood Dale Drive bridge in Jackson, 1,600 ft upstream from Interstate 55 and 1.3 mi upstream from the mouth.

DRAINAGE AREA.--3.91 mi².

PERIOD OF RECORD.--August 1953 to current year (annual peaks only prior 1988 water year).

GAGE.--Water-stage recorder. Datum of gage is 262.02 ft above National Geodetic Vertical Datum of 1929, supplementary adjustment of 1941. A continuous recorder was previously located 1,600 ft downstream from the present site at datum 0.74 ft lower than the present and was in operation from July 1954 to August 1959. A crest-stage gage was also in operation from November 1953 through February 1959, located 1,700 ft downstream from the present site.

REMARKS.--Records are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,200 ft³/s, Apr. 29, 1953, gage height, 12.20 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,550 ft³/s, Apr. 28, gage height 9.86 ft.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1991 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
12-22	0615	4.14	25	03-01	1130	7.40	738	04-12	1845	8.29	1,020
12-22	0630	7.50	769	03-01	1145	7.04	630	04-12	1900	7.98	923
12-22	0645	8.40	1,060	03-01	1200	6.60	505	04-12	1915	7.71	835
12-22	0700	9.30	1,360	03-01	1215	6.15	387	04-12	1930	7.34	720
12-22	0715	9.68	1,490	03-01	1230	5.76	293	04-12	1945	6.94	601
12-22	0730	9.37	1,380	03-01	1245	5.41	216	04-12	2000	6.56	494
12-22	0745	8.83	1,200	03-01	1300	5.14	162	04-12	2015	6.28	420
12-22	0800	8.09	958	03-01	1315	4.92	122	04-12	2030	6.04	360
12-22	0815	7.39	735	03-01	1330	4.73	92	04-12	2045	5.85	314
12-22	0830	6.78	555					04-12	2100	5.65	268
12-22	0845	6.67	524	03-29	0130	7.45	753	04-12	2115	5.48	231
12-22	0900	6.94	601	03-29	0145	8.92	1,230	04-12	2130	5.35	204
12-22	0915	6.67	524	03-29	0200	9.09	1,280	04-12	2145	5.25	183
12-22	0930	6.12	379	03-29	0215	9.02	1,260	04-12	2200	5.10	154
12-22	0945	5.70	279	03-29	0230	9.32	1,360	04-12	2300	4.55	67
12-22	1000	5.41	216	03-29	0245	9.53	1,430	04-12	2400	4.14	25
12-22	1015	5.15	164	03-29	0300	9.64	1,470				
12-22	1030	4.91	120	03-29	0315	9.43	1,400	04-28	0930	5.28	189
12-22	1045	4.72	90	03-29	0330	9.14	1,300	04-28	0945	8.35	1,040
12-22	1100	4.55	67	03-29	0345	8.84	1,200	04-28	1000	9.60	1,460
12-22	1200	4.05	19	03-29	0400	8.64	1,130	04-28	1015	9.86	1,550
				03-29	0415	8.38	1,050	04-28	1030	9.32	1,360
02-19	0900	4.30	39	03-29	0430	8.04	942	04-28	1045	8.91	1,220
02-19	0915	5.16	259	03-29	0445	7.67	823	04-28	1100	8.51	1,090
02-19	0930	7.39	735	03-29	0500	7.39	735	04-28	1115	8.09	958
02-19	0945	8.23	1,000	03-29	0515	7.24	689	04-28	1130	7.67	823
02-19	1000	8.04	942	03-29	0530	7.09	644	04-28	1145	7.20	677
02-19	1015	7.75	848	03-29	0545	6.90	589	04-28	1200	6.99	615
02-19	1030	7.41	741	03-29	0600	6.65	519	04-28	1215	8.13	971
02-19	1045	7.04	630	03-29	0615	6.40	451	04-28	1230	8.68	1,150
02-19	1100	6.70	533	03-29	0630	6.10	374	04-28	1245	8.65	1,140
02-19	1115	6.42	457	03-29	0645	5.81	305	04-28	1300	8.51	1,090
02-19	1130	6.14	384	03-29	0700	5.51	237	04-28	1315	8.27	1,010
02-19	1145	5.89	323	03-29	0715	5.39	212	04-28	1330	8.03	939
02-19	1200	5.69	277	03-29	0730	5.27	187	04-28	1345	7.64	813
02-19	1215	5.61	259	03-29	0745	5.06	147	04-28	1400	7.19	674
02-19	1300	5.58	253	03-29	0800	4.88	115	04-28	1415	6.68	527
				03-29	0815	4.73	92	04-28	1430	6.17	392
03-01	1015	4.53	65	03-29	0915	4.31	40	04-28	1445	5.74	288
03-01	1030	6.88	583					04-28	1500	5.39	212
03-01	1045	8.42	1,060	04-12	1745	4.27	36	04-28	1530	4.86	112
03-01	1100	8.17	983	04-12	1800	8.12	967	04-28	1600	4.57	70
03-01	1115	7.74	845	04-12	1815	8.94	1,230	04-28	1700	4.50	61
				04-12	1830	8.65	1,140	04-28	1800	4.36	45

Flood hydrograph partial-record stations

PEARL RIVER BASIN

02485950 TOWN CREEK AT JACKSON, MS

LOCATION.--Lat 32°18'14", long 90°11'32", in NW4SW4 sec.3, T.5 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, at bridge on Gallatin street in Jackson, 300 ft upstream of Illinois Central Railroad and 2.5 mi upstream from mouth.

DRAINAGE AREA.--11.4 mi².

PERIOD OF RECORD.--August 1954 to current year (Annual peaks only prior to 1989 water year).

GAGE.--Water-stage recorder. Datum of gage is 260.72 ft above National Geodetic Vertical Datum of 1929. Prior to Mar. 2, 1988, at datum 2.00 ft higher.

REMARKS.--Records are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,480 ft³/s, Apr. 14, 1983, maximum gage height, 13.00 ft present datum, Apr. 4, 1977.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of 1921, maximum discharge, 6,000 ft³/s, gage height, 19.00 ft (but may have been at different datum).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,180 ft³/s, Mar. 29, gage height, 10.33 ft.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1991 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
12-22	0630	4.67	806	03-29	0445	8.71	2,400	04-14	0100	6.77	1,570
12-22	0645	5.95	1,250	03-29	0500	8.64	2,370	04-14	0115	6.58	1,490
12-22	0700	6.86	1,600	03-29	0515	8.25	2,190	04-14	0130	6.79	1,580
12-22	0715	7.71	1,960	03-29	0530	7.76	1,980	04-14	0145	7.30	1,780
12-22	0730	8.18	2,160	03-29	0545	7.44	1,840	04-14	0200	8.21	2,170
12-22	0745	7.90	2,040	03-29	0600	7.09	1,700	04-14	0215	9.06	2,560
12-22	0800	7.53	1,880	03-29	0615	6.87	1,610	04-14	0230	9.04	2,550
12-22	0815	7.32	1,790	03-29	0630	6.60	1,500	04-14	0245	8.83	2,460
12-22	0830	7.10	1,700	03-29	0645	6.19	1,340	04-14	0300	8.60	2,350
12-22	0845	7.30	1,780	03-29	0700	5.96	1,250	04-14	0315	8.23	2,180
12-22	0900	7.37	1,810	03-29	0715	5.80	1,200	04-14	0330	8.01	2,090
12-22	0915	6.99	1,660	03-29	0730	5.39	1,050	04-14	0345	7.67	1,940
12-22	0930	6.47	1,450	03-29	0745	5.15	965	04-14	0400	7.22	1,750
12-22	0945	6.08	1,300	03-29	0800	4.91	884	04-14	0415	6.85	1,600
12-22	1000	5.63	1,130	03-29	0815	4.74	828	04-14	0430	6.43	1,430
12-22	1015	5.28	1,010	03-29	0830	4.66	802	04-14	0445	5.85	1,210
12-22	1030	4.86	868	03-29	0845	4.52	758	04-14	0500	5.56	1,110
12-22	1045	4.48	745	03-29	0900	4.34	701	04-14	0530	5.08	941
12-22	1100	4.26	677	03-29	1000	3.69	510	04-14	0600	4.67	806
								04-14	0700	4.12	635
								04-14	0800	3.49	455
03-28	1800	4.62	790	04-12	1730	2.95	320				
03-28	1815	5.73	1,170	04-12	1745	6.07	1,300				
03-28	1830	5.93	1,240	04-12	1800	7.40	1,830	04-14	1915	3.40	431
03-28	1845	5.74	1,170	04-12	1815	7.71	1,960	04-14	1930	4.09	626
03-28	1900	5.75	1,180	04-12	1830	7.73	1,970	04-14	1945	4.67	806
03-28	1915	5.98	1,260	04-12	1845	7.50	1,870	04-14	2000	5.34	1,030
03-28	1930	6.06	1,290	04-12	1900	7.34	1,800	04-14	2015	5.97	1,260
03-28	1945	5.80	1,200	04-12	1915	7.22	1,750	04-14	2030	6.45	1,440
03-28	2000	5.54	1,100	04-12	1930	7.22	1,750	04-14	2045	6.69	1,540
03-28	2015	5.11	952	04-12	1945	7.01	1,660	04-14	2100	6.89	1,620
03-28	2030	4.76	835	04-12	2000	6.77	1,570	04-14	2115	6.80	1,580
03-28	2045	4.54	764	04-12	2015	6.26	1,370	04-14	2130	6.85	1,600
03-28	2100	4.34	701	04-12	2030	6.05	1,290	04-14	2200	6.50	1,460
03-28	2115	4.05	614	04-12	2045	5.76	1,180	04-14	2230	5.93	1,240
03-28	2130	3.87	561	04-12	2100	5.66	1,140	04-14	2300	5.33	1,030
				04-12	2115	5.29	1,010	04-14	2330	4.94	894
03-29	0100	3.27	398	04-12	2130	4.87	871	04-14	2400	4.74	828
03-29	0115	6.05	1,290	04-12	2145	4.72	822				
03-29	0130	7.51	1,870	04-12	2200	4.65	799	07-05	1700	4.38	714
03-29	0145	8.36	2,240	04-12	2230	4.13	638	07-05	1715	7.10	1,700
03-29	0200	8.81	2,450	04-12	2300	3.86	558	07-05	1730	7.95	2,060
03-29	0215	9.51	2,780	04-12	2330	3.58	480	07-05	1745	8.05	2,100
03-29	0230	10.15	3,090	04-12	2400	3.19	377	07-05	1800	7.35	1,800
03-29	0245	10.33	3,180					07-05	1815	6.56	1,480
03-29	0300	10.19	3,110	04-13	2300	3.81	544	07-05	1830	5.62	1,130
03-29	0315	10.01	2,020	04-13	2315	5.11	952	07-05	1845	4.82	855
03-29	0330	9.95	2,990	04-13	2330	5.87	1,220	07-05	1900	4.34	701
03-29	0345	9.80	2,920	04-13	2345	6.07	1,300	07-05	1930	3.75	527
03-29	0400	9.60	2,820	04-13	2400	6.27	1,370	07-05	2000	3.47	450
03-29	0415	9.33	3,690	04-14	0015	6.61	1,500	07-05	2030	3.23	387
03-29	0430	9.14	2,600	04-14	0030	6.85	1,600				
				04-14	0045	6.80	1,580				

Flood hydrograph partial-record stations

PEARL RIVER BASIN

02486100 LYNCH CREEK AT JACKSON, MS

LOCATION.--Lat 32°17'04", long 90°12'52", in SW4SE4 sec.8, T.5 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, near left bank at the downstream side of Valley Street bridge in Jackson, 2,000 ft downstream of Highway 80, and 2.0 mi upstream from the mouth.

DRAINAGE AREA.--12.0 mi² (11.1 mi² at U.S. Highway 80, furnished by City of Jackson plus 0.9 mi² intervening area estimated from City of Jackson 2-ft contour map).

PERIOD OF RECORD.--August 1954 to current year (annual peaks only prior to 1988 water year).

GAGE.--Water-stage recorder. Datum of gage is 261.68 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated discharges. Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,600 ft³/s, June 16, 17, 1958, gage height, 18.05 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 29, 1953, maximum discharge, 7,500 ft³/s, gage height, 18.9 ft (from floodmark). Flood prior to 1939 reached a stage of 19.2 ft (from Mississippi Highway Department).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,300 ft³/s, Mar. 29, gage height, 16.31 ft.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1991 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
02-19	0915	3.71	262	03-28	2315	6.51	770	04-13	2230	9.53	1,550
02-19	0930	7.87	1,090	03-28	2330	6.09	680	04-13	2245	10.95	1,990
02-19	0945	10.13	1,730	03-28	2400	5.47	555	04-13	2300	11.62	2,220
02-19	1000	11.23	2,090	03-29	0030	5.03	473	04-13	2315	11.97	2,340
02-19	1015	11.76	2,270	03-29	0045	6.72	817	04-13	2330	12.22	2,430
02-19	1030	11.97	2,340	03-29	0100	10.41	1,820	04-13	2345	12.38	2,490
02-19	1045	11.98	2,350	03-29	0115	12.36	2,480	04-13	2400	12.45	2,510
02-19	1100	11.93	2,330	03-29	0130	13.87	3,050	04-14	0015	12.50	2,530
02-19	1130	11.74	2,260	03-29	0145	14.95	3,530	04-14	0030	12.56	2,550
02-19	1200	11.35	2,130	03-29	0200	15.43	3,780	04-14	0045	12.99	2,710
02-19	1230	10.81	1,950	03-29	0215	15.96	4,080	04-14	0100	13.55	2,920
02-19	1300	10.31	1,790	03-29	0230	16.20	4,230	04-14	0115	14.02	3,110
02-19	1330	10.74	1,930	03-29	0245	16.27	4,270	04-14	0130	14.21	3,190
02-19	1400	10.95	1,990	03-29	0300	16.31	4,300	04-14	0145	14.16	3,170
02-19	1430	10.85	1,960	03-29	0315	16.27	4,270	04-14	0200	13.86	3,040
02-19	1500	10.97	2,000	03-29	0330	16.09	4,160	04-14	0215	13.41	2,870
02-19	1530	11.45	2,160	03-29	0345	15.96	4,080	04-14	0230	12.88	2,670
02-19	1600	11.28	2,100	03-29	0400	15.79	3,980	04-14	0245	12.31	2,460
02-19	1630	10.57	1,870	03-29	0430	15.42	3,780	04-14	0300	11.74	2,260
02-19	1700	9.88	1,660	03-29	0500	14.92	3,510	04-14	0315	11.22	2,080
02-19	1730	9.66	1,590	03-29	0530	14.27	3,220	04-14	0330	10.74	1,930
02-19	1800	9.82	1,640	03-29	0600	13.55	2,920	04-14	0345	10.25	1,770
02-19	1830	10.13	1,730	03-29	0630	12.57	2,560	04-14	0400	9.77	1,620
02-19	1900	10.32	1,790	03-29	0700	11.39	2,140	04-14	0430	8.83	1,350
02-19	1930	10.28	1,780	03-29	0730	10.26	1,770	04-14	0500	8.04	1,140
02-19	2000	10.00	1,690	03-29	0800	9.13	1,440	04-14	0530	7.42	981
02-19	2030	9.52	1,550	03-29	0830	8.15	1,170	04-14	0600	6.97	874
02-19	2100	8.86	1,360	03-29	0900	7.46	991	04-14	0700	6.19	701
02-19	2130	8.14	1,160	03-29	0930	6.88	853	04-14	0800	5.54	569
02-19	2200	7.47	993	03-29	1000	6.24	711				
02-19	2230	6.88	853	03-29	1100	5.41	544	04-14	1700	3.88	286
02-19	2300	6.37	739	03-29	1200	4.91	452	04-14	1730	4.78	429
02-19	2330	5.94	648	03-29	1300	4.47	377	04-14	1745	5.07	480
02-19	2400	5.58	576					04-14	1800	5.72	604
				04-12	1630	3.03	174	04-14	1815	7.08	900
03-28	1645	3.29	205	04-12	1645	5.50	561	04-14	1830	8.52	1,260
03-28	1730	3.73	264	04-12	1700	10.39	1,810	04-14	1845	9.74	1,610
03-28	1745	6.84	844	04-12	1715	12.64	2,580	04-14	1900	10.69	1,910
03-28	1800	9.39	1,510	04-12	1730	13.83	3,030	04-14	1915	11.38	2,140
03-28	1815	10.76	1,930	04-12	1745	14.26	3,210	04-14	1930	11.94	2,330
03-28	1830	11.61	2,220	04-12	1800	14.39	3,270	04-14	1945	12.35	2,480
03-28	1845	12.03	2,360	04-12	1815	14.27	3,220	04-14	2000	12.62	2,570
03-28	1900	12.35	2,480	04-12	1830	14.04	3,120	04-14	2015	12.77	2,630
03-28	1915	12.61	2,570	04-12	1845	13.77	3,010	04-14	2030	12.76	2,630
03-28	1930	12.66	2,590	04-12	1900	13.48	2,900	04-14	2045	12.65	2,590
03-28	1945	12.60	2,570	04-12	1930	12.96	2,700	04-14	2100	12.46	2,520
03-28	2000	12.45	2,510	04-12	2000	12.48	2,520	04-14	2115	12.21	2,430
03-28	2015	12.18	2,420	04-12	2030	11.89	2,310	04-14	2130	11.89	2,310
03-28	2030	11.84	2,300	04-12	2100	11.10	2,040	04-14	2145	11.51	2,180
03-28	2045	11.44	2,160	04-12	2130	10.09	1,720	04-14	2200	11.08	2,040
03-28	2100	10.98	2,000	04-12	2200	9.00	1,400	04-14	2215	10.60	1,880
03-28	2115	10.46	1,840	04-12	2230	8.00	1,130	04-14	2230	10.09	1,720
03-28	2130	9.92	1,670	04-12	2300	7.20	928	04-14	2245	9.60	1,570
03-28	2145	9.35	1,500	04-12	2330	6.54	776	04-14	2300	9.11	1,430
03-28	2200	8.82	1,350	04-12	2400	5.98	657	04-14	2315	8.67	1,310
03-28	2215	8.33	1,210					04-14	2330	8.22	1,180
03-28	2230	7.84	1,090	04-13	2200	3.29	205	04-14	2345	7.80	1,080
03-28	2245	7.38	971	04-13	2215	7.16	919	04-14	2400	7.42	981
03-28	2300	6.92	862								

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 1991

Station No.	Station Name	Location	Drainage area (mi ²)	Period of record	Annual Maximum		
					Date	Gage height (feet)	Dis-charge (ft ³ /s)
MOBILE RIVER BASIN							
02434000	Town Creek at Tupelo, MS	Lat 34°17'39", long 88°42'32", in SW ⁴ SE ⁴ sec.18, T.9 S., R.6 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, on U.S. Highway 45, 0.5 mi north of city limits of Tupelo. Prior to 1971 at datum 0.40 ft higher.	111	1944-46†, 1952-70†, 1971-91	5-27-91	26.67	20,100
02435800	Coonewah Creek at Shannon, MS	Lat 34°08'17", long 88°43'08", in SE ⁴ sec.12, T.11 S., R.5 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, on U.S. Highway 45, 1.0 mi north of Shannon and 4.5 mi upstream from mouth.	53.1	1953-91	5-27-91	17.78	(†)
02436000	Chiwapa Creek at Shannon, MS	Lat 34°06'35", long 88°43'20", in SE ⁴ sec.24, T.11 S., R.5 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, at bridge on U.S. Highway 45W at Shannon, and 0.7 mi above Gulf, Mobile and Ohio Railroad bridge.	145	1952-67†, 1968-91	5-27-91	12.88	20,900
02437300	Mattubby Creek near Aberdeen, MS	Lat 33°52'13", long 88°35'46", in SE ⁴ SE ⁴ sec.7, T.14 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, at bridge on U.S. Highway 45, 1.5 mi above Wolf River, and 4.1 mi northwest of Aberdeen.	92.2	1937, 1952-91	12-21-91	95.27	14,600
02437550	Nichols Creek tributary near Quincy, MS	Lat 33°54'20", long 88°21'05", in SE ⁴ sec.29, T.13 S., R.10 E., Huntsville Meridian, Monroe County, Hydrologic Unit 03160101, at culvert on U.S. Highway 278, 1.0 mi southeast of Quincy.	.54	1967-91	5-27-91	7.10	340
02437600	James Creek at Aberdeen, MS	Lat 38°48'48", long 88°33'59", in SW ⁴ SE ⁴ sec.33, T.14 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, at bridge on State Highway 25, 0.4 mi southwest of Aberdeen.	28.4	1964-68†, 1969-91	5-27-91	24.82	6,280
02439980	Chuquatonchee Creek near Okalona, MS	Lat 34°00'05", long 88°53'00", in NE ⁴ sec.33, T.12 S., R.4 E., Chickasaw Meridian, Chickasaw County, Hydrologic Unit 03160104, at bridge on State Highway 32, 7.5 mi west of Okolona.	68.5	1963-68, 1969-80, 1984-86, 1988-91	5-27-91	14.85	5,170
02440000	Chuquatonchee Creek near Egypt, MS	Lat 33°50'24", long 88°45'40", on line between secs.22 and 27, T.14 S., R.5 E., Chickasaw Meridian, Chickasaw County, Hydrologic Unit 03160104, at bridge on State Highway 8, 4.5 mi southwest of Egypt.	167	1952-73†, 1974-91	12-23-91	15.39	21,900
02440400	Houlka Creek near McCondy, MS	Lat 33°47'05", long 88°51'15", in SE ⁴ SW ⁴ sec.11, T.15 S., R.4 E., Chickasaw Meridian, Clay County, Hydrologic Unit 03160104, at bridge on State Highway 47, 2.8 mi south of McCondy.	189	1963-68†, 1969-91	5-27-91	17.91	32,200
02440500	Chuquatonchee Creek near West Point, MS	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, Hydrologic Unit 03160104, at bridge on State Highway 50, 3.0 mi west of West Point.	505	1944-73†, 1974-91	5-27-91	23.74	48,600
02440600	Line Creek near Maben, MS	Lat 33°39'17", long 89°03'41" in SW ⁴ sec.26 T.16 S., R.2 E., Chickasaw Meridian, Webster County, Hydrologic Unit 03160104, at bridge on State Highway 15, 1,000 ft below Gulf, Mobile and Ohio Railroad, and 7.0 mi north of Maben.	4.76	1952-91	5-27-91	25.12	4,240

Annual maximum discharge at crest-stage partial-record stations during water year 1991

					Annual Maximum		
Station No.	Station Name	Location	Drainage area (mi ²)	Period of record	Date	Gage height (feet)	Dis-charge (ft ³ /s)
MOBILE RIVER BASIN--Continued							
02440800	Trim Cane Creek near Starkville MS	Lat 33°28'08", long 88°54'30", in NW ¹ / ₄ sec.35, T.19 N., R.13 E., Choctaw Meridian, Oktibbeha County, Hydrologic Unit 03160104, at bridge on U.S. Highway 82, 3.0 mi above Biba Wila Creek, and 6.0 mi west of Starkville.	44.9	1952-91	5-27-91	27.31	7,950
02441220	Sand Creek tributary near Mayhew, MS	Lat 33°28'37", long 88°43'23", on line between SW ¹ / ₄ sec.27 and NW ¹ / ₄ sec.34, T.19 N., R.15 E., Choctaw Meridian, Oktibbeha County, Hydrologic Unit 03160104, on U.S. Highway 82, 3.7 mi west of Mayhew.	.44	1966-91	5-27-91	7.58	320
02441300	Catalpa Creek at Mayhew, MS	Lat 33°28'53", long 88°37'42", in NE ¹ / ₄ SW ¹ / ₄ sec.28, T.19 N., R.16 E., Choctaw Meridian, Lowndes County, Hydrologic Unit 03160104, at bridge on U.S. Highway 82, 0.5 mi east of Mayhew.	98.0	1963-68†, 1969-91	12-23-90	22.70	32,600
02443000	Luxapallila Creek at Steens, MS	Lat 33°33'35", long 88°18'55" in NE ¹ / ₄ sec.27, T.17 S., R.17 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160105, on county highway, 0.2 mi southeast of Steens.	309	1944-47†, 1950-77†, 1978-91	2-17-90 12-24-90	d unknown 18.83	8,700 15,500
02448620	Flat Scooba Creek tributary near Scooba, MS	Lat 32°50'27", long 88°28'08", in SE ¹ / ₄ sec.32, T.12 N., R.18 E., Choctaw Meridian, Kemper County, Hydrologic Unit 03160108, at culvert on U.S. Highway 45, 0.8 mi north of Scooba.	.44	1967-91	4-15-91	4.99	115
PASCAGOULA RIVER BASIN							
02471100	Leaf River near Raleigh, MS	Lat 32°00'47", long 89°25'58", in SE ¹ / ₄ SE ¹ / ₄ sec.13, T.2 N., R.8 E., Choctaw Meridian, Smith County, Hydrologic Unit 03170004, at bridge on State Highway 18, 6.0 mi east of Raleigh.	143	1940-43c, 1957-91	4-30-91	23.08	6,240
02471250	Leaf River at Taylorsville, MS	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, Hydrologic Unit 03170004, on State Highway 28, 1.0 mi east of Taylorsville.	459	1968-91	4-30-91	50.16	12,900
02471500	Oakohay Creek at Mize, MS	Lat 31°52'00", long 89°32'49", in NW ¹ / ₄ , sec.6, T.10 N., R.15 W., St. Stephens Meridian, Smith County, Hydrologic Unit 03170004, on State Highway 28, at Mize.	185	1943-49†, 1968-91	4-30-91	13.39	7,400
02472420	Bowie Creek near Sanford, MS (formerly published as Bowie Creek near Sanford)	Lat 31°28'20", long 89°31'20", in NE ¹ / ₄ sec.20, T.6 N., R.15 W., St. Stephens Meridian, Covington County, Hydrologic Unit 03170004, at bridge on State Highway 589, 5.0 mi southwest of junction with U.S. Highway 49.	262	1968-91	3- 3-91	20.57	5,420
02473047	Gordon Creek at Hattiesburg, MS	Lat 31°19'42", long 89°18'14", in NW ¹ / ₄ NE ¹ / ₄ sec.9, T.4 N., R.13 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170005, at bridge on Broad Street in Hattiesburg.	8.83	1969-91	12- 3-90	11.98	1,790
02473480	Tallahattah Creek near Waldrup, MS	Lat 31°51'40", long 89°05'10", in NW ¹ / ₄ SE ¹ / ₄ sec.3, T.10 N., R.11 W., St. Stephens Meridian, Jasper County, Hydrologic Unit 03170005, on paved county road, 8.7 mi south of Waldrup.	30.4	1965-70†, 1971-91	2-20-91	15.14	2,150
02473850	Tallahoma Creek tributary at Lake Como, MS	Lat 31°57'43", long 89°12'18", on line between SE ¹ / ₄ sec.31, T.1 N., and NE ¹ / ₄ sec.6, R.11 E., (revised) Choctaw Meridian, Jasper County, Hydrologic Unit 03170005, at culvert on State Highway 528, 0.5 mi east of Lake Como.	3.21	1966-91	2-20-91	7.49	(†)

Annual maximum discharge at crest-stage partial-record stations during water year 1991

Station No.	Station Name	Location	Drainage area (mi ²)	Period of record	Annual Maximum		
					Date	Gage height (feet)	Dis-charge (ft ³ /s)
PASCAGOULA RIVER BASIN--Continued							
02474650	Buck Creek near Runnelstown, MS	Lat 31°21'50", long 89°03'08", in SE¼ sec.25, T.5 N., R.11 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, at bridge on State Highway 42, 2.5 mi above mouth, and 3.7 mi east of Runnelstown.	20.8	1951-91	3- 2-91	7.15	<1,500
02475050	Waterfall Branch near McLain, MS	Lat 31°07'08", long 88°45'28", in SW¼ NE¼ sec.23, T.2 N., R.8 W., St. Stephens Meridian, Greene County, Hydrologic Unit 03170005, at culvert on State Highway 57, 4.2 mi east of McLain. Prior to Oct. 1, 1964, at datum 0.72 ft lower.	.65	1955-91	3-29-91	4.18	91
02477050	Souenlovie Creek near Baxter, MS	Lat 32°13'10", long 89°09'30", in NE¼ sec.3 T.4 N., R.11 E., Choctaw Meridian, Jasper County, Hydrologic Unit 03170002, at culvert on State Highway 15, 2.6 mi north of Baxter.	1.14	1965-91	2-19-91	9.14	550
02477330	Shubuta Creek near Shubuta, MS	Lat 31°53'04", long 88°44'20" in NW¼ sec. 35, T.1 N., R.15 E., Choctaw Meridian, Clarke County, Hydrologic Unit 03170002, at county highway 1.5 mi northwest of Shubuta, and 5.0 mi above mouth.	75.5	1963-91	3-29-91	10.33	920
TCHOUTACABOUFFA RIVER BASIN							
02480500	Tuxachanie Creek near Biloxi, MS	Lat 30°30'35", long 88°54'40", in SE¼ NW¼ sec.20, T.6 S., R.9 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, at bridge on State Highway 15, 7.0 mi north of city limits of Biloxi.	92.4	1952-71+, 1972-91	1- 7-91	18.90	7,310
BILOXI RIVER BASIN							
02481130	Biloxi River near Lyman, MS	Lat 30°29'18", long 89°02'09", in SE¼ sec.25, T.6 S., R.11 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, on downstream side of left pier of bridge on county highway, 1.2 mi downstream from Little Biloxi River, 4.6 mi east of Lyman.	251	1965-91	5-18-91	19.17	14,600
PEARL RIVER BASIN							
02483890	Yockanookany River tributary near McCool, MS	Lat 33°10'06", long 89°25'28", in SW¼ sec.7, T.15 N., R.9 E., Choctaw Meridian, Attala County, Hydrologic Unit 03180001, at culvert on State Highway 12, 4.0 mi southwest of McCool.	0.34	1965-91	2-20-91	7.73	540
02484600	Coffee Bogue at Ludlow, MS	Lat 32°34'25", long 89°43'48", in NW¼ of line between sec.1 and 6, T.8 N., R.5 E., Choctaw Meridian, Scott County, Hydrologic Unit 03180002, at bridge on county road, 1.0 mi west of Ludlow.	77.0	1975-91	4-29-91	14.09	5,030
02484750	Red Cane Creek tributary near Pisgah, MS	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, Hydrologic Unit 03180002, at circular culvert on State Highway 43, 4.1 mi east of Pisgah.	.10	1965-91	4-29-91	4.76	58
02484760	Fannegusha Creek near Sand Hill, MS	Lat 32°30'20", long 89°48'45", in SW¼ sec.29, T.8 N., R.5 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, at bridge on county road, 3.9 mi east of Sand Hill.	52.3	1975-91	3-28-91	12.00	5,010
02485650	Purple Creek at Jackson, MS	Lat 32°22'48", long 90°07'19", in NW¼ sec.8, T.6 N., R.2 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, at Old Canton Road bridge in Jackson, and 1.5 mi above mouth.	6.12	1952-91	4-29-91	11.84	1,520

Annual maximum discharge at crest-stage partial-record stations during water year 1991

Station No.	Station Name	Location	Drainage area (mi ²)	Period of record	Annual Maximum		
					Date	Gage height (feet)	Dis-charge (ft ³ /s)
PEARL RIVER BASIN--Continued							
02486115	Three Mile Creek at Jackson, MS	Lat 32°16'15", long 90°13'00", in NW ⁴ SE ⁴ sec.17, T.5 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, at old U.S. Highway 51 (Terry Road), 0.6 mi above Illinois Central Railroad.	1.05	1962-91	3-29-91	10.73	880
02487300	Strong River near Puckett, MS	Lat 32°03'48", long 89°44'50", in SE ⁴ SE ⁴ sec.26, T.3 N., R.4 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, at State Highway 18, 2.0 mi southeast of Puckett.	248	1958-91	4-30-91	25.35	13,400
02487500	Strong River at D'Lo, MS	Lat 31°58'40", long 89°53'53", in SW ⁴ sec.28, T.2 N., R.4 E., Choctaw Meridian, Simpson County, Hydrologic Unit 03180002, on left bank at downstream side of old U.S. Highway 49, 0.2 mi south of D'Lo.	425	1928-71+, 1972-91	5- 1-91	29.17	14,000
02487900	Copiah Creek near Hazlehurst, MS	Lat 31°53'23", long 90°17'10", in SW ⁴ SE ⁴ sec.27, T.1 N., R.1 W., Choctaw Meridian, Copiah County, Hydrologic Unit 03180003, at bridge on State Highway 28, 6.2 mi east of Hazlehurst.	47.4	1948-65, 1966-68+, 1969-91	4-13-91	14.55	2,950
02489030	Elmers Draw near Columbia, MS	Lat 31°11'58", long 89°57'57", in SE ⁴ SE ⁴ NW ⁴ sec.26, T.3 N., R.12 E., Washington Meridian, Marion County, Hydrologic Unit 03180004, at U.S. Highway 98, 5.7 mi west of Columbia. Prior to Oct. 1, 1964, at datum 1.12 ft higher.	.91	1955-91	4-29-91	4.36	112
02492360	West Hobolochitto Creek near McNeill, MS	Lat 30°39'42", long 89°41'10", in NW ⁴ NE ⁴ sec.34, T.4 S., R.17 W., St. Stephens Meridian, Pearl River County, Hydrologic Unit 03180004 at bridge on county road, 3.1 mi west of McNeill.	175	1966-68+, 1969-91	5-10-91	18.66	6,200
YAZOO RIVER BASIN							
07267000	Hell Creek near New Albany, MS	Lat 34°30'55", long 89°03'10", in SW ⁴ sec.36, T.6 S., R.2 E., Chickasaw Meridian, Union County, Hydrologic Unit 08030201, at bridge on U.S. Highway 78, 3.0 mi northwest of New Albany, and 4.5 mi above mouth.	27.3	1939-42+, 1952-91	2-20-91	12.91	7,760
07268500	Cypress Creek near Etta, MS	Lat 34°26'30", long 89°17'25", in SE ⁴ sec.27, T.7 S., R.1 W., Chickasaw Meridian, Lafayette County, Hydrologic Unit 08030201, at bridge on State Highway 30, 4.5 mi southwest of Etta, and 5.0 mi above mouth. Prior to Oct. 1, 1964, at datum 10.00 ft higher.	28.5	1939-42+, 1952-91	2-20-91	<19.14	<10,000
07269000	North Tippah Creek near Ripley, MS	Lat 34°44'00", long 89°01'34", in SW ⁴ sec.18, T.4 S., R.3 E., Chickasaw Meridian, Tippah County, Hydrologic Unit 08030201, at bridge on State Highway 4, 2.0 mi upstream from Tippah Creek, and 5.5 mi west of Ripley.	20.0	1939-42+, 1952-85, 1988-91	2-18-91	17.97	4,200
07274250	Otocalofa Creek at Water Valley, MS	Lat 34°08'26", long 89°38'15", in SW ⁴ NE ⁴ sec.8, T.11 S., R.4 W., Chickasaw Meridian, Yalobusha County, Hydrologic Unit 08020203, at bridge on State Highway 7, 0.9 mi south of Water Valley, and 5.2 mi above mouth.	84.1	1952-91	2-19-91	25.62	7,900
07275500	Long Creek at Courtland, MS	Lat 34°13'40", long 89°56'20", near center of sec.9, T.10 S., R.7 W., Chickasaw Meridian, Panola County, Hydrologic Unit 08030203, at bridge on U.S. Highway 51, 1.0 mi south of Courtland, 5.5 mi above mouth, and 6.0 mi south of Batesville.	66.2	1940-43+, 1952-91	2-19-91	b	a23,000

Annual maximum discharge at crest-stage partial-record stations during water year 1991

					Annual Maximum		
Station No.	Station Name	Location	Drainage area (mi ²)	Period of record	Date	Gage height (feet)	Dis-charge (ft ³ /s)
YAZOO RIVER BASIN--Continued							
07285700	Long Creek near Cascilla, MS	Lat 33°51'40", long 89°59'05", in NE¼ sec.16, T.23 N., R.3 E., Choctaw Meridian, Tallahatchie County, Hydrologic Unit 08030205, at culvert on county highway, 1.1 mi east of Cascilla.	1.64	1965-91	12-22-90	10.46	1,200
07287350	Fannegusha Creek near Tchula, MS	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, Hydrologic Unit 08030206, on State Highway 12, east of Tchula.	103	1953-65e, 1968-91	2-19-91	23.26	14,600
BIG BLACK RIVER BASIN							
07289265	Hays Creek tributary No. 1 near Vaiden, MS	Lat 33°23'10", long 89°46'07", in SE¼SW¼ sec.27, T.18 N., R.5 E., Choctaw Meridian, Carroll County, Hydrologic Unit 08060201, at bridge on U.S. Highway 51, 3.9 mi north of Vaiden.	14.0	1975-91	12-22-90	26.33	2,900
07289600	Tilda Bogue near Canton, MS	Lat 32°39'15", long 90°00'05", in SW¼ sec.5, T.9 N., R.3 E., Choctaw Meridian, Madison County, Hydrologic Unit 08060202, at bridge on U.S. Highway 51, 3.0 mi north of Canton, and 3.5 mi above mouth.	24.4	1948-91	4-29-91	18.27	3,200
07290005	Clear Creek near Bovina, MS	Lat 32°21'42", long 90°43'32", in SW¼ sec.17, T.16 N., R.5 E., Washington Meridian, Warren County, Hydrologic Unit 08060202, on county road, 1.0 mi northeast of Bovina.	32.0	1953-91	12-22-90	27.36	10,900
BAYOU PIERRE BASIN							
07290690	Clarks Creek near Pattison, MS	Lat 31°53'40", long 90°50'40", in lot 35, T.11 N., R.4 E., Washington Meridian, Claiborne County, Hydrologic Unit 08060203, at bridge on county highway, 1.3 mi above mouth, and 2.5 mi east of Pattison.	475.0	1961-62†, 1963-91	4-29-91	20.05	10,500
07290830	Little Creek near Fayette, MS	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, Hydrologic Unit 08060204, at culvert on State Highway 33, 2.0 mi south of Fayette.	1.71	1967-91	7- 4-91	9.40	740
COLES CREEK BASIN							
07290870	Coles Creek near Fayette, MS	Lat 31°45'55", long 91°11'30", in lot 21, T.9 N., R.1 W., Washington Meridian, Jefferson County, Hydrologic Unit 08060204, at bridge on county highway, 0.7 mi below confluence of North and South Forks of Coles Creek, and 10.0 mi northwest of Fayette.	257	1961-62†, 1963-91	3-29-91	25.14	25,800

Annual maximum discharge at crest-stage partial-record stations during water year 1991

Station No.	Station Name	Location	Drainage area (mi ²)	Period of record	Date	Annual Maximum		
						Gage height (feet)	Dis-charge (ft ³ /s)	
HOMOCHITTO RIVER BASIN								
07291250	McCall Creek near Lucien	Lat 31°30'24", long 90°38'45", in SW ¹ / ₄ sec.6, T.6 N., R.6 E., Washington Meridian, Franklin County, Hydrologic Unit 08060205, at U.S. Highway 84, 0.8 mi east of Lucien.	d60.8	1953, 1955-91	4-14-91	84.66	9,450	
THOMPSON CREEK BASIN								
07373550	Moore's Branch near Woodville, MS	Lat 31°05'20", long 91°14'30", in SE ¹ / ₄ SW ¹ / ₄ sec.32, T.2 N., R.1 W., Washington Meridian, Wilkinson County, Hydrologic Unit 08070201, at State Highway 24, 3.3 mi east of Woodville. Prior to Oct. 1, 1964, at datum 0.88 ft lower.	.21	1955-91	8-11-91	3.85	87	

† Discharge not determined.

‡ Operated as a continuous-record gaging station.

a Approximately.

b High-water mark was not determined.

c Gage heights and discharge measurements in files of Corps of Engineers.

d Revised.

e Published at site near Howard, 3 mi downstream.

Special study and miscellaneous sites

Discharge measurements in the following table were made at special study and miscellaneous sites throughout the State.

Discharge measurements made at special study and miscellaneous sites during water year 1991

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
MOBILE RIVER BASIN						
02443000 Luxapallila Creek at Steens, MS	Tombigbee River	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 county road, 0.2 mi southeast of Steens.	309	1944-47, 1950-90	10- 4-90 11- 8-90 12-26-90 1-31-91 2-20-91 3- 6-91 4-25-91 6- 5-91 7-24-91 8-28-91	71.7 99.6 2,920 380 10,800 1,500 750 622 139 341
PASCAGOULA RIVER BASIN						
02472820 Okatoma Creek at Seminary, MS	Bowie Creek	Lat 31°33'45", long 89°30'15", In NE¼ sec.21, T.7 N., R.15 W., St. Stephens Meridian, Covington County, Hydrologic Unit 03170004, on State Highway 590, 0.1 mi west of Seminary.	204	1961, 1972, 1980-90	1-28-91 4-16-91 8-20-91	367 2,490 112
02474200 Tallahala Creek at Ellisville, MS	Leaf River	Lat 31°36'34", long 89°10'52", In SE¼ sec. 35, T.8 N, R.12 W., Stephens Meridian, Jones County, Hydrologic Unit 03170005, on county road, at Ellisville.	467	1973-75 1977	11- 1-90 12-11-90 1-29-91 3-14-91 4-15-91 5-31-91 7-15-91 8-20-91	19.9 83.0 574 431 3,800 3,200 213 65.8
02481200 Bayou Bernard near Gulfport, MS	Big Lake	Lat 30°26'22", long 89°05'52", In NW¼ sec. 16, T. 7 S., R.11 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, on U. S. Highway 49, 1.0 mile north of Gulfport.	16.2	1942-43, 1953-58	1- 7-91	2,250
PEARL RIVER BASIN						
02485735 Pearl River at Jackson, MS	Gulf of Mexico	Lat 32°19'53", long 90°07'45", In SE¼ sec 30, T.6 N., R.2 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, on State Highway 25 at Jackson.	3,134	1969, 1976, 1979-80, 1985,	2-25-91 5- 1-91	36,800 49,800
02486500 Pearl River at Byram, MS	Gulf of Mexico	Lat 32°10'36", long 90°14'35", In NW¼ sec.19, T.4 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, on county road, 0.2 mi southwest of Byram.	3,380	1939, 1964, 1972, 1976-78, 1984-90	10-25-90 1-16-91 2-26-91 4- 9-91 5-24-91 7-12-91 8-13-91	185 5,500 37,200 8,930 1,660 810 320
02489000 Pearl River near Columbia, MS	Gulf of Mexico	Lat 31°14'14", long 89°50'49", In NW¼ sec.7, T.3 N., R.18 W., St. Stephens Meridian, Marion County, Hydrologic Unit 03180004, on U.S. Highway 98, 1.5 mi southwest of Columbia.	5,720	1928-55, 1958, 1960-64, 1972, 1974, 1985-90	10- 4-90 11-20-90 1-18-91 2-13-91 4-10-91 5-10-91 6-19-91 7-31-91 9- 5-91	1,240 1,250 7,580 8,000 20,100 71,700 8,470 3,880 4,400
02490270 Bogue Chitto near Enterprise, MS	West Pearl River	Lat 31°29'36", long 90°26'39", In NW¼ sec. 18, T.6 N., R.8 E., Washington Meridian, Lincoln County, Hydrologic Unit 03180005, on county road, 4 mi northwest of Enterprise.	63.9	----	1- 7-91 3- 4-91 7- 8-91 9- 9-91	40.1 219 316 24.3

Discharge measurements made at special study and miscellaneous sites during water year 1991

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
PEARL RIVER BASIN--Continued						
02490310 Bogue Chitto at Bogue Chitto, MS	West Pearl River	Lat 31°26'16", long 90°26'45" In SW¼ sec. 31, T.6 N., R.8 E., Choctaw Meridian, Lin- coln County, Hydrologic Unit 03180005, on county road, 0.3 mi east of Bogue Chitto.	161	1985-88	1- 8-91 95.9 3- 4-91 660 5- 6-91 1,210 7- 8-91 663 9- 9-91 105	
02490900 Bogue Chitto near Lehr, MS	West Pearl River	Lat 31°01'22", long 90°12'33", In NE¼ sec.29, T.1 N., R.10 E., Washington Meridian, Wal- thall County, Hydrologic Unit 03180005, on county road, 1.1 mi west of Lehr.	785	1969, 1971, 1976, 1979, 1982-90	10- 4-90 504 11-20-90 499 1- 7-91 1,110 3- 4-91 3,390 5- 6-91 7,880 7- 8-91 1,750 9- 9-91 1,180	
02492395 Mill Creek near Carriere, MS	West Hobolochitto Creek	Lat 30°34'55", long 89°38'05", In SE¼ sec. 30, T.5 N., R.10 E., St. Stephens Meridian, Pearl River County, Hydrologic Unit 03180004, on private road, 2.8 mi southeast of Carriere.	10.3	1987-90	11-24-90	2.99
02492400 Mill Creek below Hideway Lake near Carriere, MS	West Hobolochitto Creek	Lat 30°33'49", long 89°39'21", In SW¼ sec.36, T.5 S., R.17 W., St. Stephens Meridian, Pearl River County, Hydrologic Unit 03180004, on private road, 3.7 mi south of Carriere.	12.4	1988-89	11-24-90	4.93
YAZOO RIVER BASIN						
07273720 Kettle Creek near Oxford, MS	Yocona River	Lat 34°18'47", long 89°19'40", In SW¼ sec.8, T.9 S, R.1, W., Chickasaw Meridian, Lafayette County, Hydrologic Unit 08030203, on State Highway 6, 10.5 mi southeast of Oxford.	5.23	----	7-24-91	0.25
07273940 Pumpkin Creek near Oxford, MS	Yocona River	Lat 34°19'38", long 89°23'51", In SW¼ sec.3, T.9 S, R.2 W., Chickasaw Meridian, Lafayette County, Hydrologic Unit 08030203, on State Highway 6, 6.5 mi southeast of Oxford.	5.11	----	7-24-91	2.70
07274235 Otoucalofa Creek near Paris, MS	Yocona River	Lat 34°08'56", long 89°26'20", In SE¼ sec.6, T.11 S., R.2 W., Chickasaw Meridian, Calhoun County, Hydrologic Unit 08030203, on county road, 2.2 mi southeast of Paris.	8.28	1988-90	4-12-91 12.1 4-13-91 49.4 8-20-91 0.28	
07274237 Otoucalofa Creek at Paris, MS	Yocona River	Lat 34°10'11", long 89°27'24", In NW¼ sec.31, T.10 S., R.2 W., Chickasaw Meridian, Lafayette County, Hydrologic Unit 08030203, on county road, 0.5 mi south of Paris.	21.0	1988-90	4-11-91 23.4 4-13-91 203 8-20-91 1.05	
07274245 Otoucalofa Creek near Water Valley, MS	Yocona River	Lat 34°09'30", long 89°31'58", In NE¼ sec.5, T.11 S., R.3 W., Chickasaw Meridian, Yalobusha County, Hydrologic Unit 08030203, on county road, 4.2 mi east of Water Valley.	46.5	1988-90	4-11-91 62.7 4-14-91 252 8-20-91 4.88	
07274247 Otoucalofa Creek near Water Valley, MS	Yocona River	Lat 34°07'49", long 89°35'36", In NW¼ sec.14, T.11 S., R.4 W., Chickasaw Meridian, Yalobusha County, Hydrologic Unit 08030203, on county road 2.0 mi east-southeast of Water Valley.	74.0	1988-90	4-11-91 101 4-13-91 375 7-23-91 27.1 8-20-91 17.9	
07277520 Hickahala Creek near Independance, MS	Coldwater River	Lat 34°40'30", long 89°45'27", In SE¼ sec.6, T.5 S., R.5 W., Chickasaw Meridian, Tate County, Hydrologic Unit 08030204, on county road, 3.6 mi southeast of Independance.	25.3	1988-90	7-16-91	7.44

Discharge measurements made at special study and miscellaneous sites during water year 1991

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
YAZOO RIVER BASIN--Continued						
07277530 Hickahala Creek near Looxahoma, MS	Coldwater River	Lat 34°38'29", long 89°48'39", In NE¼ sec.22, T.5 S., R.6 W., Chickasaw Meridian, Tate County, Hydrologic Unit 08030204, on State Highway 305, 3.0 mi northeast of Looxahoma.	44.7	1988-90	7-16-91	22.1
07277548 James Wolf Creek near Looxahoma, MS	Hickahala Creek	Lat 34°36'06", long 89°49'17", In SE¼ sec.27, T.5 S., R.6 W., Chickasaw Meridian, Tate County, Hydrologic Unit 08030203, on State Highway 4, 1.0 mi northeast of Looxahoma.	35.2	1970, 1975, 1988-90	7-16-91	10.8
07277715 Senatobia Creek near Como, MS	Hickahala Creek	Lat 34°33'01", long 89°52'50", In NE¼ sec.24, T.6 S., R.7 W., Chickasaw Meridian, Panola County, Hydrologic Unit 08030204, on country road, 3.3 mi northeast of Como.	20.4	1988-90	7-16-91	3.96
07279300 Coldwater River at Prichard, MS	Tallahatchie River	Lat 34°41'58", long 90°13'54", In SW¼ sec.26, T.4 S., R.10 W., Chickasaw Meridian, Tunica County, Hydrologic Unit 08030204, on county road, 0.3 mi southeast of Prichard.	1,214	1961-62, 1964-75, 1977-79, 1981	1- 8-91 3- 6-91 7-11-91 9- 9-91	6,710 2,200 2,350 2,650
07281000 Tallahatchie River at Swan Lake, MS	Yazoo River	Lat 33°51'35", long 90°16'35", In NE¼ sec.15, T.23 N., R.1 W., Choctaw Meridian, Tallahatchie County, Hydrologic Unit 08030202, on county road, 1 mi southeast of Swan Lake.	5,130	1979-81 1983	1- 8-91 3- 6-91 7-11-91 8- 9-91	12,900 14,900 9,540 9,730
07287095 Pelucia Creek near Greenwood, MS	Yazoo River	Lat 33°27'58", long 90°07'57", In NW¼ sec.31, T.19 N., R.2 E., Choctaw Meridian, Leflore County, Hydrologic Unit 09030206, on State Highway 430, 5.2 miles southwest of Greenwood.	24.3	1961 1963-71	10-30-90	29.4
07287120 Yazoo River near Shell Bluff, MS	Mississippi River	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 county road, 1.8 mi east of Shell Bluff.	7,650	----	1- 7-91 3- 5-91 7-11-91 9- 9-91	23,280 32,200 16,500 15,850
07287330 Fannegusha Creek near Ituma, MS	Yazoo River	Lat 33°13'35", long 90°02'30", In NE¼ sec.25, T.16 N., R.2 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08030206, on State Highway 17, 3.7 mi east of Ituma.	39.8	1988-90	4-25-91 4-27-91 8-27-91 8-27-91	26.0 56.0 12.7 9.33
07287375 Black Creek at Bowling Green, MS	Yazoo River	Lat 33°09'37", long 89°57'24", In SW¼ sec.11, T.15 N., R.3 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08030206, on county road, 2.4 mi west of Bowling Green.	28.2	1988-90	4-25-91 4-27-91 8-27-91 8-27-91	18.8 57.5 6.99 6.76
07287405 Black Creek at Howard, MS	Yazoo River	Lat 33°07'11", long 90°11'28", In SW¼ sec.27, T.15 N., R.1 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08030206, on county road, 0.2 mi south of Howard.	178	1988-90	4-25-91 4-27-91 4-27-91 8-27-91	110 564 2,100 68.0
07287680 Cassidy Bayou near Clarksdale, MS	Big Creek	Lat 34°12'54", long 90°29'59", In NE¼ sec.115, T.27 N., R.3 W., Choctaw Meridian, Coahoma County, Hydrologic Unit 08030202, on State Highway 6, 3 mi east of Clarksdale.	7.1	----	2-19-91	412

Discharge measurements made at special study and miscellaneous sites during water year 1991

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
YAZOO RIVER BASIN--Continued						
07288130 Alligator Bayou at Alligator, MS	Hushpuckena River	Lat 34°15'37", long 90°42'49", In SE¼ sec.33, T.26 N., R.5 W., Choctaw Meridian, Bolivar County, Hydrologic Unit 08030207, on U.S. Highway 61, at Alligator.	1.37	----	2-20-91	545
07288350 Big Sunflower River near Ruleville, MS	Yazoo River	Lat 33°43'40", long 90°35'36", In SE¼ sec.34, T.22 N., R.4 W., Chocataw Meridain, Sun- flower County, Hydrologic Unit 08030207, on State Highway 8, 2 mi west of Ruleville.	----	1965-69 1973 1978	2-20-91	9,650
07288500 Big Sunflower River at Sunflower, MS	Yazoo River	Lat 33°32'50", long 90°32'35", In NE¼ sec.6,T.19 N.1, R.3 W., Choctaw Meridian, Sunflower County, Hydrologic Unit 08030207, on county road, at Sunflower.	767	1959-64 1979-84	1- 7-91 3- 5-91 7-11-91 9- 9-91	3,280 6,300 251 361
07288629 Bogue Phalia Tributary at Pace, MS	Sunflower River	Lat 33°47'49", long 90°51'44", In SE¼ sec.31, T.23 N, R.6 W., Choctaw Meridian, Bolivar County, Hydrologic Unit 08030207, on State Highway 8, 0.5 mi west of Pace.	12.5	----	2-20-91	288
07288633 Bogue Phalia near Pace, MS	Sunflower River	Lat 33°48'15", long 90°52'36", In NW¼ sec.36, T.23 N., R.7 W., Choctaw Meridian, Bolivar County, Hydrologic Unit 08030207, on State Highway 8, 1.5 mi west of Pace.	76.5	----	2-20-91	1,780
BIG BLACK RIVER BASIN						
07289540 Big Black River near Canton, MS	Mississippi River	Lat 32°42'26", long 90°05'40", In SE¼ sec.16, T.10 N., R.2 E., Choctaw Meridian, Madison County, Hydrologic Unit 08060202, on State Highway 16, 6.8 mi northwest of Canton.	1,820	1959-60, 1962, 1964, 1966, 1969-73, 1977, 1985-90	10-26-90 12- 3-90 1-16-91 2-28-91 4-15-91 5-21-91 7- 9-91 8-15-91	136 502 4,000 13,300 19,100 3,600 728 506
07289730 Big Black River near Bentonla, MS	Mississippi River	Lat 32°36'10", long 90°21'46", In NW¼ sec.25, T.9 N., R.2 E., Choctaw Meridian, Yazoo County, Hydrologic Unit 08060202, on U.S. Highway 49, 2.5 mi south of Bentonla.	2,336	----	2-24-91	41,600
TANGIPAHOA RIVER BASIN						
07290230 Dye Branch at Wesson, MS	Bayou Pierre	Lat 31°42'40", long 90°42'12", In NW¼ NE¼ sec.33, T.9 N., R.8 E., Washington Meridian, Copiah County, Hydrologic Unit 08060203, on county road, at Wesson.	2.08	----	8-20-91	0.30
07375234 Tangipahoa River near McComb, MS	Gulf of Mexico	Lat 31°12'39", long 90°31'19", In NE¼ sec.20, T.3 N., R.7 E., Washington Meridian, Pike County, Hydrologic Unit 08070205, on State Highway 24, 3.1 mi southwest of McComb.	44.3	1986-90	11-13-90 12-12-90 1- 8-91	17.2 18.7 45.2
07375238 Tangipahoa River near Magnolia, MS	Gulf of Mexico	Lat 31°08'38", long 90°31'04", In NE¼ sec. 17, T.2 N., R.7 E., Washington Meridian, Pike County, Hydrologic Unit 08070205, on County Road 2.5 miles west of Magnolia.	66.9	1942, 1953-55 1990	11-13-90 12-12-90 1- 7-90	44.2 166 140

Discharge measurements made at special study and miscellaneous sites during water year 1991

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
TANGIPAHOA RIVER BASIN--Continued						
07375240 Tangipahoa River south of Magnolia, MS	Gulf of Mexico	Lat 31°06'46", long 90°28'45", In NW¼ sec. 26, T.2 N., R.7 E., Washington Meridian, Pike County, Hydrologic Unit 08070205, on U.S. Highway 51, 1.5 miles south of Magnolia.	79.6	1952 1990	11-13-90 12-12-90 1- 7-91	54.8 167 158
07375243 Little Tangipahoa River near Fernwood, MS	Tangipahoa River	Lat 31°12'13", long 90°27'26", In NW¼ sec. 25, T.3 N., R.7 E., Washington Meridian, Pike County, Hydrologic Unit 08070205, on County Road, 1.2 mi north of Fernwood.	11.6	1977-78 1990	11-13-90 12-12-90 1- 8-91	1.28 1.87 2.36
07375246 Town Creek near Fernwood, MS	Little Tangipahoa River	Lat 31°12'13", long 90°27'05", In NE¼ sec. 25, T.3 N., R.7 E., Washington Meridian, Pike County, Hydrologic Unit 08070205, on County Road, 1.2 miles north of Fernwood.	7.18	1977 1990	11-13-90 12-12-90 1- 8-91	5.08 6.57 8.13
07375247 Little Tangipahoa River at Fernwood, MS	Tangipahoa River	Lat 31°11'16", long 90°26'38", In NW¼ sec.31., T.3 N., R.8 E., Washington Meridian, Pike County, Hydrologic Unit 08070205, on county road, 0.5 mi northeast of Fernwood.	21.6	1942, 1953-55, 1967, 1977-78, 1988 1990	10-12-90 11-13-90 12-12-90 1- 8-91	7.76 7.29 10.6 15.1
07375250 Little Tangipahoa River at Magnolia, MS	Tangipahoa River	Lat 31°8'31", long 90°27'21", In NW¼ sec.13, T.2 N., R.7 E., Washington Meridian, Pike County, Hydrologic Unit 08070205, on U.S. Highway 48, in Magnolia.	39.8	1942-43, 1952-56, 1958, 1962, 1964-65, 1967, 1971, 1977, 1988, 1990	11-13-90 12-12-90 1- 7-91	19.8 22.8 47.7
07375260 Minnehaha Creek at Magnolia, MS	Tangipahoa River	Lat 31°8'31", long 90°27'46", In NW¼ sec.13, T.2 N., R.7 E., Washington Meridian, Pike County, Hydrologic Unit 08070205, on U.S. Highway 51, 0.5 mi south of Magnolia.	6.28	1942, 1953-55, 1958, 1967, 1988, 1990	10-12-90 11-13-90 12-12-90 1- 7-91	3.81 4.23 3.44 6.51
07375270 Tangipahoa River at Chatawa, MS	Gulf of Mexico	Lat 31°03'37", long 90°28'16", In SE¼ sec. 11, T.1 N., R.7 E., Washington Meridian, Pike County, Hydrologic Unit 08070205, on County Road, at Chatawa.	145	1990	11-13-90 12-12-90 1- 7-91	108 203 280
07375280 Tangipahoa River at Osyka, MS	Gulf of Mexico	Lat 31°00'43", long 90°27'40", In NW¼ sec. 36, T.1 N., R7 E., Washington Meridian, Pike County, Hydrologic Unit 08070205, on State Highway 584, 0.1 miles northeast of Osyka.	157	1976 1990	11-13-90 12-12-90 1- 7-91	135 252 298
07375287 Bala Chitto Creek at Osyka, MS	Tangipahoa River	Lat 31°00'16", long 90°26'55", In SE¼ sec. 36, T.1 N., R.7 E., Washington Meridian, Pike County, Hydrologic Unit 08070205, on County Road, 0.9 miles east of Osyka.	59.0	1990	10-12-90 11-13-90 12-12-90 1- 7-91	23.4 23.2 29.0 44.8
07375290 Tangipahoa River near Greenlaw, LA	Gulf of Mexico	Lat 30°58'48", long 90°27'39", In SW¼ sec. 54, T.1 S., R.7 E., Washington Meridian, Tangipahoa Parish, Hydrologic Unit 08070205, on State Highway 1054, 1.5 miles east of Greenlaw, LA.	220	1990	11-13-90 12-12-90 1- 7-90 3- 4-91 5- 6-91 7- 8-91 9- 9-91	165 327 280 660 2,120 647 501
07375305 Terrys Creek near Osyka, MS	Tangipahoa River	Lat 31°00'55", long 90°31'35", In SW¼ sec. 29, T.1 N., R.7 E., Washington Meridian, Pike County, Hydrologic Unit 08070205, on State Highway 584, 2.8 miles west of Osyka.	24.1	1990	11-13-90 12-12-90 1- 7-91	9.80 10.5 19.6

Water-quality partial-record stations and miscellaneous sites are locations where chemical-quality, biological, and (or) sediment data are collected once only, intermittently, or systematically but on limited frequency over a period of years for use in hydrologic analyses.

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

MOBILE RIVER BASIN

02430690

- TWENTYMILE CREEK NR MANTACHIE, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
OCT 02...	1155	1.8	22	0.11	APR 23...	1045	169	32	15
DEC 11...	1055	11	32	0.95	JUN 03...	1645	161	45	20
JAN 29...	0820	80	16	3.5	SEP 04...	1345	4.9	29	0.38

02431410

- MANTACHIE CREEK BL DORSEY, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 02...	1425	3.4	39	0.36	--
NOV 06...	1210	5.4	26	0.38	--
DEC 11...	1310	14	35	1.3	--
DEC 18...	0850	145	463	181	98
JAN 29...	1045	45	41	5.0	--
FEB 05...	1820	129	416	145	83
FEB 05...	2100	304	903	741	69
FEB 06...	0030	402	685	743	59
FEB 06...	0700	347	363	340	72
FEB 06...	1110	290	232	182	82
FEB 19...	2050	7950	1540	33100	--
MAR 04...	1710	220	82	49	--
APR 18...	2055	1150	1150	3570	69
APR 18...	2140	1160	992	3110	64
APR 19...	0745	628	277	470	83
APR 19...	1100	501	202	273	--
APR 23...	1420	80	55	12	--
JUN 04...	0900	1280	590	2040	--
JUL 23...	1330	6.4	23	0.40	--
SEP 04...	1640	5.9	22	0.35	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

MOBILE RIVER BASIN--Continued

02437000 - TOMBIGBEE RIVER NR AMORY, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
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APR 24...	1025	3800	83	852
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02437500 - TOMBIGBEE RIVER AT ABERDEEN, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JAN 30...	1000	4020	63	684	--
FEB 19...	2220	97200	672	176000	--
21...	0020	113000	801	244000	--
21...	1250	96100	506	131000	--
21...	1720	86000	386	89600	--
22...	1015	46600	263	33100	--
MAR 05...	1555	7860	90	1910	--
APR 24...	1450	4620	70	873	--
29...	1530	53800	351	51000	--
29...	2345	62100	387	64900	76
30...	1610	64600	276	48100	81
30...	2300	61600	255	42400	80
MAY 01...	1130	46500	176	22100	--
JUN 04...	1300	8440	60	1370	--

02441400 - TOMBIGBEE RIVER NR COLUMBUS, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
JAN 31...	0840	7240	22	430	APR 25...	1150	8200	31	686
MAR 06...	0940	23400	80	5050	JUN 05...	0915	13300	39	1400

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

MISSISSIPPI RIVER MAIN STEM

07265455 MISSISSIPPI RIVER NEAR GREENVILLE, MS

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	ALKA- LINITY LAB (MG/L CACO3) (90410)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)
AUG 29...	1400	407	8.1	28.0	8.8	136	18	244	0.800	76

YAZOO RIVER BASIN

07279900 COLDWATER RIVER NEAR DARLING, MS

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	ALKA- LINITY LAB (MG/L CACO3) (90410)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)
AUG 29...	0930	94	7.2	27.5	7.6	39	2.4	54	0.160	14

07288350 BIG SUNFLOWER RIVER NEAR RULEVILLE, MS

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	ALKA- LINITY LAB (MG/L CACO3) (90410)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)
AUG 29...	1200	479	8.1	28.5	7.9	240	10	302	0.530	12

Short-term water-quality studies were conducted on selected stream reaches and estuaries to collect water-quality data for use in hydrologic analysis. Data for estuary studies generally are collected once or twice daily at near high and near low tides.

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

PASCAGOULA RIVER BASIN

PASCAGOULA AND ESCATAWPA RIVERS STUDY

302954088344000 PASCAGOULA RIVER AT MI 14

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
AUG						
06...	1811	1.00	79	6.9	30.0	6.0
06...	1812	5.00	80	6.8	30.0	5.9
06...	1813	10.0	79	6.8	30.0	6.0
06...	1814	12.0	79	6.8	30.0	6.0
07...	1121	1.00	80	--	29.5	--
07...	1122	5.00	80	--	29.5	--
07...	1123	10.0	80	--	29.5	--
07...	1124	11.0	79	--	29.5	--

DATE	TIME	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
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AUG			
06...	1810	K10	K20
07...	1120	K46	K42

02479341 PASCAGOULA RIVER AT MI 13 NR COLL TOWN, MS

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
AUG						
06...	1800	1.00	81	7.0	30.0	6.0
06...	1801	5.00	82	6.9	30.0	5.9
06...	1802	10.0	84	6.8	30.0	5.9
07...	1110	1.00	256	--	29.5	--
07...	1111	5.00	481	--	29.5	--
07...	1112	10.0	1650	--	29.5	--
07...	1113	11.0	2220	--	29.5	--

02479342 PASCAGOULA RIVER AT MI 12 NR COLL TOWN, MS

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
AUG						
06...	1750	1.00	661	6.8	30.0	5.7
06...	1751	5.00	1260	6.7	30.0	5.5
06...	1752	10.0	2810	6.6	30.0	5.1
06...	1753	15.0	30100	6.8	28.5	0.3
06...	1754	20.0	31800	7.0	28.5	0.1
06...	1755	25.0	34200	7.0	28.0	<0.1
07...	1100	1.00	796	--	30.0	--
07...	1101	5.00	1050	--	29.5	--
07...	1102	10.0	16300	--	29.5	--
07...	1103	15.0	23400	--	29.0	--
07...	1104	20.0	29500	--	28.5	--
07...	1105	24.0	30800	--	28.5	--

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

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PASCAGOULA RIVER BASIN--Continued

PASCAGOULA AND ESCATAWPA RIVERS STUDY--Continued

302822088332500 PASCAGOULA RIVER AT MI 11

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
AUG						
06...	1740	1.00	1230	6.8	30.0	5.6
06...	1741	5.00	1610	6.8	30.0	5.5
06...	1742	10.0	5760	6.6	29.5	4.5
06...	1743	14.0	27000	6.8	28.5	0.4
07...	1050	1.00	690	--	30.0	--
07...	1051	5.00	915	--	30.0	--
07...	1052	10.0	13800	--	29.5	--
07...	1053	15.0	25000	--	29.0	--
07...	1054	16.0	25000	--	29.0	--

302725088333700 PASCAGOULA RIVER AT MI 10

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
AUG						
06...	1730	1.00	1920	6.8	30.0	5.5
06...	1731	5.00	2300	6.8	30.0	5.3
06...	1732	10.0	5500	6.7	29.5	3.8
06...	1733	15.0	28400	6.8	28.5	0.4
07...	1040	1.00	1030	--	30.0	--
07...	1041	5.00	1850	--	29.5	--
07...	1042	10.0	15100	--	29.5	--
07...	1043	15.0	25600	--	29.0	--
07...	1044	19.0	27200	--	29.0	--

302648088340600 PASCAGOULA RIVER AT MI 9

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
AUG						
06...	1720	1.00	3190	6.8	30.0	5.4
06...	1721	5.00	3310	6.8	30.0	5.4
06...	1722	10.0	5250	6.8	30.0	4.9
06...	1723	15.0	29900	6.9	29.0	0.6
06...	1724	17.0	31200	7.0	29.0	0.5
07...	1030	1.00	1790	--	30.0	--
07...	1031	5.00	3330	--	29.5	--
07...	1032	10.0	11200	--	29.5	--
07...	1033	15.0	27800	--	29.0	--

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

PASCAGOULA RIVER BASIN--Continued

PASCAGOULA AND ESCATAWPA RIVERS STUDY--Continued

02479343 PASCAGOULA RIVER AT MI 8 NR ESCATAWPA, MS

				SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)		
AUG										
		06...	1711	1.00	3710	7.1	30.0	5.5		
		06...	1712	5.00	4500	7.0	30.0	5.2		
		06...	1713	10.0	16000	6.9	29.5	2.8		
		06...	1714	15.0	30800	7.1	29.0	0.8		
		06...	1715	20.0	36000	7.3	29.0	0.7		
		06...	1716	21.0	36200	7.4	28.5	0.6		
		07...	0946	1.00	2480	--	29.5	--		
		07...	0947	5.00	10100	--	29.5	--		
		07...	0948	10.0	26100	--	29.0	--		
		07...	0949	15.0	34600	--	29.0	--		
		07...	0950	20.0	36300	--	29.0	--		
DATE	TIME	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS ORTHOPHOS- PHATE TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	
AUG										
06...	1710	370	250	0.010	0.180	0.180	0.76	0.130	0.030	2.2
07...	0945	800	350	0.010	0.270	0.060	0.48	0.080	0.020	3.1

302526088333600 PASCAGOULA RIVER AT MI 7

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
AUG						
06...	1700	1.00	5000	7.2	30.0	5.3
06...	1701	5.00	7690	7.0	30.0	4.8
06...	1702	10.0	14900	7.0	29.5	3.6
06...	1703	12.0	26000	7.0	29.0	1.9
07...	0935	1.00	3630	--	30.0	--
07...	0936	5.00	10600	--	29.0	--
07...	0937	10.0	36800	--	29.0	--
07...	0938	15.0	40000	--	29.0	--

02480183 ESCATAWPA RIVER AT MI 9 NR MOSS POINT, MS

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
AUG						
07...	1201	1.00	49	5.8	28.0	6.9
07...	1202	5.00	49	5.6	27.5	6.3
07...	1203	10.0	49	5.6	28.0	6.2
07...	1204	15.0	48	5.6	28.0	6.0
07...	1205	20.0	48	5.6	28.0	6.0
07...	1206	25.0	47	5.6	27.5	6.0
07...	1207	30.0	47	5.5	27.5	6.0

		COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
DATE	TIME		
AUG 07...	1200	550	K54

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

PASCAGOULA RIVER BASIN--Continued

PASCAGOULA AND ESCATAWPA RIVERS STUDY--Continued

02480184 ESCATAWPA RIVER AT MI 8 NR MOSS POINT, MS

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
AUG						
06...	1931	1.00	48	5.8	28.0	6.6
06...	1932	5.00	47	5.6	28.0	6.3
06...	1933	10.0	45	5.8	28.0	6.2
06...	1934	15.0	44	5.4	28.0	6.1
07...	1145	1.00	57	6.3	28.0	6.6
07...	1146	5.00	54	6.0	27.5	6.3
07...	1147	10.0	175	5.9	27.5	6.0
07...	1148	15.0	3240	5.9	28.0	5.1
07...	1149	20.0	4610	6.0	29.0	4.8

DATE	TIME	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOC FECAL, KF AGAR (COLS. PER 100 ML) (31673)
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AUG			
06...	1930	180	130

302541088290100 ESCATAWPA RIVER AT MI 7

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
AUG						
06...	1916	1.00	835	5.9	28.0	6.2
06...	1917	5.00	820	5.8	28.0	6.1
06...	1918	10.0	783	5.7	28.0	6.1
06...	1919	15.0	809	5.7	28.0	6.0
06...	1920	20.0	814	5.7	28.0	5.9
06...	1921	25.0	795	5.7	28.0	5.9
06...	1922	30.0	798	5.7	28.0	5.9
06...	1923	35.0	830	5.6	28.0	6.0
07...	1131	1.00	1490	6.4	28.5	6.4
07...	1132	5.00	1720	6.2	28.5	6.0
07...	1133	10.0	1860	6.2	28.5	5.9
07...	1134	15.0	9500	6.3	28.5	4.0
07...	1135	20.0	17000	6.5	28.5	2.6
07...	1136	25.0	18000	6.6	28.5	2.2
07...	1137	30.0	18400	6.6	28.5	2.2
07...	1138	35.0	18600	6.7	28.5	2.2

DATE	TIME	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
AUG								
06...	1915	0.010	0.230	0.070	0.76	0.030	0.010	4.6
07...	1130	0.010	0.150	0.170	0.48	0.040	0.010	4.1

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

PASCAGOULA RIVER BASIN--Continued

PASCAGOULA AND ESCATAWPA RIVERS STUDY--Continued

302512088292200 ESCATAWPA RIVER AT MI 6

DATE	TIME	SAM- PLING DEPTH (FEET) (000003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (000095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
AUG						
06...	1855	1.00	1970	6.3	28.5	6.8
06...	1856	5.00	2340	6.1	28.5	6.0
06...	1857	10.0	2610	6.0	28.5	5.9
06...	1858	15.0	3760	6.0	28.5	5.5
06...	1859	19.0	6000	6.2	28.5	5.1
07...	1115	1.00	2200	6.4	28.5	8.0
07...	1116	5.00	3350	6.2	28.5	6.1
07...	1117	10.0	10500	6.4	28.5	4.0
07...	1118	15.0	18200	6.6	29.0	3.2
07...	1119	20.0	22700	6.8	29.0	2.5

302515088301300 ESCATAWPA RIVER AT MI 5

DATE	TIME	SAM- PLING DEPTH (FEET) (000003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (000095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
AUG						
06...	1846	1.00	4700	6.4	28.5	6.3
06...	1847	5.00	5130	6.3	28.5	5.4
06...	1848	10.0	5280	6.2	28.5	5.2
06...	1849	15.0	6540	6.3	28.5	4.9
06...	1850	20.0	18000	6.6	25.5	1.8
07...	1101	1.00	2430	6.6	28.5	7.0
07...	1102	5.00	3760	6.4	28.5	6.0
07...	1103	10.0	12600	6.5	28.5	3.7
07...	1104	15.0	24100	6.9	29.0	3.5
07...	1105	20.0	25700	7.0	29.0	2.3
07...	1106	25.0	26200	7.0	29.0	2.2

DATE	TIME	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
AUG								
06...	1845	0.010	0.170	0.090	0.48	0.020	0.010	3.6
07...	1100	0.010	0.170	0.120	0.64	0.060	0.020	3.7

302528088304400 ESCATAWPA RIVER AT MI 4

DATE	TIME	SAM- PLING DEPTH (FEET) (000003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (000095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
AUG						
06...	1825	1.00	5950	6.6	29.0	7.2
06...	1826	5.00	6580	6.4	29.0	5.6
06...	1827	10.0	7200	6.4	29.0	5.3
06...	1828	15.0	8400	6.5	29.0	4.9
06...	1829	20.0	24500	6.8	28.5	1.8
07...	1045	1.00	4400	6.6	28.5	7.1
07...	1046	5.00	5230	6.4	28.5	5.5
07...	1047	10.0	16300	6.6	28.5	3.2
07...	1048	15.0	26200	7.0	29.0	2.6
07...	1049	20.0	27000	7.0	29.0	2.4
07...	1050	25.0	27600	7.0	29.0	2.3

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

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PASCAGOULA RIVER BASIN--Continued

PASCAGOULA AND ESCATAWPA RIVERS STUDY--Continued

302455088313100 ESCATAWPA RIVER AT MI 3

		SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)					PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
DATE	TIME	SAM- PLING DEPTH (FEET) (00003)							
AUG									
06...	1816	1.00	9300	6.6	29.0	5.3			
06...	1817	5.00	9590	6.6	29.0	4.9			
06...	1818	10.0	12800	6.6	29.0	4.3			
06...	1819	15.0	24900	6.9	29.0	1.7			
06...	1820	20.0	35800	7.2	29.0	1.5			
06...	1821	24.0	41200	7.2	28.0	1.4			
07...	1031	1.00	7780	7.0	29.0	7.0			
07...	1032	5.00	11800	6.7	29.0	4.3			
07...	1033	10.0	22400	6.8	29.0	3.0			
07...	1034	15.0	30500	7.1	29.0	2.2			
07...	1035	20.0	32600	7.1	29.0	1.7			
07...	1036	25.0	39300	7.2	28.5	1.5			
		NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	
AUG									
06...	1815	0.010	0.110	0.250	0.78	0.070	0.040	3.3	
07...	1030	0.010	0.120	0.190	0.80	0.110	0.050	4.0	

302459088320800 ESCATAWPA RIVER AT MI 2

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
AUG						
06...	1800	1.00	10400	6.8	30.0	6.5
06...	1801	5.00	11900	6.7	29.5	5.2
06...	1802	10.0	12400	6.7	29.0	4.5
06...	1803	15.0	24000	6.8	29.0	2.2
06...	1804	20.0	34500	7.2	28.5	1.5
06...	1805	25.0	38400	7.4	28.5	1.7
07...	1015	1.00	8260	6.8	29.0	7.2
07...	1016	5.00	11100	6.7	29.0	5.2
07...	1017	10.0	22600	7.0	29.5	3.3
07...	1018	15.0	33300	7.4	29.0	2.5
07...	1019	20.0	35500	7.4	29.0	2.5
07...	1020	25.0	36500	7.4	29.0	2.3

02480207 ESCATAWPA RIVER AT MOSS POINT, MS

		SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
DATE	TIME					
AUG						
06...	1731	1.00	9300	7.1	30.0	8.6
06...	1732	5.00	10100	6.8	30.0	6.6
06...	1733	10.0	12000	6.8	29.5	5.2
06...	1734	15.0	18000	6.8	29.0	3.2
06...	1735	20.0	32400	7.2	29.0	1.6
07...	1001	1.00	8550	6.8	29.5	6.6
07...	1002	5.00	11300	6.7	29.5	5.1
07...	1003	10.0	18800	6.9	29.5	4.4
07...	1004	15.0	34500	7.4	29.0	2.9
07...	1005	20.0	38800	7.6	29.0	2.7
07...	1006	25.0	39000	7.6	29.0	2.7

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
 WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
 PASCAGOULA RIVER BASIN--Continued
 PASCAGOULA AND ESCATAWPA RIVERS STUDY--Continued
 02480207 ESCATAWPA RIVER AT MOSS POINT, MS--Continued

DATE	TIME	TUR- BID- ITY (NTU) (00076)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)
AUG 06...	1730	0.69	110	340	3000	120	740	5200	0.30	10300	30
DATE	ARSENIC TOTAL (UG/L AS AS) (01002)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CR) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	
AUG 06...	2	<10	<1	1	7	<1	<0.10	<1	<1	60	
DATE	ACE- NAPHTH- ENE TOTAL (UG/L) (34205)	ACE- NAPHTH- YLENE TOTAL (UG/L) (34200)	ANTHRA- CENE TOTAL (UG/L) (34220)	BENZO A ANTHRAC- ENE1,2- BENZANT HRACENE TOTAL (UG/L) (34526)	BENZO B FLUOR- AN- THENE TOTAL (UG/L) (34230)	BENZO K FLUOR- AN- THENE TOTAL (UG/L) (34242)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE TOTAL (UG/L) (34521)	BENZO- A- PYRENE TOTAL (UG/L) (34247)	4- BROMO- PHENYL ETHER TOTAL (UG/L) (34636)	N-BUTYL BENZYL PHTHAL- ATE TOTAL (UG/L) (34292)	BIS (2- CHLORO- ETHOXY) METHANE TOTAL (UG/L) (34278)
AUG 06...	<5.0	<5.0	<5.0	<40.0	<10.0	<10.0	<10.0	<10.0	<5.0	<5.0	<5.0
DATE	BIS 2- CHLORO- ETHYL ETHER TOTAL (UG/L) (34273)	BIS (2- CHLORO- ISO- PROPYL) ETHER TOTAL (UG/L) (34283)	2- CHLORO- NAPH- THALENE TOTAL (UG/L) (34581)	4- CHLORO- PHENYL ETHER TOTAL (UG/L) (34641)	1,2,5,6 -DIBENZ -ANTHRA CENE TOTAL (UG/L) (34320)	1,2-DI- CHLORO- BENZENE TOTAL (UG/L) (34536)	1,3-DI- CHLORO- BENZENE TOTAL (UG/L) (34566)	1,4-DI- CHLORO- BENZENE TOTAL (UG/L) (34571)	3,3'- DI- CHLORO- BENZ- DINE TOTAL (UG/L) (34631)	DIETHYL PHTHAL- ATE TOTAL (UG/L) (34336)	DI- METHYL PHTHAL- ATE TOTAL (UG/L) (34341)
AUG 06...	<5.0	<5.0	<5.0	<5.0	<10.0	<10.0	<5.0	<5.0	<5.0	<20.0	<5.0
DATE	DI-N- BUTYL PHTHAL- ATE TOTAL (UG/L) (39110)	2,4-DI- NITRO- TOLUENE TOTAL (UG/L) (34611)	2,6-DI- NITRO- TOLUENE TOTAL (UG/L) (34626)	DI-N- OCTYL PHTHAL- ATE TOTAL (UG/L) (34596)	BIS (2- ETHYL HEXYL) PHTHAL- ATE TOTAL (UG/L) (39100)	1,2-DI- PHENYL- HYDRA- ZINE WATER TOT.REC (UG/L) (82626)	FLUOR- ANTHENE TOTAL (UG/L) (34376)	FLUOR- ENE TOTAL (UG/L) (34381)	HEXA- CHLORO- BUT- ADIENE TOTAL (UG/L) (39700)	HEXA- CHLORO- BUT- ADIENE TOTAL (UG/L) (39702)	HEXA- CHLORO- CYCLO- PENT- ADIENE TOTAL (UG/L) (34386)
AUG 06...	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
DATE	HEXA- CHLORO- ETHANE TOTAL (UG/L) (34396)	INDENO (1,2,3- CD) PYRENE TOTAL (UG/L) (34403)	ISO- PHORONE TOTAL (UG/L) (34408)	NAPHTH- ALENE TOTAL (UG/L) (34696)	NITRO- BENZENE TOTAL (UG/L) (34447)	N-NITRO -SODI- METHY- LAMINE TOTAL (UG/L) (34438)	N-NITRO -SODI- PHENY- LAMINE TOTAL (UG/L) (34433)	N- NITRO- SODI-N- PROPYL- AMINE TOTAL (UG/L) (34428)	PHENAN- THRENE TOTAL (UG/L) (34461)	PYRENE TOTAL (UG/L) (34469)	1,2,4- TRI- CHLORO- BENZENE TOTAL (UG/L) (34551)
AUG 06...	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
DATE	2- CHLORO- PHENOL TOTAL (UG/L) (34586)	2,4-DI- CHLORO- PHENOL TOTAL (UG/L) (34601)	2,4-DI- METHYL- PHENOL TOTAL (UG/L) (34606)	4,6- DINITRO -ORTHO- CRESOL TOTAL (UG/L) (34657)	2,4- DI- NITRO- PHENOL TOTAL (UG/L) (34616)	2- NITRO- PHENOL TOTAL (UG/L) (34591)	4- NITRO- PHENOL TOTAL (UG/L) (34646)	PARA- CHLORO- META CRESOL TOTAL (UG/L) (34452)	PENTA- CHLORO- PHENOL TOTAL (UG/L) (39032)	PHENOL (C6H- 5OH) TOTAL (UG/L) (34694)	2,4,6- TRI- CHLORO- PHENOL TOTAL (UG/L) (34621)
AUG 06...	<5.0	<5.0	<5.0	<30.0	<20.0	<5.0	<30.0	<30.0	<30.0	<5.0	<20.0

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

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PASCAGOULA RIVER BASIN--Continued

PASCAGOULA AND ESCATAWPA RIVERS STUDY--Continued

02480208 ESCATAWPA RIVER AT MI 0 NR ESCATAWPA, MS

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
AUG						
06...	1700	1.00	9380	7.3	30.5	8.0
06...	1701	5.00	11500	7.0	30.0	6.0
06...	1703	15.0	13400	6.9	29.5	4.4
06...	1704	20.0	19200	6.9	29.0	3.5
06...	1705	25.0	29400	7.2	29.0	2.2
07...	0945	1.00	9250	7.0	29.5	7.1
07...	0946	5.00	15600	6.9	29.5	5.2
07...	0947	10.0	24600	7.2	29.5	4.5
07...	0948	15.0	39200	7.6	29.5	3.4
07...	0949	20.0	40200	7.6	29.0	3.1
07...	0950	25.0	40500	7.6	29.0	3.0

302507088342800 PASCAGOULA RIVER AT MI 6

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
AUG						
06...	1651	1.00	8340	7.1	30.0	5.3
06...	1652	5.00	10000	7.0	30.0	5.3
06...	1653	10.0	24300	7.1	29.0	2.0
06...	1654	15.0	29400	7.2	29.0	1.3
06...	1655	18.0	32900	7.3	29.0	0.8
07...	0926	1.00	10300	7.0	29.5	6.1
07...	0927	5.00	18400	7.1	29.5	5.6
07...	0928	10.0	38600	7.7	29.5	4.3
07...	0929	15.0	41600	7.6	29.0	3.1
07...	0930	16.0	41700	7.6	29.0	2.9

DATE	TIME	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
AUG								
06...	1650	0.010	0.110	0.190	0.68	0.080	0.040	2.1
07...	0925	0.010	0.140	0.090	0.65	0.060	0.020	2.3

302430088350400 PASCAGOULA RIVER AT MI 5

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
AUG						
06...	1640	1.00	8500	7.2	30.0	6.1
06...	1641	5.00	14900	7.1	29.5	4.5
06...	1642	10.0	27900	7.2	29.0	2.1
07...	0915	1.00	16400	7.2	29.5	5.5
07...	0916	5.00	28300	7.6	29.5	5.2
07...	0917	10.0	41800	7.7	29.5	3.3
07...	0918	14.0	42400	7.7	29.0	2.7

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

PASCAGOULA RIVER BASIN--Continued

PASCAGOULA AND ESCATAWPA RIVERS STUDY--Continued

302345088343800 PASCAGOULA RIVER AT MI 4

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	
AUG							
06...	1631	1.00	12300	7.1	30.0	5.0	
06...	1632	5.00	15000	7.0	29.5	4.4	
06...	1633	10.0	19900	7.2	29.5	3.5	
06...	1634	15.0	28800	7.2	29.0	2.1	
07...	0901	1.00	30600	7.7	29.0	5.5	
07...	0902	5.00	34000	7.8	29.0	5.2	
07...	0903	10.0	41000	7.8	29.0	4.4	
07...	0904	15.0	43200	7.8	29.0	3.5	
07...	0905	20.0	44100	7.8	29.0	3.1	
07...	0906	22.0	44200	7.8	29.0	3.0	
DATE	TIME	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS ORTHOPHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
AUG							
06...	1630	0.010	0.120	0.150	0.72	0.110	0.030
07...	0900	0.010	0.040	0.120	0.60	0.090	0.050

302319088335400 PASCAGOULA RIVER AT MI 3

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	
AUG							
06...	1615	1.00	16400	7.2	30.0	5.0	
06...	1616	5.00	16500	7.2	30.0	4.9	
06...	1617	10.0	16600	7.1	30.0	4.9	
06...	1618	15.0	24300	7.2	29.5	3.5	
06...	1619	20.0	30000	7.3	29.5	2.8	
06...	1620	25.0	32800	7.4	29.0	2.4	
06...	1621	30.0	33300	7.4	29.0	2.2	
06...	1622	35.0	34000	7.4	29.0	2.2	
06...	1623	37.0	34000	7.4	29.0	2.1	
07...	0845	1.00	35900	7.7	29.0	6.0	
07...	0846	5.00	37900	7.8	29.0	5.5	
07...	0847	10.0	41200	7.8	29.0	4.5	
07...	0848	15.0	44700	7.8	29.0	3.2	
07...	0849	20.0	45000	7.8	28.5	3.0	
07...	0850	25.0	45200	7.8	28.5	2.8	
07...	0851	30.0	45500	7.8	28.5	2.7	
07...	0852	33.0	45600	7.8	28.5	2.6	

02480210 PASCAGOULA RIVER AT HWY 90 AT PASCAGOULA, MS

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	
AUG							
06...	1601	1.00	20500	7.3	30.0	5.1	
06...	1602	5.00	21500	7.3	29.5	4.9	
06...	1603	10.0	22600	7.3	29.5	4.9	
06...	1604	15.0	24200	7.3	29.5	4.3	
06...	1605	20.0	29000	7.4	29.5	3.7	
06...	1606	23.0	32400	7.5	29.5	2.9	
07...	0831	1.00	36500	7.7	29.5	5.7	
07...	0832	5.00	39600	7.8	29.5	4.8	
07...	0833	10.0	43200	7.9	29.5	3.9	
07...	0834	15.0	45500	7.7	29.0	2.9	
07...	0835	20.0	46300	7.7	28.5	2.7	
07...	0836	21.0	46300	7.7	28.5	2.7	

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

PASCAGOULA RIVER BASIN--Continued

PASCAGOULA AND ESCATAWPA RIVERS STUDY--Continued

02480210 PASCAGOULA RIVER AT HWY 90 AT PASCAGOULA, MS--Continued

DATE	TIME	TUR- BID- ITY (NTU) (00076)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	
AUG 06...	1600	6.6	180	600	5200	200	1300	9100	0.50	17700	31	
DATE	TIME	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)		
AUG 06...		2	<10	<1	1	2	<1	<0.10	<1	<1	30	
DATE	TIME	ACE- NAPHTH- ENE TOTAL (UG/L) (34205)	ACE- NAPHTH- YLENE TOTAL (UG/L) (34200)	ANTHRA- CENE TOTAL (UG/L) (34220)	BENZO A ANTHRAC- ENE1, 2- BENZANT HRACENE TOTAL (UG/L) (34526)	BENZO B FLUOR- AN- THENE TOTAL (UG/L) (34230)	BENZO K FLUOR- AN- THENE TOTAL (UG/L) (34242)	BENZOGH I PERYL ENE1, 12 -BENZOP ERYLENE TOTAL (UG/L) (34521)	BENZO- A- PYRENE TOTAL (UG/L) (34247)	4- BROMO- PHENYL ETHER TOTAL (UG/L) (34636)	N-BUTYL BENZYL PHTHAL- ATE TOTAL (UG/L) (34292)	BIS (2- CHLORO- ETHOXY) METHANE TOTAL (UG/L) (34278)
AUG 06...	<5.0	<5.0	<5.0	<40.0	<10.0	<10.0	<10.0	<10.0	<10.0	<5.0	<5.0	<5.0
DATE	TIME	BIS (2- CHLORO- ETHYL ETHER TOTAL (UG/L) (34273)	BIS (2- CHLORO- ISO- PROPYL) ETHER TOTAL (UG/L) (34283)	2- CHLORO- NAPH- THALENE TOTAL (UG/L) (34581)	4- CHLORO- PHENYL ETHER TOTAL (UG/L) (34641)	1,2,5,6 -DIBENZ -ANTHRA -CENE TOTAL (UG/L) (34556)	1,2-DI- CHLORO- BENZENE TOTAL (UG/L) (34536)	1,3-DI- CHLORO- BENZENE TOTAL (UG/L) (34566)	1,4-DI- CHLORO- BENZENE TOTAL (UG/L) (34571)	3,3'- DI- CHLORO- BENZI- DINE TOTAL (UG/L) (34631)	DIETHYL PHTHAL- ATE TOTAL (UG/L) (34336)	DI- METHYL PHTHAL- ATE TOTAL (UG/L) (34341)
AUG 06...	<5.0	<5.0	<5.0	<5.0	<10.0	<10.0	<5.0	<5.0	<5.0	<20.0	<5.0	<5.0
DATE	TIME	DI-N- BUTYL PHTHAL- ATE TOTAL (UG/L) (39110)	2,4-DI- NITRO- TOLUENE TOTAL (UG/L) (34611)	2,6-DI- NITRO- TOLUENE TOTAL (UG/L) (34626)	DI-N- OCTYL PHTHAL- ATE TOTAL (UG/L) (34596)	BIS(2- ETHYL HEXYL) PHTHAL- ATE TOTAL (UG/L) (39100)	1,2-DI- PHENYL- HYDRA- ZINE WATER TOT.REC (UG/L) (82626)	FLUOR- ANTHENE TOTAL (UG/L) (34376)	FLUOR- ENE TOTAL (UG/L) (34381)	HEXA- CHLORO- BUT- BENZENE TOTAL (UG/L) (39700)	HEXA- CHLORO- BUT- ADIENE TOTAL (UG/L) (39702)	HEXA- CHLORO- CYCLO- PENT- ADIENE TOTAL (UG/L) (34386)
AUG 06...	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
DATE	TIME	HEXA- CHLORO- ETHANE TOTAL (UG/L) (34396)	INDENO (1,2,3- CD) PYRENE TOTAL (UG/L) (34403)	ISO- PHORONE TOTAL (UG/L) (34408)	NAPHTH- ALENE TOTAL (UG/L) (34696)	NITRO- BENZENE TOTAL (UG/L) (34447)	N-NITRO -SODI- METHY- LAMINE TOTAL (UG/L) (34438)	N-NITRO -SODI- PHENY- LAMINE TOTAL (UG/L) (34433)	N- NITRO- SODI-N- PROPYL- AMINE TOTAL (UG/L) (34428)	PHENAN- THRENE TOTAL (UG/L) (34461)	PYRENE TOTAL (UG/L) (34469)	1,2,4- TRI- CHLORO- BENZENE TOTAL (UG/L) (34551)
AUG 06...	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
DATE	TIME	2- CHLORO- PHENOL TOTAL (UG/L) (34586)	2,4-DI- CHLORO- PHENOL TOTAL (UG/L) (34601)	2,4-DI- METHYL- PHENOL TOTAL (UG/L) (34606)	4,6- DINITRO -ORTHO- CRESOL TOTAL (UG/L) (34657)	2,4- DI- NITRO- PHENOL TOTAL (UG/L) (34616)	2- NITRO- PHENOL TOTAL (UG/L) (34591)	4- NITRO- PHENOL TOTAL (UG/L) (34646)	PARA- CHLORO- META CRESOL TOTAL (UG/L) (34452)	PENTA- CHLORO- PHENOL TOTAL (UG/L) (39032)	PHENOL (C6H- 5OH) TOTAL (UG/L) (34694)	2,4,6- TRI- CHLORO- PHENOL TOTAL (UG/L) (34621)
AUG 06...	<5.0	<5.0	<5.0	<30.0	<20.0	<5.0	<30.0	<30.0	<30.0	<5.0	<20.0	

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

PASCAGOULA RIVER BASIN--Continued

PASCAGOULA AND ESCATAWPA RIVERS STUDY--Continued

02480212 PASCAGOULA RIVER AT MI 1 AT PASCAGOULA, MS

DATE	TIME	SAM- PLING DEPTH (FEET) (000003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (000095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
AUG						
06...	1545	1.00	23700	7.4	29.5	5.1
06...	1546	5.00	25700	7.4	29.5	4.7
06...	1547	10.0	28900	7.4	29.5	3.8
06...	1548	15.0	38600	7.5	29.0	2.5
06...	1549	20.0	44100	7.6	28.5	1.6
06...	1550	25.0	47000	7.6	28.0	1.2
06...	1551	30.0	48700	7.6	27.5	0.6
06...	1552	35.0	49400	7.6	27.0	0.1
06...	1553	36.0	49400	7.6	27.0	0.1
07...	0815	1.00	33000	7.8	28.5	5.9
07...	0816	5.00	37500	7.8	29.5	5.1
07...	0817	10.0	41900	7.8	30.0	3.5
07...	0818	15.0	44200	7.8	29.5	2.4
07...	0819	20.0	47000	7.8	28.5	1.4
07...	0820	25.0	47600	7.8	28.5	1.0
07...	0821	30.0	48300	7.7	28.0	0.6
07...	0822	35.0	48500	7.8	28.0	0.4
07...	0823	39.0	48600	7.7	28.0	0.3

02480215 PASCAGOULA RIVER AT MI 0 AT PASCAGOULA, MS

DATE	TIME	SAM- PLING DEPTH (FEET) (000003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (000095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
AUG						
06...	1531	1.00	25900	7.3	29.5	5.0
06...	1532	5.00	29500	7.3	29.5	4.2
06...	1533	10.0	31800	7.4	29.5	3.6
06...	1534	15.0	38500	7.4	29.0	2.6
06...	1535	20.0	41300	7.5	29.0	2.2
06...	1536	25.0	47400	7.5	28.0	1.1
06...	1537	30.0	48900	7.5	27.5	0.3
06...	1538	35.0	49300	7.5	27.0	0.1
06...	1539	38.0	49500	7.5	27.0	<0.1
07...	0801	1.00	30800	7.6	28.5	5.9
07...	0802	5.00	36200	7.8	29.0	5.4
07...	0803	10.0	39500	7.8	30.0	5.0
07...	0804	15.0	43200	7.7	29.5	2.4
07...	0805	20.0	46300	7.7	28.5	1.1
07...	0806	25.0	47800	7.7	28.0	0.3
07...	0807	30.0	48400	7.7	28.0	0.5
07...	0808	35.0	48700	7.7	28.0	0.4
07...	0809	39.0	49100	7.7	27.5	0.1

DATE	TIME	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
AUG								
06...	1530	0.010	0.070	0.130	0.68	0.070	0.050	2.0
07...	0800	0.010	0.020	0.100	0.56	0.070	0.050	1.3

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

247

YAZOO RIVER BASIN
OTOUCALOFA CREEK DRAINAGE BASIN STUDY

07274235 - OTOUCALOFA CREEK NR PARIS, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOC- CI, FECAL, KF AGAR (COLS. PER 100 ML) (31673)
APR								
11...	1800	5.2	55	6.9	16.5	9.0	540	180
11...	2400	12	53	6.9	16.0	10.0	640	1100
12...	0600	12	53	7.6	16.0	8.5	K1400	1400
12...	1200	12	55	7.1	15.5	9.2	200	1100
12...	1800	32	51	7.0	16.0	9.2	K73	1800
12...	2400	49	49	6.2	16.0	8.8	K780	4900
13...	0600	39	48	6.6	15.0	9.2	K72	1600
13...	1200	28	52	6.3	16.0	9.2	280	440
13...	1800	23	54	6.2	18.0	8.8	K380	320
AUG								
20...	1200	0.28	68	7.4	20.0	8.8	520	280
20...	1800	0.28	67	7.3	21.0	8.8	2100	280
20...	2400	0.28	64	7.3	20.5	7.7	160	280
21...	0600	0.28	66	7.2	18.5	7.7	140	310
21...	1200	0.28	66	7.1	21.0	8.8	84	220
21...	1800	0.28	64	7.1	21.0	8.3	K40	370
21...	2400	0.28	63	7.1	20.0	7.8	150	480
22...	0600	0.28	67	7.2	18.5	7.8	100	560
22...	1200	0.28	64	7.1	21.0	8.0	K24	290

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
APR								
11...	<0.010	0.070	<0.010	0.040	0.020	2.8	26	0.37
11...	<0.010	0.080	0.010	0.070	0.030	3.1	--	--
12...	<0.010	0.060	0.010	0.040	0.030	3.4	30	0.97
12...	<0.010	0.070	0.010	0.040	0.020	3.6	26	0.84
12...	0.010	0.080	0.020	0.060	0.040	4.7	103	8.9
12...	0.010	0.100	0.030	0.070	0.050	6.2	941	124
13...	0.010	0.060	0.020	0.050	0.030	5.3	62	6.5
13...	<0.010	0.060	0.010	0.040	0.030	4.2	47	3.6
13...	0.010	0.060	0.010	0.040	0.020	3.8	34	2.1
AUG								
20...	0.010	0.030	0.010	0.040	0.010	3.4	20	0.02
20...	0.010	0.030	0.020	0.060	0.010	3.4	18	0.01
20...	0.010	0.030	0.020	0.030	0.010	3.4	28	0.02
21...	0.010	0.030	0.030	0.030	0.020	3.3	35	0.03
21...	0.010	0.020	0.020	0.040	0.020	3.2	17	0.01
21...	0.010	0.020	0.020	0.030	0.010	3.2	13	0.01
21...	0.010	0.020	0.020	0.030	0.010	3.4	17	0.01
22...	0.010	0.030	0.030	0.030	0.020	3.4	46	0.03
22...	0.010	0.030	0.020	0.030	0.010	3.3	15	0.01

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

YAZOO RIVER BASIN--Continued

OTOUCALOFA CREEK DRAINAGE BASIN STUDY--Continued

07274237

- OTOUCALOFA CREEK AT PARIS, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
APR								
11...	1820	22	51	6.9	17.0	9.0	240	230
12...	0030	50	49	6.9	16.0	9.0	620	980
12...	0630	48	49	7.4	15.0	9.0	2000	2000
12...	1220	40	50	7.0	16.0	9.3	160	820
12...	1830	107	52	7.0	16.0	8.7	120	3000
13...	0030	215	48	6.0	16.0	8.8	240	6200
13...	0630	118	46	6.6	15.0	9.1	160	1100
13...	1230	89	51	6.4	16.0	8.6	480	350
13...	1830	72	49	6.2	17.0	8.9	K330	380
AUG								
20...	1230	1.0	64	7.1	20.0	6.5	150	300
20...	1830	1.0	67	7.2	22.0	7.1	140	240
21...	0030	1.0	59	7.1	22.0	6.7	84	300
21...	0630	1.0	60	7.0	21.0	6.5	170	310
21...	1230	1.0	60	6.9	21.5	6.5	K70	310
21...	1830	1.0	61	7.1	20.5	7.3	K35	360
22...	0030	1.0	58	7.0	21.0	7.1	230	360
22...	0630	1.0	59	7.0	20.0	6.8	K290	350
22...	1230	1.0	60	7.0	21.0	6.4	K50	360

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
APR								
11...	<0.010	0.040	0.010	0.040	0.020	5.1	26	1.5
12...	<0.010	0.040	0.010	0.050	0.030	3.5	66	8.9
12...	<0.010	0.040	<0.010	0.080	0.030	3.8	52	6.7
12...	<0.010	0.030	0.010	0.040	0.030	3.8	34	3.7
12...	0.010	0.060	0.020	0.080	0.050	4.5	122	35
13...	0.010	0.040	0.020	0.070	0.050	6.2	108	63
13...	0.010	0.040	0.020	0.050	0.040	5.4	64	20
13...	<0.010	0.040	0.010	0.050	0.030	4.4	44	11
13...	<0.010	0.040	0.010	0.060	0.030	3.9	37	7.2
AUG								
20...	0.010	<0.020	0.030	0.050	0.030	2.4	54	0.15
20...	0.010	<0.020	0.020	0.040	0.020	2.6	28	0.08
21...	0.010	<0.020	0.020	0.040	0.020	2.5	33	0.09
21...	0.010	<0.020	0.030	0.040	0.030	2.4	31	0.08
21...	0.010	<0.020	0.030	0.040	0.040	2.5	46	0.12
21...	0.010	<0.020	0.030	0.060	0.030	2.4	24	0.06
22...	0.010	<0.020	0.030	0.030	0.030	2.3	22	0.06
22...	0.010	<0.020	0.030	0.040	0.030	2.3	28	0.08
22...	0.010	<0.020	0.020	0.050	0.040	2.4	52	0.14

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

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YAZOO RIVER BASIN--Continued

OTOUCALOFA CREEK DRAINAGE BASIN STUDY--Continued

07274245 - OTOUCALOFA CREEK EAST OF WATER VALLEY, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
APR								
11...	1800	62	45	6.9	17.0	9.6	240	120
11...	2400	100	42	7.0	16.0	9.4	680	780
12...	0600	122	43	6.9	15.5	9.9	1200	3400
12...	1200	106	44	7.1	16.0	10.0	240	940
12...	1800	175	44	7.0	16.0	9.7	100	5000
12...	2400	430	41	6.4	16.0	9.3	240	4400
13...	0600	277	44	6.6	16.0	9.5	180	3000
13...	1200	208	44	6.5	16.0	9.5	620	1100
13...	1800	175	42	6.5	18.0	9.1	400	680
AUG								
20...	1300	4.9	47	7.2	24.0	9.2	88	110
20...	1900	4.9	47	7.2	22.0	8.8	92	120
21...	0100	4.9	47	7.2	22.0	7.9	140	300
21...	0700	4.9	47	7.2	20.0	8.2	140	350
21...	1300	4.9	46	7.1	24.0	9.2	K50	180
21...	1900	4.9	45	7.2	22.0	8.8	K73	340
22...	0100	4.9	45	7.1	20.5	8.2	110	K390
22...	0700	4.9	47	7.1	21.0	8.3	180	330
22...	1300	4.9	49	7.1	24.5	9.0	K84	140

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
APR								
11...	0.010	0.050	0.010	0.060	0.030	2.8	70	12
11...	0.010	0.060	0.020	0.080	0.050	3.7	137	37
12...	0.010	0.060	0.010	0.090	0.050	4.5	131	43
12...	0.010	0.060	0.020	0.070	0.040	4.2	129	37
12...	0.010	0.080	0.030	0.130	0.060	4.7	262	124
12...	0.010	0.070	0.030	0.140	0.060	6.4	417	484
13...	0.010	0.070	0.020	0.100	0.050	5.9	247	185
13...	0.010	0.070	0.030	0.080	0.050	5.1	145	81
13...	0.010	0.070	0.020	0.070	0.040	4.5	120	57
AUG								
20...	0.010	<0.020	0.010	0.040	0.020	2.3	24	0.32
20...	0.010	<0.020	0.010	0.040	0.020	2.3	20	0.26
21...	0.010	0.020	0.010	0.030	0.020	2.3	20	0.26
21...	0.010	0.020	0.010	0.020	0.010	2.2	23	0.30
21...	<0.010	0.020	0.010	0.020	0.010	2.2	18	0.24
21...	<0.010	<0.020	0.110	0.060	0.040	2.3	19	0.25
22...	0.010	0.020	0.010	0.060	0.020	2.2	22	0.29
22...	0.010	0.020	0.010	0.030	0.010	2.2	22	0.29
22...	<0.010	0.020	0.010	0.040	0.010	2.2	16	0.21

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
 WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
 YAZOO RIVER BASIN--Continued
 OTOUCALOFA CREEK DRAINAGE BASIN STUDY--Continued

07274247 - OTOUCALOFA CREEK CANAL E-SE OF WATER VALLEY, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
APR								
11...	1825	108	44	6.8	17.0	9.5	150	170
12...	0030	157	45	7.0	16.0	9.4	K1400	400
12...	0630	203	42	6.9	16.0	9.7	700	1700
12...	1230	175	42	7.1	16.0	9.7	100	1100
12...	1820	350	44	7.0	17.0	9.9	K58	9500
13...	0030	560	38	6.5	16.0	9.5	K580	4300
13...	0630	425	42	6.7	16.0	9.4	120	4100
13...	1220	325	42	6.6	16.0	9.4	780	1600
13...	1820	280	40	6.6	18.5	9.0	K410	960
AUG								
20...	1200	18	48	6.9	25.0	8.4	88	160
20...	1800	18	44	7.2	27.0	7.8	150	260
20...	2400	18	46	7.2	20.5	8.0	540	660
21...	0600	18	48	7.2	17.5	8.6	220	500
21...	1200	18	44	7.1	23.0	8.6	K50	300
21...	1800	18	43	7.2	22.5	8.5	80	350
21...	2400	18	46	7.2	20.0	8.2	K1800	780
22...	0600	18	44	7.2	18.0	8.3	440	740
22...	1200	18	44	7.1	23.5	8.6	110	330

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
APR								
11...	<0.010	0.100	0.010	0.060	0.030	2.6	154	45
12...	0.010	0.120	0.030	0.170	0.080	3.5	412	175
12...	0.010	0.080	0.010	0.090	0.040	3.9	230	126
12...	0.010	0.080	0.010	0.070	0.040	4.0	202	95
12...	0.030	0.150	0.050	0.400	0.160	5.1	744	703
13...	0.020	0.080	0.030	0.150	0.080	6.1	701	1060
13...	0.010	0.080	0.020	0.140	0.070	6.0	491	563
13...	0.010	0.090	0.020	0.120	0.070	5.3	318	279
13...	0.010	0.080	0.020	0.080	0.050	4.6	331	250
AUG								
20...	<0.010	0.080	0.010	0.050	0.020	1.6	34	1.7
20...	0.010	0.080	0.010	0.040	0.010	1.7	28	1.4
20...	<0.010	0.090	0.020	0.030	0.010	1.6	42	2.0
21...	<0.010	0.100	0.030	0.040	0.020	1.5	62	3.0
21...	<0.010	0.090	0.010	0.030	0.010	1.4	22	1.1
21...	<0.010	0.080	0.010	0.030	0.010	1.4	16	0.78
21...	<0.010	0.090	0.030	0.040	0.010	1.5	32	1.6
22...	<0.010	0.090	0.020	0.020	0.010	1.5	34	1.7
22...	0.010	0.090	0.030	0.020	0.020	1.5	23	1.1

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

YAZOO RIVER BASIN--Continued

HICKAHALA CREEK DRAINAGE BASIN STUDY

07277520

- HICKAHALA CREEK NR INDEPENDENCE, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
JAN								
09...	1200	17	53	6.6	8.5	11.2	K35	160
09...	1800	17	51	6.7	9.0	10.8	K52	120
09...	2400	17	53	6.8	7.0	11.0	K20	200
10...	0600	16	56	6.8	7.5	10.8	K56	140
10...	1200	500	34	6.7	5.5	12.0	2800	14000
10...	1800	145	37	6.8	6.5	10.1	5600	4200
10...	2400	77	40	6.7	7.0	9.8	2500	1200
11...	0600	59	43	6.8	7.5	10.8	780	360
11...	1200	61	47	6.9	8.0	11.8	880	600
JUL								
16...	1200	7.4	57	6.7	24.0	9.0	K48	160
16...	1800	7.4	57	6.8	26.0	8.4	K48	250
16...	2400	7.4	60	6.6	22.0	7.5	K54	860
17...	0600	7.4	58	6.5	20.0	7.6	K64	540
17...	1200	7.4	57	6.7	25.0	8.8	K32	130
17...	1800	7.4	54	6.6	26.0	8.0	280	380
17...	2400	7.4	59	6.5	22.0	7.2	120	880
18...	0600	7.4	57	6.6	20.5	7.2	K100	560
18...	1200	7.4	56	6.9	25.0	8.9	K81	110

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
JAN								
09...	0.020	0.790	0.060	0.080	0.080	2.7	25	1.1
09...	0.020	0.720	0.060	0.080	0.080	3.1	34	1.6
09...	0.020	0.780	0.050	0.070	0.040	2.9	33	1.5
10...	0.020	0.840	0.050	0.070	0.030	2.6	25	1.1
10...	0.060	0.330	0.120	0.420	0.260	5.4	1070	1440
10...	0.050	0.360	0.090	0.260	0.210	5.7	328	128
10...	0.040	0.430	0.080	0.170	0.160	5.2	89	19
11...	0.030	0.500	0.070	0.140	0.130	4.4	75	12
11...	0.020	0.540	0.070	0.160	0.150	4.2	71	12
JUL								
16...	<0.010	0.430	0.010	0.020	0.010	0.8	10	0.20
16...	<0.010	0.390	0.010	0.020	0.020	0.8	9	0.18
16...	<0.010	0.480	0.020	0.020	0.010	0.7	9	0.18
17...	<0.010	0.520	0.010	0.030	0.010	0.7	18	0.36
17...	<0.010	0.410	0.010	0.020	0.010	0.8	35	0.70
17...	<0.010	0.350	0.010	0.010	0.010	0.8	25	0.50
17...	<0.010	0.470	0.010	0.010	0.010	0.7	9	0.18
18...	0.010	0.510	0.020	0.040	0.020	0.7	79	1.6
18...	<0.010	0.400	0.010	0.010	0.010	0.8	7	0.14

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

YAZOO RIVER BASIN--Continued

HICKAHALA CREEK DRAINAGE BASIN STUDY--Continued

07277530

- HICKAHALA CREEK NR LOOXAHOMA, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
JAN								
09...	1230	56	54	6.5	9.0	11.0	K33	210
09...	1830	54	53	6.6	9.0	10.2	K20	K69
10...	0030	54	54	6.6	8.0	10.4	K15	210
10...	0630	50	54	6.7	8.0	10.4	K12	200
10...	1230	1070	34	6.6	5.5	11.0	6800	12000
10...	1830	295	34	6.8	6.5	9.7	1000	2000
11...	0030	157	40	6.7	7.0	10.8	2800	2000
11...	0630	113	44	6.6	7.5	10.8	860	610
11...	1230	123	47	6.9	8.5	11.0	1200	490
JUL								
16...	1230	27	52	6.7	25.0	8.8	K31	120
16...	1830	27	53	6.7	26.0	8.2	K65	100
17...	0030	27	52	6.7	22.0	7.4	K58	240
17...	0630	27	52	6.6	20.0	7.6	K77	300
17...	1230	27	52	6.8	25.5	8.3	270	200
17...	1830	27	51	6.8	27.0	7.5	K77	320
18...	0030	27	53	6.7	22.0	7.2	100	220
18...	0630	27	52	6.6	20.0	7.5	100	360
18...	1230	27	51	6.9	24.5	8.4	120	K110

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
JAN								
09...	0.010	0.640	0.030	0.080	0.090	2.5	56	8.5
09...	0.010	0.660	0.030	0.070	0.050	2.1	137	20
10...	0.010	0.670	0.030	0.050	0.030	2.1	117	17
10...	0.010	0.680	0.080	0.060	0.030	2.1	39	5.3
10...	0.050	0.270	0.140	0.710	0.340	5.1	1610	4650
10...	0.030	0.250	0.050	0.280	0.210	5.8	409	326
11...	0.020	0.320	0.050	0.200	0.170	5.2	208	88
11...	0.020	0.390	0.050	0.140	0.070	4.5	156	48
11...	0.020	0.400	0.040	0.140	0.070	4.4	152	50
JUL								
16...	<0.010	0.280	0.010	0.010	0.010	0.8	17	1.2
16...	<0.010	0.240	0.010	0.010	0.010	0.7	29	2.1
17...	<0.010	0.290	0.010	0.040	0.020	0.6	44	3.2
17...	<0.010	0.330	0.010	0.010	0.010	0.5	21	1.5
17...	<0.010	0.280	0.010	0.040	0.010	0.6	20	1.5
17...	0.010	0.240	0.010	0.010	0.010	0.7	18	1.3
18...	<0.010	0.270	0.010	0.010	0.010	0.7	25	1.8
18...	<0.010	0.330	0.010	0.010	0.010	0.5	19	1.4
18...	<0.010	0.290	0.010	0.010	0.010	0.6	22	1.6

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

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YAZOO RIVER BASIN--Continued

HICKAHALA CREEK DRAINAGE BASIN STUDY--Continued

07277548 - JAMES WOLF CREEK NR LOOXAHOMA, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
JAN								
09...	1200	15	69	6.5	11.0	10.9	260	370
09...	1800	15	71	6.8	11.0	10.4	K15	190
09...	2400	14	73	6.8	9.5	10.8	K42	180
10...	0600	14	73	6.9	9.0	10.8	K20	1200
10...	1200	580	28	6.9	8.5	11.0	1100	12000
10...	1800	208	36	7.1	9.5	11.0	620	5900
10...	2400	105	40	6.7	10.0	10.6	4800	2300
11...	0600	58	45	6.7	10.5	10.5	1200	690
11...	1200	64	49	7.0	10.5	10.5	1400	520
JUL								
16...	1300	11	70	7.1	29.0	8.5	110	110
16...	1900	11	70	7.1	28.0	7.6	K76	160
17...	0100	11	74	7.0	23.5	7.6	200	360
17...	0700	11	74	6.9	21.0	7.8	440	360
17...	1300	11	70	7.2	30.0	8.0	K36	230
17...	1900	11	69	7.1	28.5	7.3	110	220
18...	0100	11	73	7.0	23.0	7.4	140	320
18...	0700	11	74	7.0	22.0	7.4	110	300
18...	1300	11	70	7.2	29.5	7.9	130	100

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDEDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDEDED (T/DAY) (80155)
JAN								
09...	0.010	1.00	0.250	0.090	0.040	2.2	31	1.3
09...	0.010	1.10	0.230	0.080	0.040	1.9	26	1.1
09...	0.010	1.10	0.220	0.060	0.030	1.6	34	1.3
10...	0.010	1.40	0.200	0.060	0.050	1.5	19	0.72
10...	0.050	0.240	0.170	0.420	0.270	4.4	2090	3270
10...	0.030	0.290	0.150	0.340	0.210	5.7	438	246
10...	0.030	0.370	0.120	0.210	0.180	4.8	591	168
11...	0.020	0.470	0.110	0.150	0.150	4.2	277	43
11...	0.020	0.510	0.120	0.140	0.140	4.0	248	43
JUL								
16...	0.010	0.500	0.010	0.030	0.020	0.7	18	0.53
16...	0.010	0.320	0.020	0.030	0.010	0.8	12	0.36
17...	0.010	0.470	0.020	0.010	0.010	0.7	17	0.50
17...	0.010	0.640	0.020	0.020	0.010	0.6	18	0.53
17...	0.010	0.530	0.010	0.030	0.020	0.7	22	0.65
17...	0.010	0.300	0.010	0.030	0.010	0.8	18	0.53
18...	0.010	0.420	0.020	0.020	0.010	0.7	13	0.39
18...	0.010	0.620	0.010	0.020	0.010	0.6	16	0.48
18...	0.010	0.530	0.010	0.030	0.020	0.7	21	0.62

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

YAZOO RIVER BASIN--Continued

HICKAHALA CREEK DRAINAGE BASIN STUDY--Continued

07277715

- SENATOBIA CREEK NR COMO, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
JAN								
09...	1230	9.6	69	6.4	11.0	10.8	120	280
09...	1830	9.5	74	6.7	11.0	9.8	K10	160
10...	0030	9.2	77	6.7	10.0	10.1	K5	240
10...	0630	8.8	82	6.6	9.5	--	K12	680
10...	1230	485	33	6.7	8.0	11.6	1300	5400
10...	1830	88	33	--	10.0	11.0	600	2400
11...	0030	50	37	6.7	10.0	10.8	2400	1700
11...	0630	36	42	6.7	10.5	10.8	K1300	640
11...	1230	42	46	6.9	10.0	10.5	2200	1100
JUL								
16...	1200	4.0	104	6.8	23.0	9.3	180	350
16...	1800	4.0	104	6.5	22.0	8.2	140	280
16...	2400	4.0	102	6.6	20.0	8.1	110	530
17...	0600	4.0	107	6.6	18.5	8.6	K76	600
17...	1200	4.0	102	6.6	22.0	10.2	K84	450
17...	1800	4.0	99	6.5	23.0	8.3	660	380
17...	2400	4.0	107	6.7	20.0	8.5	K77	600
18...	0600	4.0	108	6.7	18.5	8.6	140	490
18...	1200	4.0	104	6.8	22.0	9.1	220	360

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
JAN								
09...	0.010	1.90	0.020	0.060	0.030	2.0	29	0.75
09...	0.010	2.10	0.010	0.060	0.030	1.8	16	0.41
10...	0.010	2.30	0.010	0.040	0.030	1.5	22	0.55
10...	0.010	2.10	0.020	0.070	0.030	1.6	32	0.76
10...	0.050	2.30	0.070	0.520	0.170	5.0	1480	1940
10...	0.040	0.340	0.050	0.230	0.170	6.1	649	154
11...	0.030	0.500	0.040	0.160	0.150	5.2	163	22
11...	0.030	0.730	0.030	0.130	0.120	4.3	62	6.0
11...	0.030	0.770	0.040	0.150	0.130	4.5	95	11
JUL								
16...	0.010	2.40	0.010	0.020	0.010	0.7	19	0.21
16...	0.010	2.50	0.020	0.020	0.010	0.7	32	0.35
16...	0.010	2.20	0.010	0.010	0.010	0.8	20	0.22
17...	0.020	2.60	0.010	0.010	0.010	0.6	17	0.18
17...	0.010	2.40	0.010	0.020	0.010	0.6	37	0.40
17...	0.010	2.20	0.010	0.020	0.010	1.1	23	0.25
17...	0.010	2.60	0.010	0.010	0.010	0.7	30	0.32
18...	0.020	2.70	0.010	0.010	0.010	0.6	29	0.31
18...	0.010	2.50	0.010	0.020	0.010	0.7	27	0.29

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

YAZOO RIVER BASIN--Continued
BLACK CREEK DRAINAGE BASIN STUDY

07287330 - FANNEGUSHA CREEK NR ITUMA, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
APR								
25...	1245	26	112	7.1	21.5	8.3	160	1000
25...	1845	26	104	7.0	22.5	8.1	140	1100
26...	0045	24	100	7.0	21.0	7.8	K64	760
26...	0645	23	100	7.1	20.5	7.9	K60	1400
26...	1245	23	102	7.0	21.0	8.0	K92	1100
26...	1845	23	101	7.0	21.0	7.8	88	1100
27...	0045	30	91	7.0	20.0	7.9	2900	K14000
27...	0645	44	92	6.9	19.0	7.7	2100	E22000
27...	1245	198	37	6.5	18.5	5.1	>6000	E26000
27...	1845	600	41	6.7	20.0	--	K19000	E34000
AUG								
27...	1300	8.4	127	6.9	24.0	8.8	K77	220
27...	1900	10	117	7.2	23.5	6.9	3500	>10000
28...	0100	7.4	124	7.1	24.0	7.1	180	1500
28...	0700	7.4	128	7.0	23.5	7.1	K76	1400
28...	1300	7.4	126	7.4	26.5	8.3	140	240
28...	1900	7.4	126	7.2	27.5	7.3	K390	420
29...	0100	6.9	125	7.2	25.0	7.0	K15	400
29...	0700	6.0	128	7.0	24.0	7.1	K120	390
29...	1300	7.4	122	7.4	27.0	8.3	K24	180

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
APR								
25...	0.010	0.120	0.050	0.070	0.060	3.4	35	2.5
25...	0.010	0.120	0.050	0.070	0.060	2.9	28	2.0
26...	0.010	0.120	0.050	0.070	0.050	3.0	28	1.8
26...	0.020	0.120	0.050	0.070	0.060	2.8	33	2.0
26...	0.010	0.120	0.050	0.060	0.050	2.7	21	1.3
26...	0.010	0.120	0.050	0.060	0.050	2.6	20	1.2
27...	0.050	0.220	0.120	0.390	0.150	3.0	978	79
27...	0.060	0.210	0.090	0.530	0.170	--	544	65
27...	0.150	0.310	0.200	1.70	0.580	3.8	7260	3880
27...	0.080	0.300	0.130	0.740	0.260	7.8	1750	2840
AUG								
27...	<0.010	0.020	0.020	0.080	0.030	1.5	15	0.34
27...	0.010	0.080	0.040	0.170	0.080	2.0	120	3.2
28...	0.010	0.040	0.050	0.080	0.040	1.9	59	1.2
28...	0.010	0.050	0.060	0.070	0.040	1.8	39	0.78
28...	<0.010	0.040	0.040	0.050	0.030	1.7	28	0.56
28...	<0.010	0.040	0.020	0.060	0.030	1.9	31	0.62
29...	<0.010	0.040	0.040	0.140	0.030	1.8	28	0.52
29...	<0.010	0.040	0.040	0.060	0.030	--	32	0.52
29...	<0.010	0.030	0.030	0.060	0.030	1.8	33	0.66

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

YAZOO RIVER BASIN--Continued

BLACK CREEK DRAINAGE BASIN STUDY--Continued

07287375 - BLACK CREEK AT BOWLING GREEN, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
APR								
25...	1200	19	83	7.1	20.0	8.7	K60	480
25...	1800	18	76	6.9	21.5	8.5	100	300
25...	2400	18	72	7.0	20.5	8.2	100	700
26...	0600	17	73	7.0	19.5	8.2	K56	900
26...	1200	16	75	6.9	20.0	8.3	K56	600
26...	1800	17	75	6.9	20.0	8.2	K69	720
26...	2400	16	68	7.0	20.0	7.9	K100	760
27...	0600	26	75	6.7	19.0	8.0	K1300	4500
27...	1200	60	60	6.9	19.0	7.0	5700	9800
27...	1800	285	63	6.8	20.0	--	K13000	E27000
AUG								
27...	1200	6.7	82	6.6	24.0	8.6	120	190
27...	1800	7.0	83	7.1	23.0	7.8	220	960
27...	2400	7.0	82	6.6	22.5	7.5	K20	400
28...	0600	7.0	80	6.9	22.0	7.2	--	300
28...	1200	7.0	80	7.2	24.0	9.3	180	200
28...	1800	7.0	78	7.1	25.5	9.2	130	220
28...	2400	6.9	78	6.9	24.5	7.3	K12	160
29...	0600	6.8	80	6.8	23.0	7.1	K50	220
29...	1200	6.9	78	7.1	24.5	8.8	K36	220

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDEED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDEED (T/DAY) (80155)
APR								
25...	0.010	0.070	0.040	0.080	0.060	3.3	--	--
25...	0.010	0.070	0.030	0.070	0.060	3.3	30	1.5
25...	0.010	0.070	0.030	0.060	0.060	3.0	26	1.3
26...	0.010	0.070	0.040	0.060	0.060	3.0	35	1.6
26...	0.010	0.070	0.030	0.080	0.060	3.1	28	1.2
26...	0.010	0.070	0.030	0.080	0.050	3.1	29	1.3
26...	0.010	0.070	0.040	0.080	0.060	3.0	60	2.6
27...	0.020	0.080	0.050	0.150	0.090	3.9	208	15
27...	0.020	0.070	0.050	0.190	0.140	5.3	388	63
27...	0.040	1.20	1.10	0.320	0.160	7.6	1100	846
AUG								
27...	<0.010	<0.020	<0.010	0.040	0.020	1.6	20	0.36
27...	0.010	<0.020	<0.010	0.040	0.030	1.6	23	0.43
27...	<0.010	<0.020	<0.010	0.030	0.020	1.8	18	0.34
28...	0.010	<0.020	<0.010	0.040	0.020	1.7	26	0.49
28...	0.010	<0.020	<0.010	0.040	0.020	1.6	20	0.38
28...	<0.010	<0.020	<0.010	0.030	0.020	1.5	16	0.30
28...	<0.010	<0.020	0.010	0.080	0.020	1.6	28	0.52
29...	0.010	<0.020	0.010	0.040	0.020	1.6	50	0.92
29...	<0.010	<0.020	<0.010	0.080	0.020	1.6	20	0.37

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

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YAZOO RIVER BASIN--Continued

BLACK CREEK DRAINAGE BASIN STUDY--Continued

07287405 - BLACK CREEK AT HOWARD, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
APR								
25...	1200	155	140	7.3	22.0	7.6	480	1000
25...	1830	140	143	7.1	22.0	7.4	460	660
26...	0030	130	145	7.0	21.0	6.2	250	660
26...	0630	138	146	7.0	24.0	7.2	840	1300
26...	1255	130	147	7.1	21.0	7.6	800	840
26...	1845	122	149	7.0	21.0	7.4	K3300	1100
27...	0045	145	148	7.1	21.0	6.5	720	1500
27...	0645	235	150	7.2	19.5	7.9	K1100	E25000
27...	1230	520	135	7.2	19.5	6.8	5800	E24000
27...	1830	2000	76	6.8	21.0	7.2	K11000	E34000
AUG								
27...	1230	68	170	7.3	26.5	6.3	260	130
27...	1830	81	175	7.2	25.0	6.4	1000	1200
28...	0030	321	165	7.5	25.0	6.5	K85	4400
28...	0630	455	157	7.3	24.0	4.8	560	>10000
28...	1230	210	96	7.0	25.0	5.4	280	1200
28...	1830	147	96	7.1	26.5	6.0	5800	K14000
29...	0030	112	107	7.3	31.0	5.7	K1400	4600
29...	0630	98	115	7.3	25.5	5.4	840	760
29...	1230	81	123	7.4	29.0	--	120	180

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
APR								
25...	0.010	0.130	0.070	0.100	0.070	4.7	217	91
25...	0.020	0.120	0.070	0.090	0.070	6.9	663	251
26...	0.020	0.130	0.060	0.080	0.060	4.1	2960	1040
26...	0.010	0.130	0.070	0.090	0.060	3.9	1340	499
26...	0.020	0.120	0.070	0.090	0.060	4.2	--	--
26...	0.010	0.130	0.080	0.100	0.060	3.8	--	--
27...	0.020	0.130	0.070	0.100	0.060	3.9	250	98
27...	0.030	0.180	0.100	0.200	0.120	3.7	112	71
27...	0.040	0.150	0.100	0.280	0.160	4.9	691	970
27...	0.090	0.160	0.120	0.600	0.390	6.9	2570	13900
AUG								
27...	0.010	0.150	0.030	0.120	0.030	1.9	20	3.7
27...	0.010	0.140	0.040	0.080	0.040	2.0	117	26
28...	0.020	0.150	0.050	0.150	0.090	2.4	75	65
28...	0.040	0.200	0.100	0.560	0.230	6.8	279	343
28...	0.070	0.200	0.120	0.690	0.240	7.6	354	201
28...	0.060	0.190	0.090	0.450	0.330	6.4	435	173
29...	0.040	0.170	0.070	0.390	0.210	6.1	146	44
29...	0.030	0.160	0.070	0.280	0.160	5.3	99	26
29...	0.020	0.170	0.050	0.220	0.140	4.7	72	16

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

YAZOO RIVER BASIN--Continued

STEELE BAYOU DRAINAGE BASIN STUDY

07288815 RED BRIDGE BAYOU NR LELAND, MS

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
OCT 24...	0800	254	7.1	11.5	4.1	0.300	0.130	1.2	0.300	0.200	4.2
NOV 29...	0830	139	7.0	12.0	5.5	0.300	0.110	1.7	0.540	0.140	6.8
DEC 19...	0800	114	7.1	13.0	6.5	1.20	0.110	2.7	0.960	0.140	6.7
JAN 11...	0830	57	6.8	9.5	8.8	0.560	0.210	3.1	1.10	0.160	5.1
FEB 13...	0745	203	7.5	12.0	7.6	0.450	0.160	1.4	0.340	0.050	5.2

332158090571600 BLACK BAYOU CANAL NR BURDETTE

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
JAN 11...	0930	60	6.8	9.5	9.7	0.510	0.220	2.3	0.910	0.240	4.0

331941090562400 BLACK BAYOU NR BURDETTE

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
JAN 11...	1000	77	7.0	9.5	9.5	0.470	0.170	2.0	0.770	0.180	5.0

331754090555500 BLACK BAYOU NORTHWEST OF ARCOLA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
JAN 11...	1330	85	7.0	10.0	9.4	0.450	0.150	1.7	0.670	0.150	5.5

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

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YAZOO RIVER BASIN--Continued

STEELE BAYOU DRAINAGE BASIN STUDY--Continued

07288820 BLACK BAYOU NR ARCOLA, MS

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
OCT 24...	0920	699	8.2	12.5	9.0	0.490	1.70	9.5	0.980	0.450	8.9
NOV 29...	1000	185	7.2	13.0	6.2	1.50	0.200	2.7	0.860	0.250	7.9
DEC 19...	1010	176	7.2	14.0	6.6	1.00	0.110	2.0	0.670	0.230	8.5
JAN 11...	1430	94	7.2	10.0	9.5	0.440	0.160	1.7	0.540	0.120	5.7
FEB 13...	0930	277	7.8	12.0	9.2	0.570	0.200	2.0	0.330	0.090	7.3

07288825 BLACK BAYOU NR ESTILL, MS

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
OCT 23...	1415	455	8.4	20.5	11.2	0.290	0.110	2.0	0.270	0.130	6.0
NOV 28...	1415	529	8.2	18.0	10.6	0.610	0.020	2.8	0.320	0.100	10
DEC 18...	1415	248	7.4	16.0	6.6	1.10	0.210	2.1	0.590	0.150	7.5
JAN 10...	1200	--	--	--	--	0.660	0.180	2.0	0.470	0.090	5.7
FEB 12...	1345	235	7.7	13.0	10.2	0.590	0.074	1.7	0.330	0.080	6.9

07288830 BLACK BAYOU NR HOLLANDALE, MS

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
OCT 23...	1320	490	8.2	18.0	10.4	0.450	0.080	3.3	0.340	0.090	8.9
NOV 28...	1300	444	7.6	17.0	6.1	0.250	0.060	1.8	0.370	0.100	6.5
DEC 18...	1330	508	7.7	16.5	7.1	0.740	0.230	3.0	0.510	0.040	8.4
JAN 10...	1130	--	--	--	--	0.430	0.200	1.8	0.340	0.100	6.6
FEB 12...	1300	215	7.6	12.0	9.3	0.480	0.050	1.5	0.340	0.080	6.8

332711091015500 MAIN CANAL AT METCALFE

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
JAN 11...	0730	85	6.9	11.0	9.8	0.490	0.190	2.6	0.920	0.140	3.2

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

YAZOO RIVER BASIN--Continued

STEELE BAYOU DRAINAGE BASIN STUDY--Continued

332358091012300 MAIN CANAL AT GREENVILLE

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
JAN 11...	0800	137	6.8	10.0	9.4	0.490	0.190	2.0	0.730	0.160	3.8

07288834 MAIN CANAL NR SWIFTWATER, MS

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
OCT 23...	1500	433	9.1	23.5	18.5	0.460	0.160	1.4	0.610	0.430	5.6
NOV 29...	0900	208	7.3	12.0	7.0	0.830	0.220	1.8	0.660	0.260	6.9
DEC 19...	0900	176	7.3	12.0	7.6	1.20	0.090	2.3	0.810	0.180	6.5
JAN 11...	0900	141	7.1	10.0	9.1	0.540	0.180	2.0	0.700	0.190	4.2
FEB 13...	0815	432	7.8	12.5	8.3	0.210	0.220	1.0	0.300	0.170	4.5

331938091012300 MAIN CANAL EAST OF SWIFTWATER

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
JAN 11...	1100	116	6.9	10.0	8.9	0.610	0.210	2.2	0.820	0.190	4.3

331753091011400 MAIN CANAL SOUTHEAST OF SWIFTWATER

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
JAN 11...	1230	107	7.0	10.5	8.3	0.590	0.160	1.7	0.800	0.230	6.3

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

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YAZOO RIVER BASIN--Continued
STEELE BAYOU DRAINAGE BASIN STUDY--Continued

07288838 MAIN CANAL NR WAYSIDE, MS

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
OCT 24...	0900	346	7.9	14.0	7.0	0.570	0.250	1.5	0.530	0.310	8.1
NOV 29...	0930	238	7.2	13.0	5.0	1.30	0.920	3.2	0.760	0.340	8.5
DEC 19...	0930	158	7.1	13.0	6.6	1.10	0.110	2.4	0.880	0.240	7.8
JAN 11...	1530	109	7.1	10.0	9.3	0.540	0.160	1.9	0.730	0.220	6.3
FEB 13...	0900	398	7.7	12.0	8.6	0.300	0.190	0.98	0.260	0.110	5.1

331312091013200 GRANICUS BAYOU NR AVON

DATE	TIME	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
JAN 12...	0800	7.1	8.5	9.3	0.530	0.170	1.7	0.710	0.220	6.3

331150090573600 UNNAMED DITCH NR JAMES

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
JAN 12...	0930	215	7.2	8.0	8.7	0.660	0.470	2.8	0.420	0.070	5.8

07288842 GRANICUS BAYOU NR HOLLANDALE, MS

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
OCT 23...	1300	686	8.0	18.0	10.2	0.020	0.020	2.4	0.230	0.120	6.5
NOV 28...	1230	575	7.7	17.0	7.5	0.580	0.520	3.6	0.320	0.080	11
DEC 18...	1300	494	7.6	16.0	7.0	1.00	0.060	2.0	0.310	0.070	9.4
JAN 12...	1030	158	7.2	8.5	9.8	0.640	0.260	2.0	0.450	0.060	5.4
FEB 12...	1230	185	7.4	12.0	9.4	0.430	0.100	1.6	0.280	0.060	8.2

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

YAZOO RIVER BASIN--Continued

STEELE BAYOU DRAINAGE BASIN STUDY--Continued

330735091013700 DITCH NO 14 NR ERWIN

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
JAN 12...	1130	119	7.3	7.0	9.9	0.410	0.090	1.2	0.350	0.120	7.4

330830090581600 SWAN LAKE TRIBUTARY NR PERCY

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
JAN 12...	1200	166	7.3	8.0	8.2	0.080	0.050	0.93	0.170	0.060	6.3

07288843 BLACK BAYOU NR PERCY, MS

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
OCT 23...	1115	950	8.3	15.5	6.8	0.780	0.070	7.0	0.610	0.160	9.5
NOV 28...	1115	470	7.6	17.0	6.9	0.590	0.100	2.5	0.500	0.240	8.8
DEC 18...	1200	442	7.7	16.5	6.6	2.20	0.170	2.6	1.80	1.10	8.7
JAN 10...	1040	--	--	--	--	0.570	0.170	3.3	0.860	0.070	5.9
FEB 12...	1130	196	7.6	11.0	9.3	0.430	0.070	1.6	0.340	0.090	7.3

07288844 GRANNY BAKER BAYOU NR JAMES, MS

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
OCT 23...	1230	222	7.5	15.5	5.2	0.200	0.190	1.6	0.220	0.180	3.4
NOV 28...	1200	239	7.6	18.0	7.5	0.160	0.040	1.6	0.280	0.100	5.8
DEC 18...	1230	432	7.6	16.0	5.7	0.740	0.300	1.6	0.550	0.160	5.0
JAN 10...	1245	--	--	--	--	0.700	0.180	3.1	1.10	0.170	6.1
FEB 12...	1200	150	6.8	12.0	6.2	0.200	0.090	1.2	0.340	0.080	6.5

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

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YAZOO RIVER BASIN--Continued

STEELE BAYOU DRAINAGE BASIN STUDY--Continued

330426090573900 STEELE BAYOU NR PANTHER BURN

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
JAN 12...	1230	121	7.1	8.5	9.3	0.350	0.150	1.5	0.480	0.080	5.0

07288847 STEELE BAYOU NR GLEN ALLAN, MS

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 23...	1045	352	7.5	16.0	5.6	0.280	0.590	2.4	0.260	0.060	5.8
NOV 28...	1040	353	7.5	18.0	7.6	1.10	0.420	2.6	0.300	0.080	6.1
DEC 18...	1130	369	7.8	16.0	7.9	0.430	0.470	1.7	0.340	0.100	6.8
JAN 10...	1015	--	--	--	--	0.400	0.200	1.6	0.370	0.080	6.6
FEB 12...	1100	175	7.2	12.0	7.3	0.400	0.130	1.5	0.380	0.090	6.7

07288870 STEELE BAYOU EAST PRONG NR ROLLING FORK, MS

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 23...	1000	615	8.0	16.5	7.1	0.040	0.050	1.2	0.140	0.090	6.5
NOV 28...	1000	194	7.5	16.0	7.8	2.70	0.130	2.5	0.760	0.300	7.7
DEC 18...	0900	330	7.6	16.0	6.4	--	0.390	--	--	0.050	5.9
JAN 10...	0945	--	--	--	--	0.500	0.180	3.0	0.970	0.090	5.1
FEB 12...	1015	164	7.2	12.0	7.4	0.410	0.140	1.9	0.380	0.060	6.7

ADAMS COUNTY

313330091223702. Local number, C002.

LOCATION.--Lat 31°33'30", long 91°22'37", in irregular sec.16, T.7 N., R.3 W., Washington Meridian, Adams County, Hydrologic Unit 08060204, at city water treatment plant on Brenham Avenue in Natchez.

Owner: City of Natchez.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in, depth 607 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 237.73 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.00 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

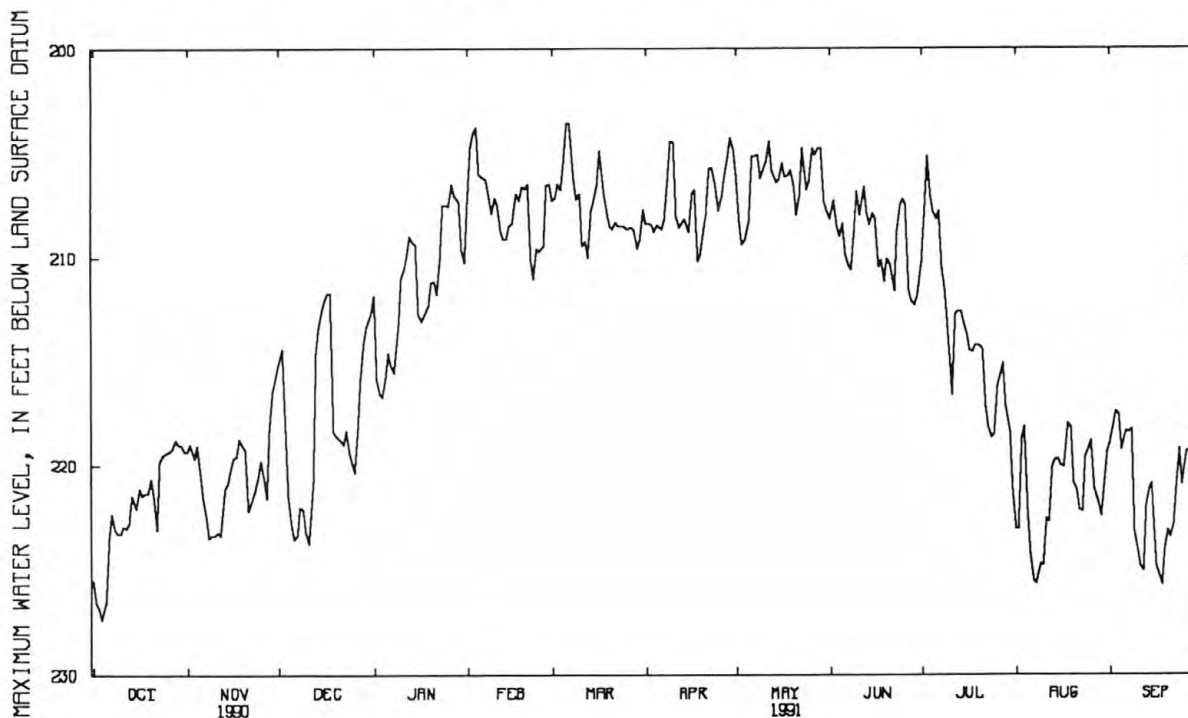
PERIOD OF RECORD.--Miscellaneous water-level measurements, August 1940, September 1955, periodic water-level measurements June 1980 to July 1982, August 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 188.23 ft below land-surface datum, Aug. 5, 1940, lowest, 271.72 ft below land-surface datum, Jan. 23, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	226.59	220.41	222.87	215.75	206.01	205.47	208.48	208.35	208.40	207.87	222.13	219.26
10	223.28	223.36	223.22	211.00	207.17	206.97	204.48	205.77	206.83	213.29	224.78	224.00
15	222.06	220.18	212.55	209.43	208.51	207.32	208.78	206.29	207.93	213.13	219.68	220.86
20	220.64	219.24	218.58	211.23	206.74	208.52	208.70	206.58	210.05	214.27	220.87	223.09
25	219.40	219.75	219.90	207.55	209.74	208.53	207.78	206.37	207.26	218.51	219.21	220.95
EOM	219.30	215.87	212.70	210.29	206.52	207.73	204.81	207.82	211.92	221.23	219.32	220.83

WTR YR 1991 MEAN 213.86 HIGH 203.52 MAR 7 LOW 227.38 OCT 4



ADAMS COUNTY--Continued

313256091214201. Local number, C067.

LOCATION.--Lat 31°32'56", long 91°21'42", in NW1/4 Lot 87, T.7 N., R.2 W., Washington Meridian, Adams County, Hydrologic Unit 08060204, on Liberty Road, 2.0 mi east of center of Natchez.

Owner: Johns Manville Company.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 436 ft, cased to 392 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 116.92 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

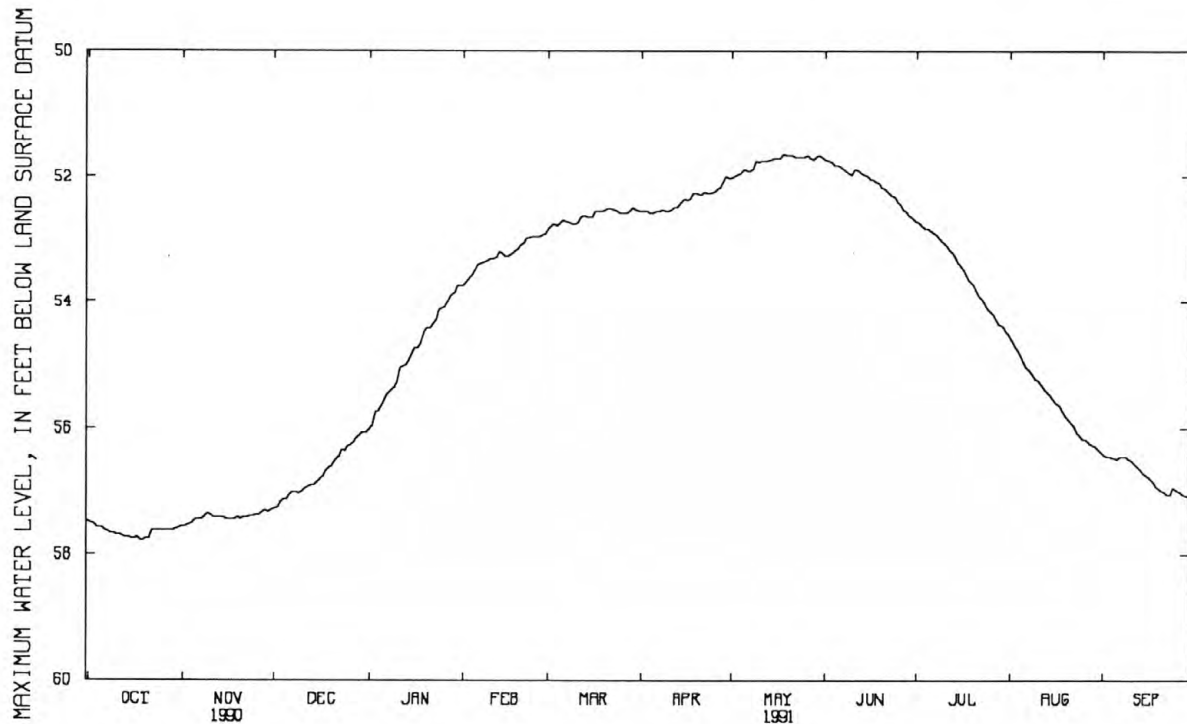
PERIOD OF RECORD.--Miscellaneous water-level measurements April 1961 to May 1982, June 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 51.42 ft below land-surface datum, May 8, 1991, lowest, 80.18 ft below land-surface datum, July 25, 1963.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	57.59	57.45	57.13	55.65	53.50	52.75	52.58	51.88	51.82	52.82	54.84	56.49
10	57.69	57.39	57.01	55.26	53.31	52.75	52.56	51.76	51.97	53.02	55.23	56.50
15	57.77	57.44	56.86	54.81	53.28	52.65	52.36	51.70	52.00	53.36	55.47	56.73
20	57.76	57.44	56.61	54.42	53.10	52.53	52.29	51.66	52.17	53.73	55.81	56.97
25	57.63	57.39	56.31	54.11	52.95	52.57	52.24	51.67	52.39	54.09	56.12	56.96
EOM	57.58	57.32	56.08	53.74	52.91	52.55	52.01	51.68	52.65	54.46	56.35	57.09

WTR YR 1991 MEAN 54.55 HIGH 51.64 MAY 18 LOW 57.78 OCT 18 AND OTHERS



ADAMS COUNTY--Continued

313605091202201. Local number, D001.

LOCATION.--Lat 31°36'05", long 91°20'22", in sec.12, T.7 N., R.2 W., Washington Meridian, Adams County, Hydrologic Unit 08060204, at power plant, 5.0 mi northeast of center of Natchez.

Owner: Mississippi Power and Light Company.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 456 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 192.4 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 1.60 ft above land-surface datum.

PERIOD OF RECORD.--Periodic water-level measurements June 1975 to March 1983, April 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 80.30 ft below land-surface datum, Oct. 8, 1981, lowest, 102.97 ft below land-surface datum, Aug. 30, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	84.80	84.74	84.95	84.95	---	84.49	84.83	84.50	84.44	84.38	84.45	84.38
10	84.74	84.78	84.97	84.83	---	84.82	84.68	84.60	84.59	84.52	84.43	84.44
15	84.74	85.00	84.80	84.71	84.77	84.69	84.56	84.55	84.53	84.52	---	84.42
20	84.81	84.86	84.65	84.67	84.68	84.69	84.57	84.52	84.51	84.51	---	84.50
25	84.83	84.76	84.88	84.80	84.72	84.74	84.53	84.47	84.47	84.49	---	84.27
EOM	84.96	85.03	84.88	---	84.76	84.81	84.49	84.44	84.54	84.42	---	84.50

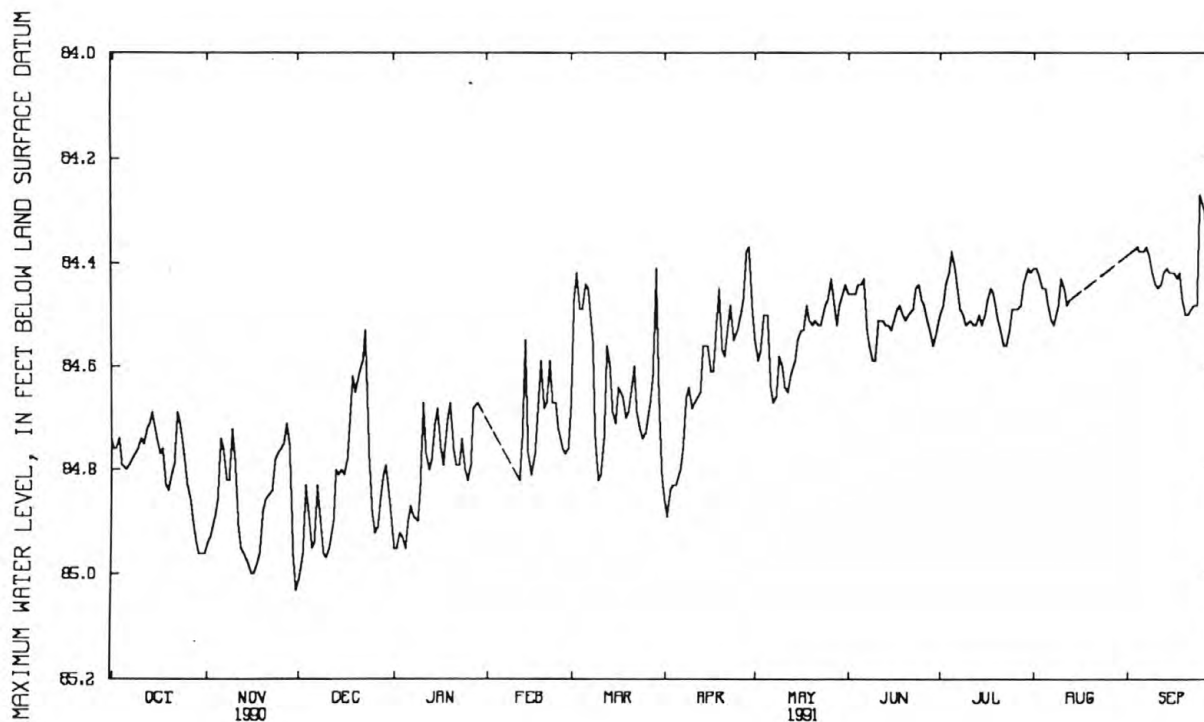
WTR YR 1991

HIGH

84.27 SEP 25

LOW

85.03 NOV 30



CHOCTAW COUNTY

331849089105101. Local number, H001.

LOCATION.--Lat 33°18'49", long 89°10'51", in NE¼NE¼ sec.30, T.17 N., R.11 E., Choctaw Meridian, Choctaw County, Hydrologic Unit 03180001, 0.2 mi west of center of Ackerman.

Owner: Town of Ackerman.

AQUIFER.--Sand of Wilcox Formation of early Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 100 ft, cased to 76 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 518 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 1.50 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--Miscellaneous water-level measurements January 1957, October 1969, February 1981 to current year.

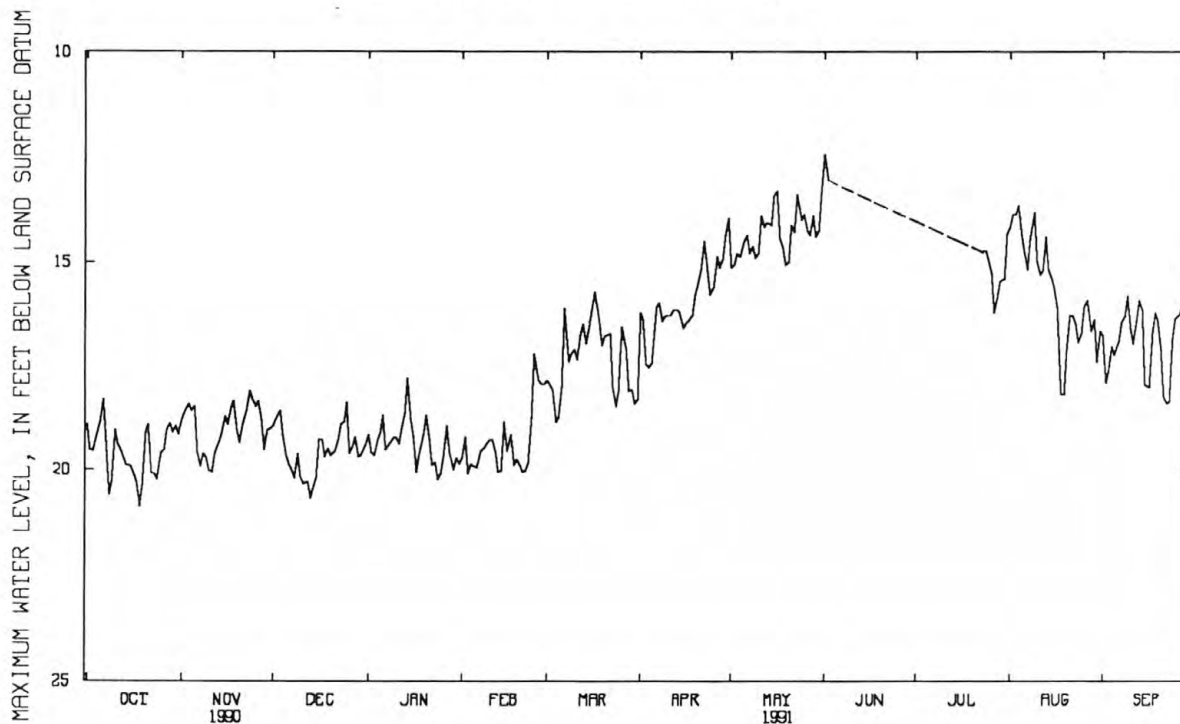
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 11.88 ft below land-surface datum, June 1, 1990, lowest, 28.72 ft below land-surface datum, Dec. 23, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	18.85	18.48	19.64	19.11	19.94	18.76	17.44	14.49	---	---	14.38	17.22
10	19.04	20.03	20.15	19.22	19.28	17.08	16.27	14.82	---	---	15.01	16.62
15	19.91	18.70	20.19	18.78	18.84	16.63	16.59	13.43	---	---	15.39	17.96
20	19.10	19.34	19.66	18.69	19.89	16.79	15.49	15.01	---	---	17.08	17.10
25	19.61	18.46	18.37	20.11	17.19	18.11	15.61	13.87	---	14.96	16.73	16.37
EOM	19.15	19.03	19.41	19.85	17.93	18.32	13.95	13.36	---	14.34	16.67	16.82

WTR YR 1991

HIGH 12.44 JUN 1 LOW 20.88 OCT 18



CLAY COUNTY

333712088384601. Local number, H046.

LOCATION.--Lat 33°37'12", long 88°38'46", in NE4NW4 sec.11, T.17 S., R.6 E., Chickasaw Meridian, Clay County, Hydrologic Unit 03160104, on east side of Illinois Central Railroad, 1.0 mi northeast of center of West Point.

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, depth 810 ft, cased to 750 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 240 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 2.10 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

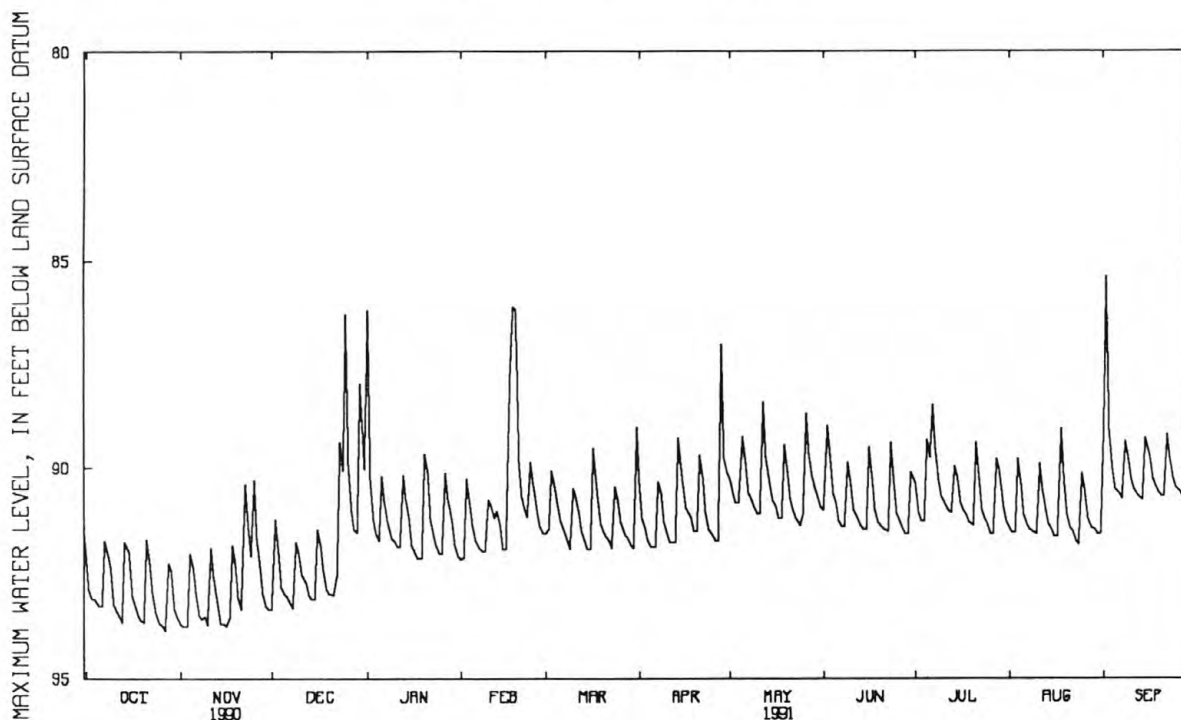
PERIOD OF RECORD.--Miscellaneous water-level measurements July 1963, May 1969, periodic water-level measurements January 1971 to December 1980, January 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 27.95 ft below land-surface datum, July 16, 1963, lowest, 93.88 ft below land-surface datum, Oct. 24, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	93.31	92.38	92.99	91.76	91.33	90.85	91.87	89.25	90.87	89.33	90.38	90.49
10	93.25	93.72	92.00	91.76	90.77	90.49	91.59	91.12	90.31	90.66	91.58	90.26
15	92.02	93.70	93.13	91.20	91.95	91.93	90.33	90.79	91.49	90.19	91.49	89.27
20	93.65	93.09	93.00	89.64	89.85	91.50	91.52	90.11	91.37	91.39	91.14	90.65
25	93.69	90.29	86.29	92.05	90.35	90.73	91.62	91.13	91.10	91.33	90.14	90.48
EOC	93.52	93.37	90.01	92.12	91.58	89.03	90.14	90.94	90.10	91.26	91.58	89.35

WTR YR 1991 MEAN 91.22 HIGH 85.39 SEP 2 LOW 93.88 OCT 27



CLAY COUNTY--Continued

333509088402801. Local number, H099.

LOCATION.--Lat 33°35'09", long 88°40'28", in NE4NW4 sec.21, T.17 S., R.6 E., Chickasaw Meridian, Clay County, Hydrologic Unit 03160104, 1.0 mi southwest of city of West Point.

Owner: City of West Point.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous Age.

WELL CHARACTERISTICS.-- Drilled unused artesian well, diameter 12 in, depth 400 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 200 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 2.35 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--Miscellaneous water-level measurements November 1971, August 1976, April 1985 to current year.

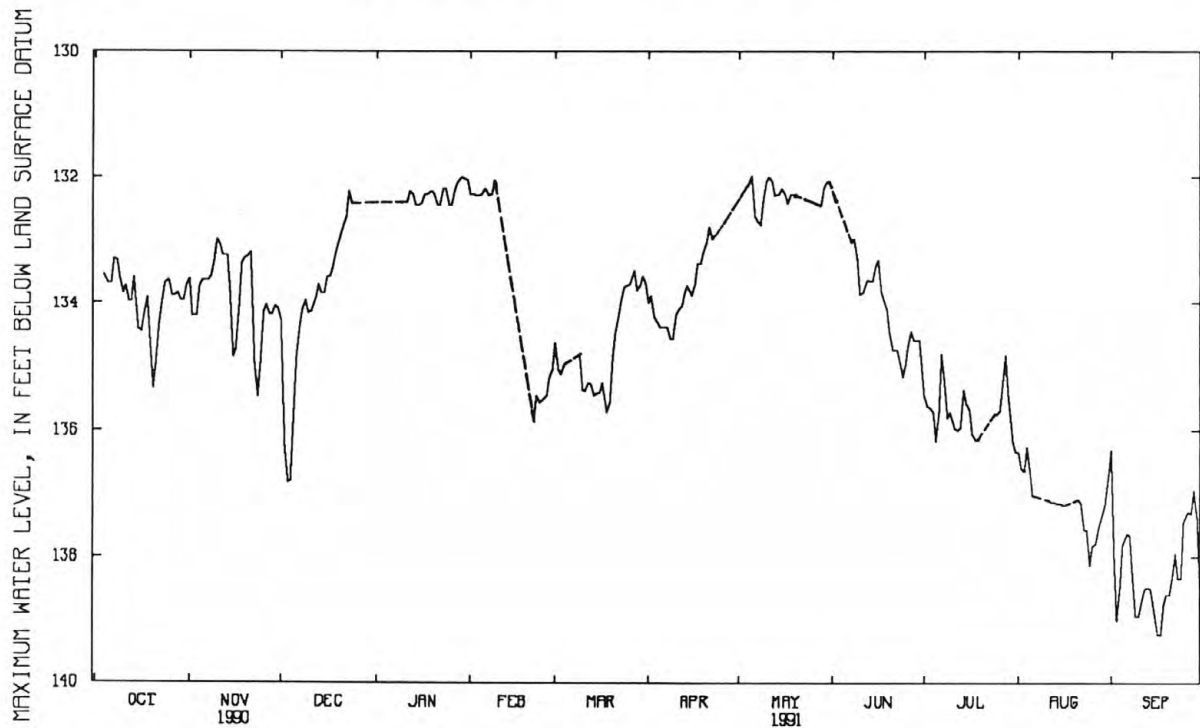
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 130.17 ft below land-surface datum Apr. 14, 1990, lowest, 182.42 ft below land-surface datum, Aug. 26, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	133.67	133.62	135.67	---	132.26	---	134.36	131.97	---	136.20	136.69	137.84
10	133.83	132.97	134.15	---	---	135.35	134.17	132.06	133.86	135.72	---	138.96
15	134.42	134.85	133.84	132.43	---	135.43	133.87	132.17	133.40	135.58	137.18	138.78
20	135.34	133.25	133.02	132.26	---	134.91	133.03	---	134.46	---	---	138.62
25	133.62	134.13	---	132.43	135.54	133.72	---	---	134.97	135.76	138.15	137.46
EOM	133.72	134.07	---	132.03	135.04	133.70	---	132.06	134.57	136.34	136.73	138.32

WTR YR 1991

HIGH 131.97 MAY 5 LOW 139.25 SEP 17



FORREST COUNTY

312115089193601. Local number, B006.

LOCATION.--Lat 31°21'15", long 89°19'36", in SE4NW4 sec.32, T.5 N., R.13 W., St. Stephens Meridian, Forrest County, on Lakeview Road, 2.8 mi north west of center of Hattiesburg.

Owner: City of Hattiesburg.

AQUIFER.--Sand of Hattiesburg Formation of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 444 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 167.27 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 4.50 ft above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--Miscellaneous water-level measurements September 1955, May 1981, August 1981, October 1981 to current year.

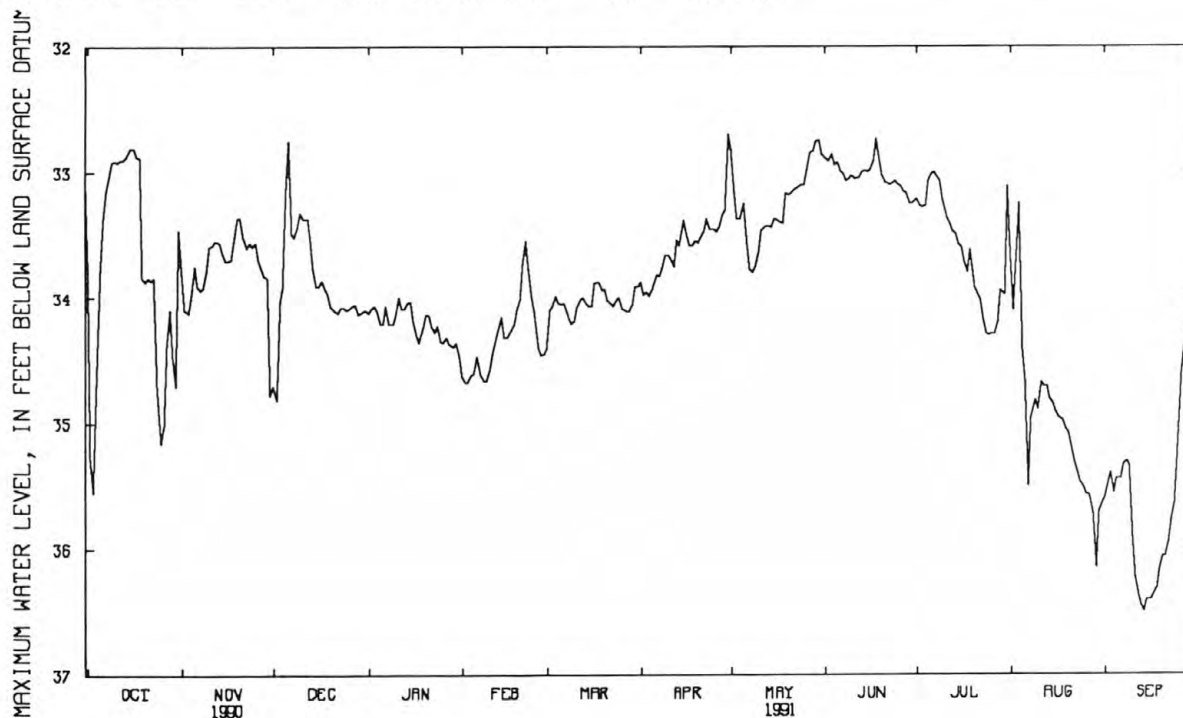
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 9.0 ft below land-surface datum, Sept. 1, 1955, lowest, 37.72 ft Dec. 13, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	33.78	33.75	33.12	34.21	34.61	34.04	33.93	33.24	32.92	33.06	34.43	35.44
10	32.91	33.59	33.32	34.13	34.58	34.19	33.66	33.63	33.02	33.21	34.89	35.92
15	32.80	33.70	33.90	34.03	34.32	34.06	33.38	33.36	33.00	33.57	34.85	36.41
20	33.87	33.35	34.06	34.13	34.01	33.93	33.56	33.18	33.02	33.92	35.08	36.06
25	35.16	33.56	34.09	34.35	34.11	33.99	33.44	33.10	33.10	34.30	35.51	35.30
EOM	33.45	34.78	34.10	34.48	34.46	33.91	32.69	32.85	33.24	33.11	35.64	34.59

WTR YR 1991 MEAN 34.00 HIGH 32.69 APR 30 LOW 36.50 SEP



HARRISON COUNTY

302355088540301. Local number, M120.

LOCATION.--Lat 30°23'55", long 88°54'03", in NW4SE4 sec.26, T.7 S., R.9 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170004, at Howard Avenue and Querens Street, 1.0 mi west of center of Biloxi.

Owner: City of Biloxi.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth reported 928 ft, sounded to 660 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 21.28 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 8-in flange, 3.00 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--Miscellaneous water-level measurements 1903, periodic water-level measurements January 1945 to June 1946, March 1954 to current year.

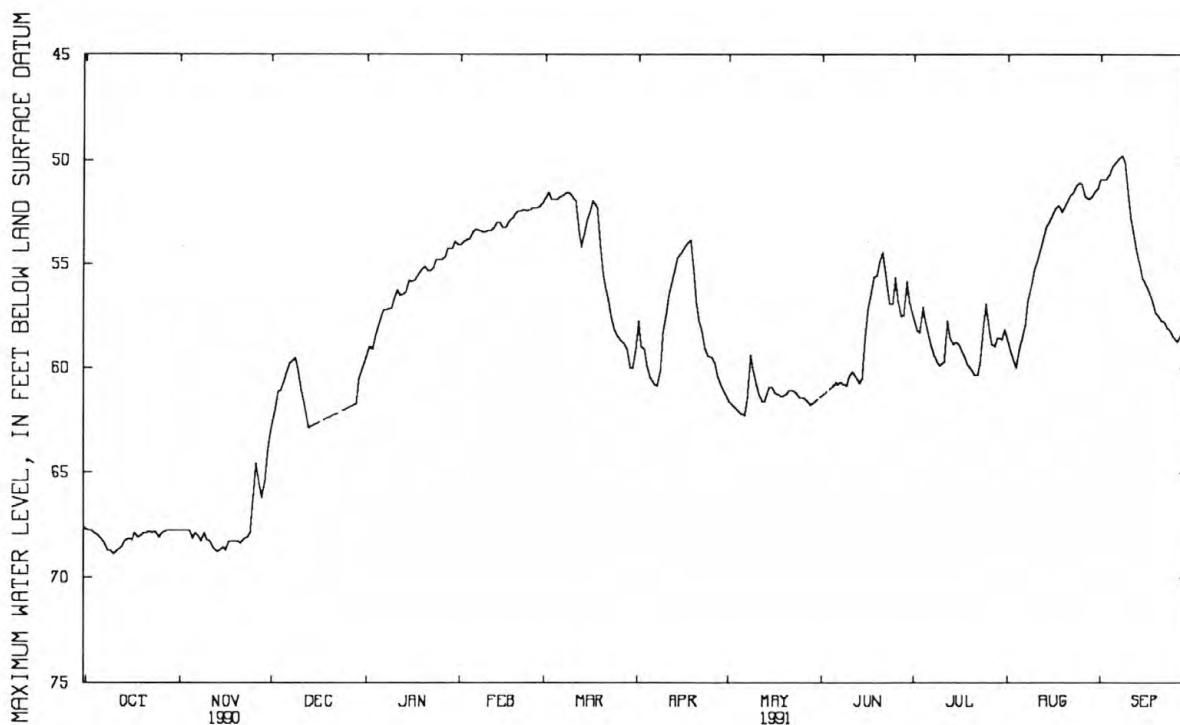
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 44.0 ft above land-surface datum, 1903, lowest, 79.14 ft below land-surface datum, Aug. 5, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	68.04	68.13	60.70	58.01	53.54	51.93	60.47	62.23	60.64	57.84	59.15	50.37
10	68.86	68.22	60.11	56.71	53.38	51.83	57.43	60.82	60.40	59.91	55.26	51.74
15	68.13	68.56	---	55.83	53.26	52.91	54.49	60.93	58.45	58.80	53.00	55.73
20	67.89	68.32	---	55.17	52.45	55.40	56.95	61.31	54.97	60.13	52.31	57.54
25	68.10	66.08	---	54.79	52.32	58.42	59.54	61.42	55.70	56.95	51.10	58.51
EOM	67.75	63.99	59.89	54.10	52.08	59.03	61.35	---	56.93	58.17	51.38	58.80

WTR YR 1991

HIGH 49.84 SEP 8 LOW 68.86 OCT 10



HARRISON COUNTY--Continued

302406088593201. Local number, M544.

LOCATION.--Lat 30°24'06", long 88°59'32", in NW4SE4 sec.28, T.7 S., R.10 W., St. Stephens Meridian, Harrison County,

Hydrologic Unit 03170009, at Edgewater Subdivision, Lakeview Drive, north of Pass Road, near center of Biloxi.

Owner: City of Biloxi.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 800 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 25 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: 1/2-in. plastic plug, top of seal, 1.00 ft above land-surface datum.

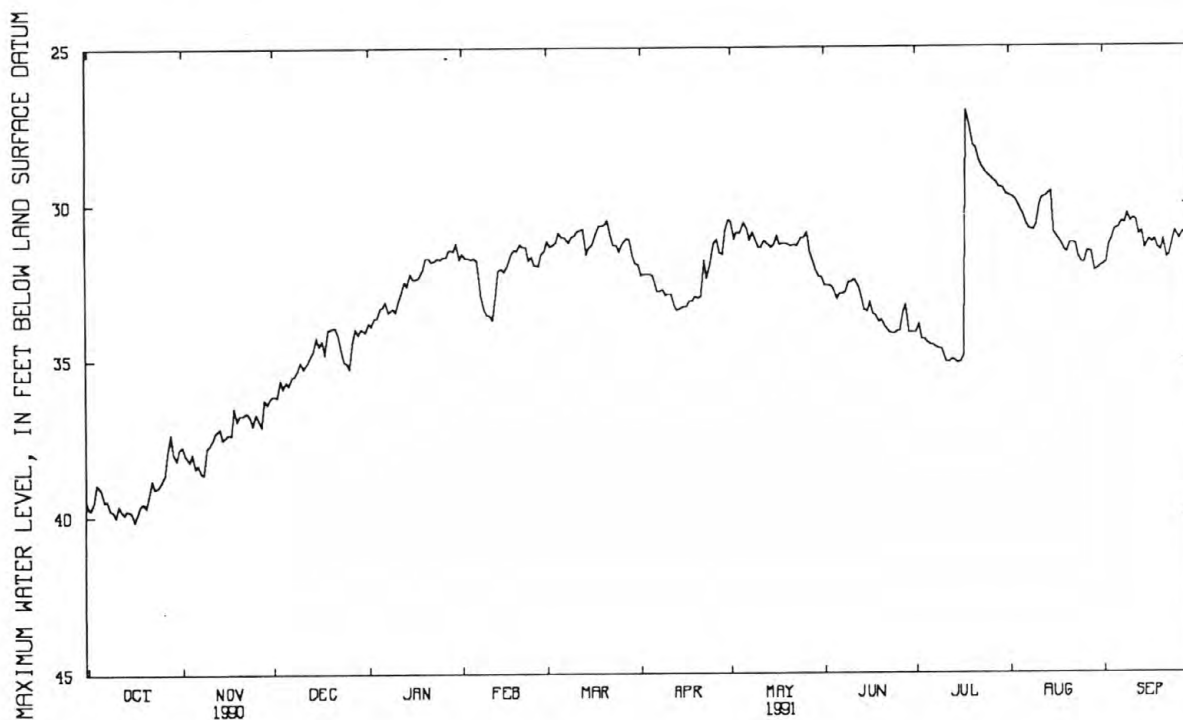
PERIOD OF RECORD.--Miscellaneous water-level measurements June 1969, October 1981, April 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 19.49 ft above land-surface datum, Apr. 23, 1983, lowest, 42.25 ft below land-surface datum, July 2, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	39.13	38.44	35.68	33.34	31.70	30.93	32.29	30.61	33.08	34.50	30.23	30.85
10	39.99	37.71	35.06	33.46	33.59	31.00	32.91	31.39	32.55	34.70	30.70	30.61
15	39.83	37.44	34.29	32.23	32.17	31.40	33.31	31.31	33.49	35.14	29.60	31.44
20	39.66	36.74	34.01	31.71	31.25	30.63	33.02	31.32	33.73	28.14	31.59	31.52
25	38.86	36.72	35.07	31.77	31.93	31.55	31.28	31.11	34.11	29.09	31.89	30.89
EOM	37.84	36.21	34.10	31.77	31.51	31.94	30.49	32.36	34.15	29.68	32.05	31.01

WTR YR 1991 MEAN 33.19 HIGH 27.00 JUL 18 LOW 40.13 OCT 16



HINDS COUNTY

321945090152201. Local number, G125.

LOCATION.--Lat 32°19'45", long 90°15'22", in SE4SW4 sec.25, T.6 N., R.1 W., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, at Clinton Boulevard and Dixon Road, 5 mi northwest of center of Jackson.

Owner: Shady Oaks Country Club.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 852 ft, cased to 802 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 372 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

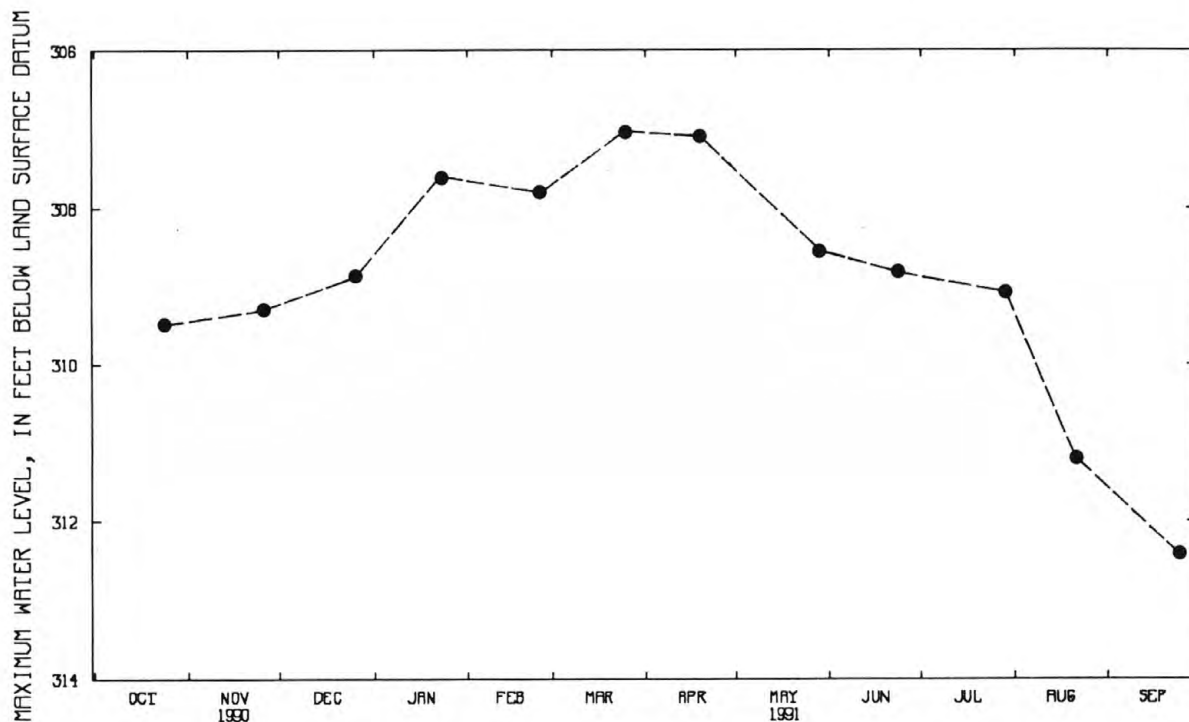
Measuring point: Top of 4-in coupling, 0.50 ft above land-surface datum.

PERIOD OF RECORD.--Miscellaneous water-level measurement 1928, periodic water-level measurements September 1944 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 160.0 ft below land-surface datum, 1928, lowest measured, 310.13 ft below land-surface datum, Sept. 26, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	307.90	DEC 29	307.54	FEB 27	304.46	APR 30	306.50	JUN 25	307.06	AUG 30	309.99
NOV 21	306.40	JAN 23	305.39	MAR 20	304.56	MAY 23	306.35	JUL 27	308.34	SEP 26	310.13



HINDS COUNTY--Continued

321957090105601. Local number, H155.

LOCATION.--Lat 32°19'57", long 90°10'56", in NW4SE4 sec.27, T.6 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, on North West Street near Taylor Street, 2.0 mi north of center of Jackson.

Owner: Mississippi Bureau of Geology.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well (test hole), diameter 4 in, depth 158 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 330 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

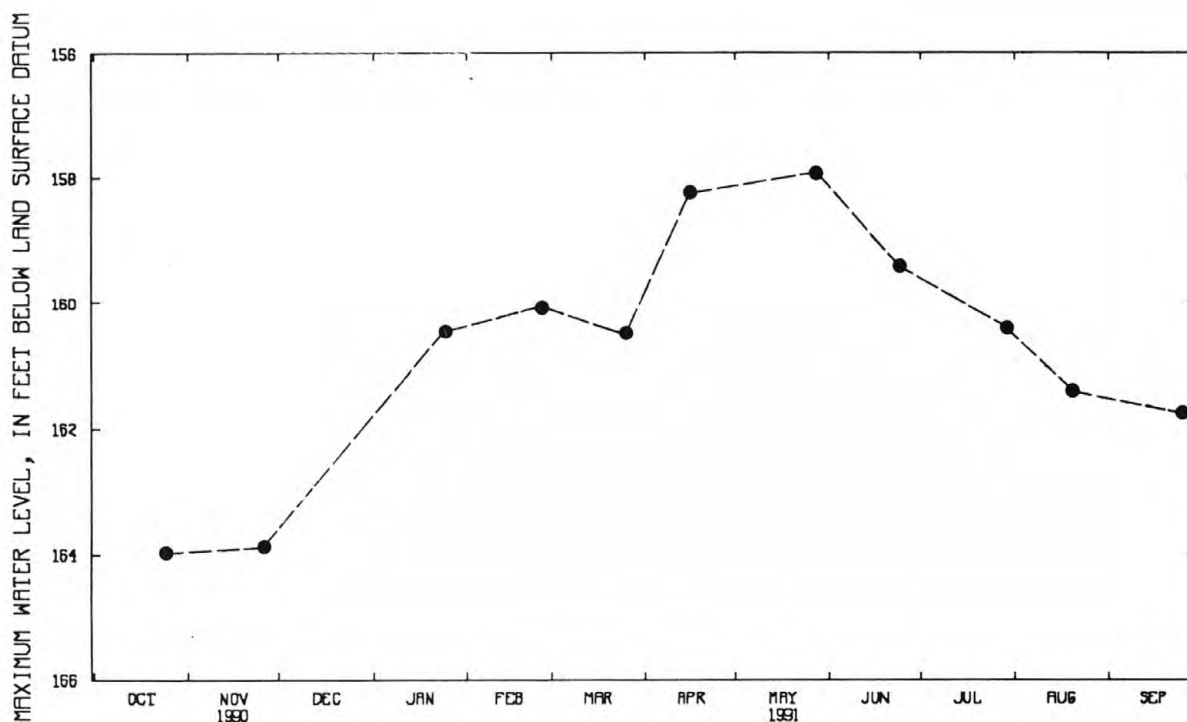
Measuring point: Top of casing, 40 ft above land-surface datum.

PERIOD OF RECORD.--Periodic water-level measurements July 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 143.13 ft below land-surface datum, July 11, 1972, lowest measured, 165.90 ft below land-surface datum, Nov. 22, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	165.33	DEC 29	164.11	FEB 27	161.73	APR 30	163.39	JUN 25	162.25	AUG 30	163.82
NOV 21	163.72	JAN 23	160.47	MAR 20	162.49	MAY 23	162.30	JUL 27	162.58	SEP 26	164.01



JASPER COUNTY

315313088583302. Local number, Q047.

LOCATION.--Lat 31°53'13", long 88°58'33", in NW4 sec.33, T.1 N., R.10 W., Choctaw Meridian, Jasper County, Hydrologic Unit 03170005, in Heidelberg Industrial Park, 1.0 mi east of center of Heidelberg.

Owner: City of Heidelberg.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 2,680 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 375 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

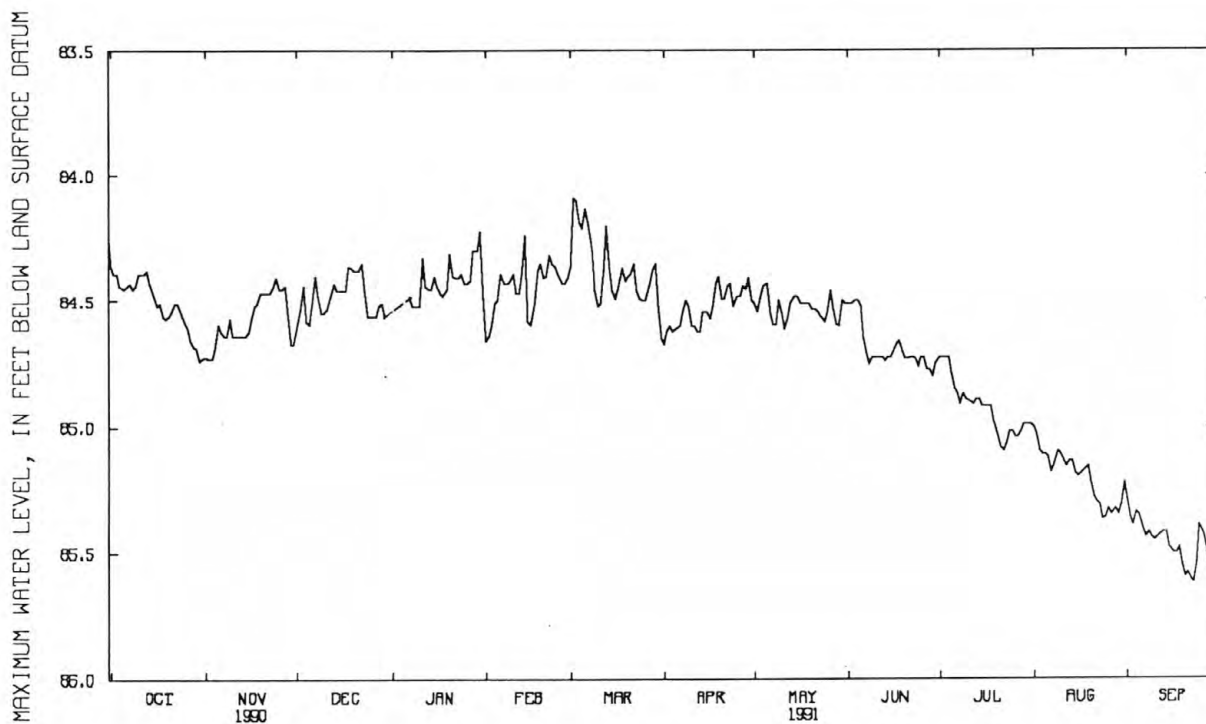
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 67.01 ft below land-surface datum, Feb. 5, 1986, lowest, 85.63 ft below land-surface datum, Sept. 29, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	84.45	84.59	84.59	---	84.50	84.21	84.61	84.43	84.52	84.79	85.11	85.35
10	84.39	84.64	84.55	84.52	84.39	84.52	84.60	84.55	84.72	84.89	85.11	85.45
15	84.48	84.62	84.46	84.40	84.58	84.46	84.54	84.48	84.72	84.92	85.19	85.48
20	84.56	84.47	84.38	84.31	84.41	84.40	84.49	84.53	84.73	85.04	85.22	85.60
25	84.58	84.45	84.56	84.43	84.39	84.50	84.48	84.54	84.72	85.02	85.36	85.39
EOM	84.73	84.67	---	84.49	84.41	84.65	84.50	84.51	84.75	84.99	85.22	85.63

WTR YR 1991

HIGH 84.09 MAR 2 LOW 85.63 SEP 29 AND OTHERS



JONES COUNTY

314210089084401. Local number, C034.

LOCATION.--Lat 31°42'47", long 89°08'44", in SW4SE4 sec.31, T.9 N., R.11 W., St. Stephens Meridian, Jones County, Hydrologic Unit 03170005, at 10th Avenue and 8th Street, north of center of Laurel.

Owner: City of Laurel.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18-12 in, depth 383 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 276 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: 1-in hole in pump base plate, 0.75 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

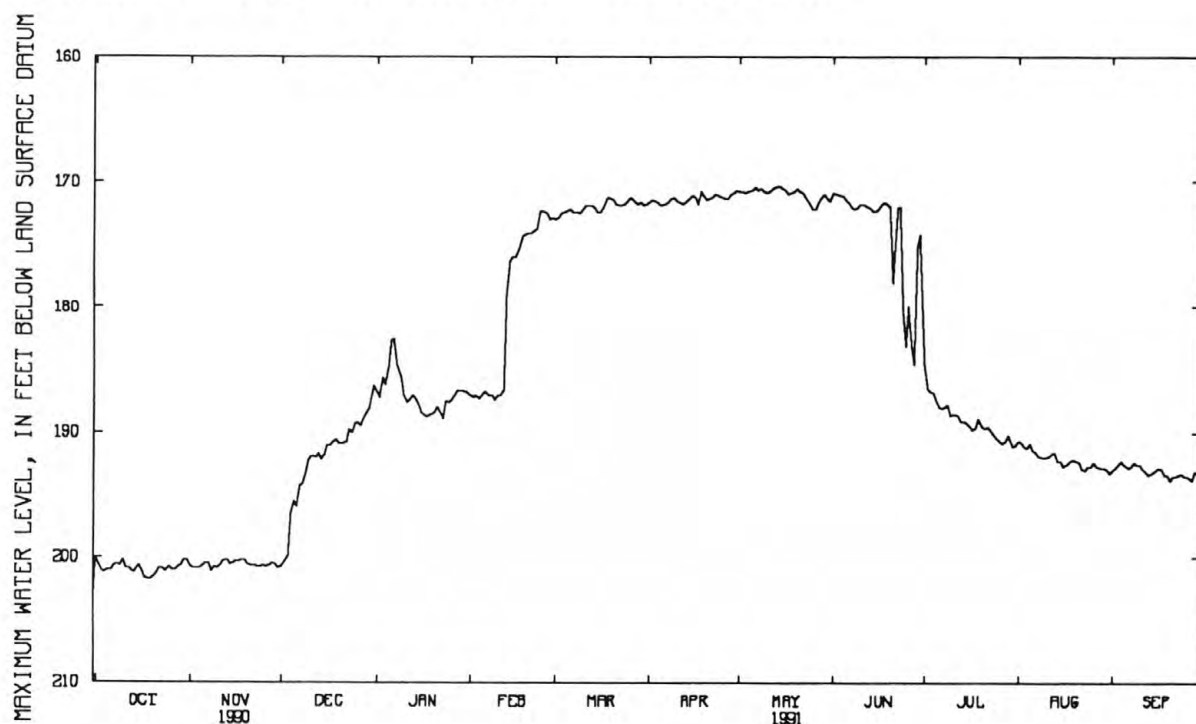
PERIOD OF RECORD.--Miscellaneous water-level measurement October 1945, September 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 127 ft below land-surface datum, Oct. 1, 1945, lowest, 216.39 ft below land-surface datum, June 9, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	201.07	200.68	195.50	184.84	187.15	172.28	171.81	170.63	171.42	187.45	190.96	192.67
10	200.23	200.90	192.28	187.16	187.14	172.25	171.51	170.88	171.79	188.66	192.06	192.68
15	200.74	200.53	191.90	187.85	176.04	172.37	171.12	170.47	172.29	189.25	192.33	193.14
20	201.60	200.66	190.94	188.43	174.07	171.42	171.38	170.56	171.93	189.60	192.25	193.90
25	200.82	200.77	189.40	187.74	172.29	171.57	171.23	172.16	183.04	190.46	192.79	193.51
EOM	200.24	200.98	186.33	186.94	172.89	171.79	170.66	171.49	174.25	191.05	193.26	193.33

WTR YR 1991 MEAN 185.32 HIGH 170.31 MAY 14 LOW 201.89 OCT 18



JONES COUNTY--Continued

313928089103001. Local number, F020.

LOCATION.--Lat 31°39'28", long 89°10'30", in NE4SE4 sec.14, T.8 N., R.12 W., St. Stephens Meridian, Jones County, Hydrologic Unit 03170005, 0.2 mi south of Laurel Airport and 5.0 mi southwest of center of Laurel.

Owner: City of Laurel.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 20-12 in, depth 466 ft, cased to 406 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 220 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 2.00 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

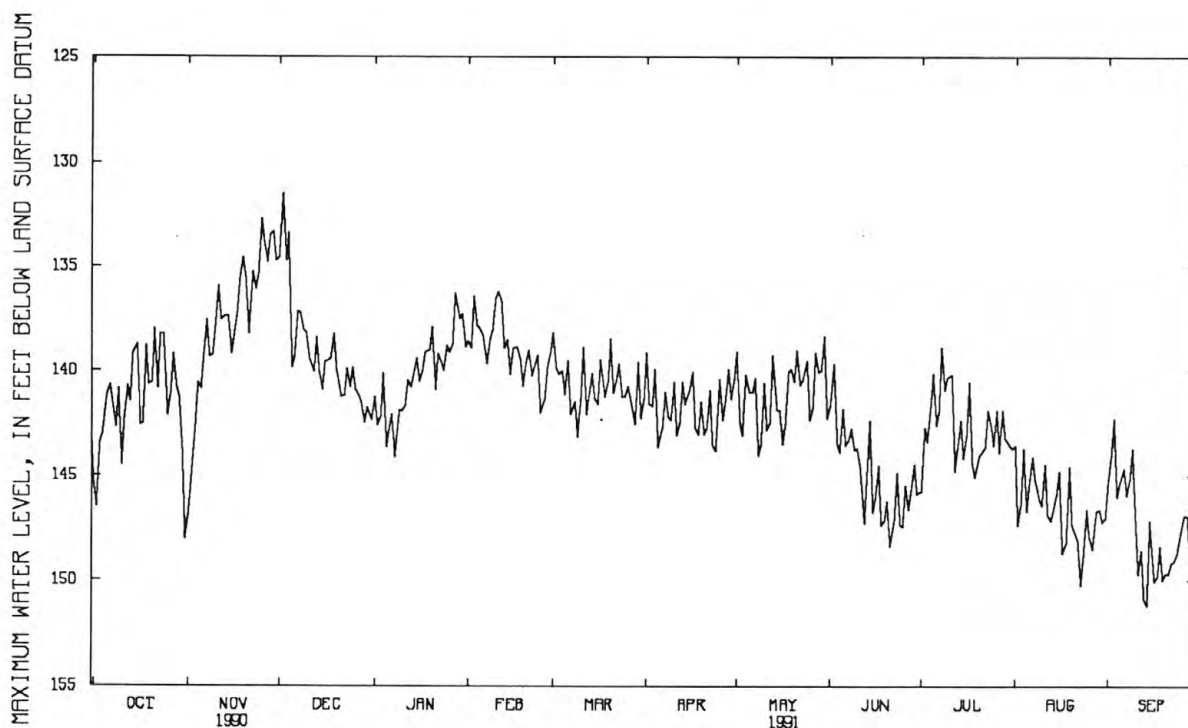
PERIOD OF RECORD.--February 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 118.8 ft below land-surface datum, Dec. 5, 1977, lowest, 202.39 ft below land-surface datum, Aug. 15, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	141.16	140.88	139.86	143.61	137.99	141.14	143.61	140.99	141.80	140.15	146.64	145.40
10	144.49	137.89	138.16	141.92	136.59	141.36	140.56	140.59	143.69	140.33	146.42	147.15
15	138.71	139.20	140.96	139.41	140.23	141.38	140.95	141.91	146.72	144.16	145.83	147.13
20	140.59	135.56	140.01	137.91	139.61	138.42	143.01	140.55	146.23	144.04	147.34	149.65
25	142.16	132.70	139.88	138.78	142.02	141.28	140.37	142.34	147.39	143.55	146.59	147.98
EOM	148.04	134.76	142.37	138.83	139.10	141.36	140.38	142.29	145.83	143.71	147.02	146.09

WTR YR 1991 MEAN 141.92 HIGH 131.54 DEC 2 LOW 151.21 SEP 14



LAFAYETTE COUNTY

342550089312801. Local number, B004.

LOCATION.--Lat 34°25'50", long 89°31'28", SW4NW4 sec.33, T.7 S., R.3 W., Chickasaw Meridian, Lafayette County, Hydrologic Unit 08030201, on west side of State Highway 7, 5.0 mi north of center of Oxford.

Owner: Champion Industries.

AQUIFER.--Sand of Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 248 ft, cased to 208 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 430 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of concrete base, 1.80 ft above land-surface datum.

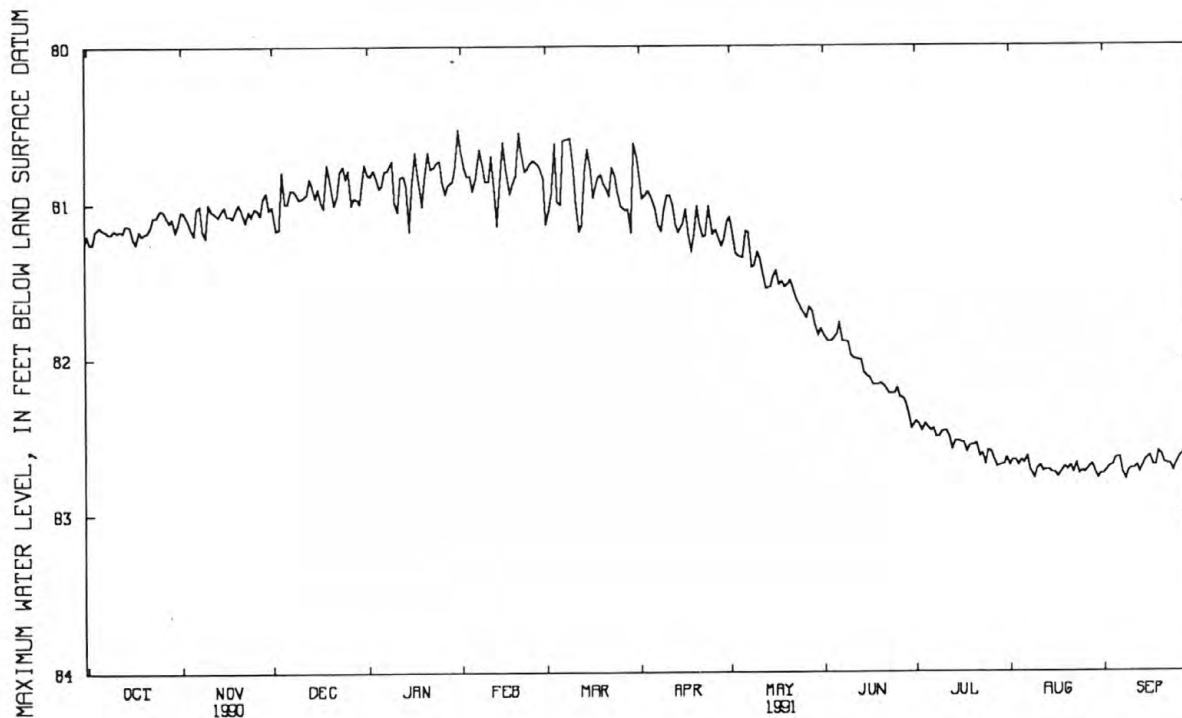
PERIOD OF RECORD.--October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 79.40 ft below land-surface datum, June 16, 1980, lowest, 84.64 ft below land-surface datum, Feb. 15, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	81.15	81.20	81.00	80.90	80.92	80.99	80.96	81.35	81.85	82.44	82.66	82.65
10	81.16	81.00	80.98	80.99	80.86	80.77	80.95	81.32	81.98	82.48	82.71	82.71
15	81.15	81.02	80.97	81.18	80.61	80.65	81.14	81.48	82.12	82.53	82.74	82.66
20	81.19	81.00	80.83	80.83	80.54	80.88	81.02	81.52	82.16	82.56	82.72	82.62
25	81.04	81.03	80.84	80.72	80.72	80.93	81.20	81.70	82.19	82.59	82.73	82.68
EOM	81.14	81.04	80.75	80.53	80.84	80.71	81.12	81.81	82.45	82.64	82.75	82.66

WTR YR 1991 MEAN 81.53 HIGH 80.53 JAN 31 LOW 82.78 SEP 8



LAFAYETTE COUNTY--Continued

342136089315001. Local number, F005.

LOCATION.--Lat 34°21'36", long 89°31'50", in NW4NE4 sec.29, T.8 S., R.3 W., Chickasaw Meridian, Lafayette County, Hydrologic Unit 08030203, at University of Mississippi, 1.0 mi southwest of center of Oxford.
 Owner: University of Mississippi.

AQUIFER.--Sand of Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in., depth 113 ft, cased to 98 ft.

INSTRUMENTATION.--Water-level recorder--60-minute punch.

DATUM.--Land-surface datum is 460 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of concrete base, 1.00 ft above land-surface datum.

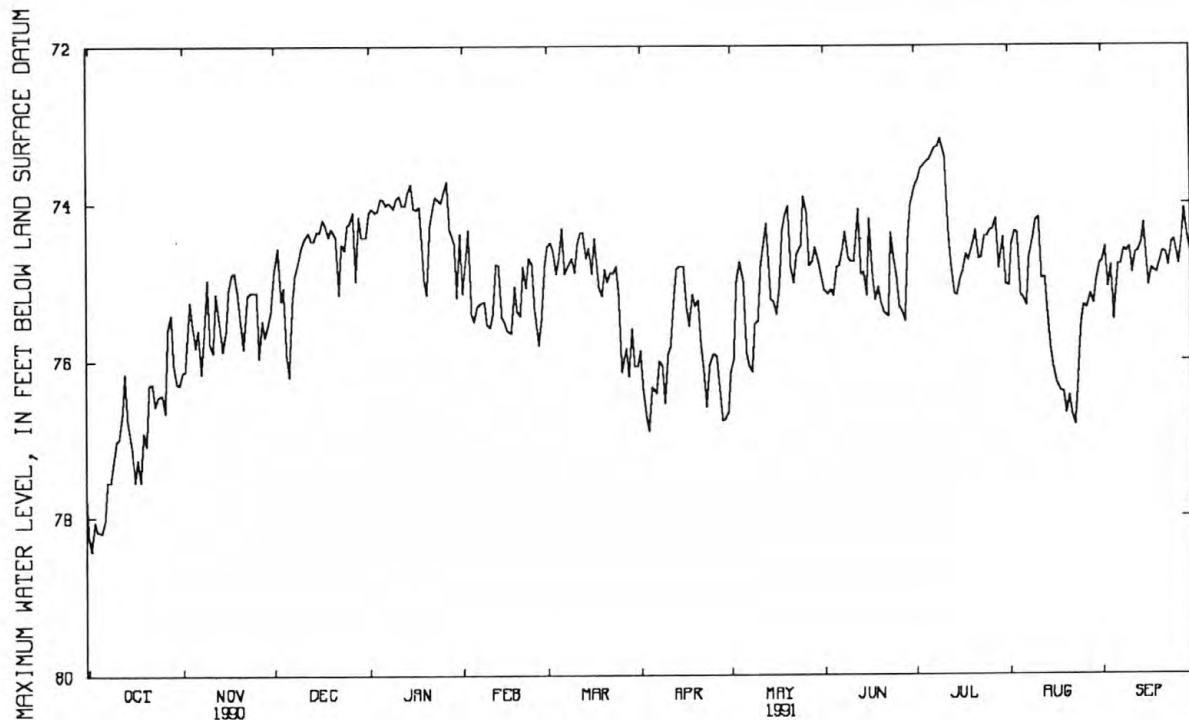
PERIOD OF RECORD.--Miscellaneous water-level measurement 1962, October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 71.14 ft below land-surface datum, Dec. 9, 1976,
 lowest measured, 82.00 ft below land-surface datum, March 30, 1962.

 WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
 LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	78.19	75.82	75.93	73.94	75.50	74.70	76.34	75.00	74.81	73.48	75.18	75.48
10	77.02	75.79	74.58	73.96	75.57	74.86	75.91	75.50	74.74	73.18	74.22	74.57
15	77.13	75.63	74.35	73.75	75.49	74.57	74.79	75.24	75.18	75.18	75.86	74.26
20	77.08	75.48	74.31	75.16	75.43	74.84	75.22	74.04	75.27	74.50	76.68	74.74
25	76.43	75.12	74.27	73.99	75.32	75.16	75.91	73.92	74.94	74.41	75.57	74.48
EOM	76.30	75.37	74.42	74.39	74.78	76.07	76.66	74.89	74.04	75.03	74.77	74.59

WTR YR 1991 MEAN 75.13 HIGH 73.18 JUL 10 LOW 78.42 OCT 2



LAMAR COUNTY

310935089252001. Local number, L063.

LOCATION.--Lat 31°09'35", long 89°25'20", in SE4SE4 sec.5, T.2 N., R.14 W., St. Stephens Meridian, Lamar County, Hydrologic Unit 03180004, 1.5 mi northwest of center of Purvis on State Highway 581 at elevated water tank.

Owner: Progress Water Association.

AQUIFER.--Sand of Catahoula Sandstone of early Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 960 ft, cased to 910 ft.

INSTRUMENTATION.--Water-level recorder--60-minute punch.

DATUM.--Land-surface datum is about 370 ft. above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 2.30 ft above land-surface datum.

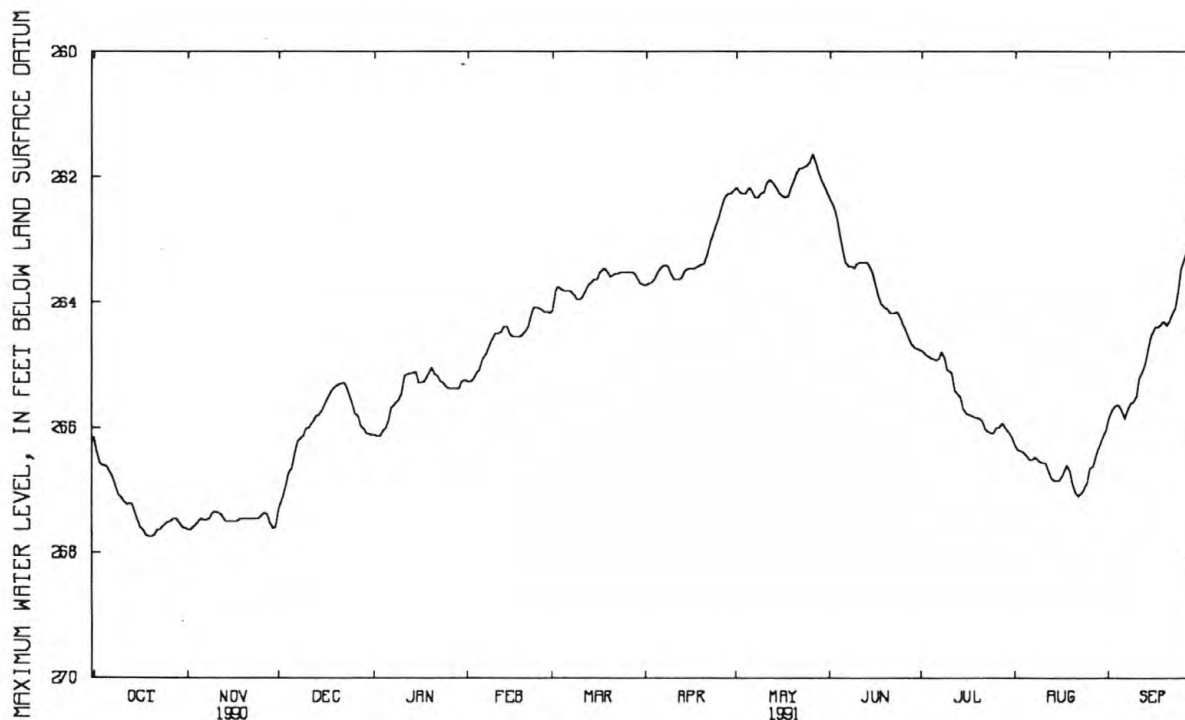
PERIOD OF RECORD.--Periodic water-level measurements 1968, September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 220 ft below land-surface datum, 1968, lowest measured, 268.03 ft below land-surface datum, Aug. 5, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	266.65	267.47	266.67	266.00	265.08	263.81	263.52	262.17	263.18	264.92	266.45	265.70
10	267.13	267.35	266.03	265.46	264.50	263.95	263.64	262.23	263.39	265.09	266.58	265.52
15	267.46	267.51	265.75	265.12	264.51	263.63	263.44	262.25	263.55	265.71	266.86	264.54
20	267.76	267.47	265.34	265.05	264.46	263.58	263.38	262.03	264.11	265.87	266.90	264.36
25	267.53	267.43	265.66	265.36	264.10	263.52	262.61	261.76	264.35	266.09	266.88	263.47
EOM	267.63	267.60	266.13	265.24	264.16	263.71	262.21	262.24	264.75	266.17	266.05	262.32

WTR YR 1991 MEAN 265.03 HIGH 261.63 MAY 26 LOW 267.76 OCT 19 AND OTHERS



LEE COUNTY

341527088432401. Local number, G013.

LOCATION.--Lat 34°15'27", long 88°15'18", in SE4NE4 sec.36, T.9 S., R.5 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, 1 mi west of center of Tupelo along State Highway 6.

Owner: City of Tupelo.

AQUIFER.--Sand of McShan Member of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 543 ft.

INSTRUMENTATION.--Water-level recorder--60-minute punch.

DATUM.--Land-surface datum is 270 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor at land-surface datum.

PERIOD OF RECORD.--Miscellaneous water-level measurements 1949, May 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level reported, 100 ft below land-surface datum, Dec. 8, 1949, lowest measured, 227.61 ft below land-surface datum, Sept. 5, 1990.

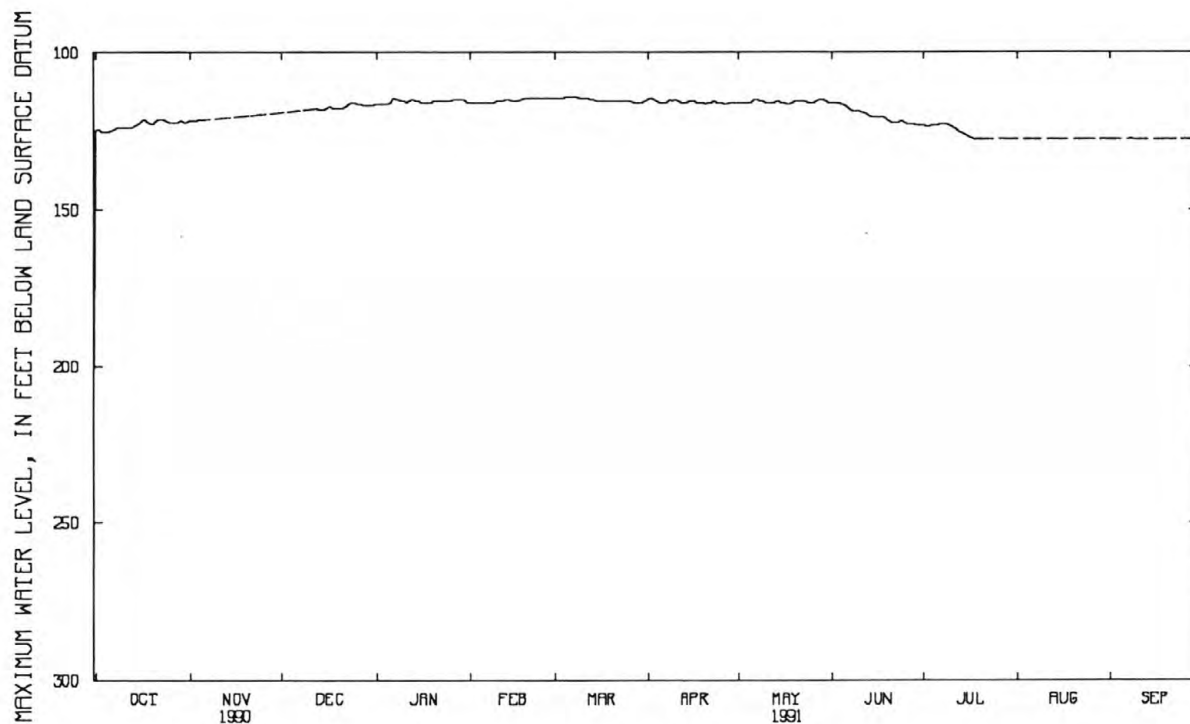
WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	125.35	---	---	116.61	116.06	114.33	116.02	115.80	116.88	123.17		
10	124.12	---	---	115.67	115.62	114.50	115.01	116.01	118.67	123.03		
15	122.60	---	118.17	115.64	115.57	115.49	115.56	115.88	120.56	126.16		
20	122.53	---	117.98	115.47	114.72	115.55	116.25	115.58	121.73	---		
25	122.08	---	115.89	115.71	114.46	115.55	116.06	116.08	122.50	---		
EOM	122.07	---	116.81	115.86	114.78	115.42	115.97	115.98	123.24	---		

WTR YR 1991

HIGH 114.33 MAR 5 AND OTHERS

LOW 127.67 JUL 18



GROUND-WATER LEVELS

LEFLORE COUNTY

333315090151801. Local number, G033.

LOCATION.--Lat 33°33'15", long 90°15'18", in NE4SW4 sec.36, T.20 N., R.1 W., Choctaw Meridian, Leflore County, Hydrologic Unit 08030207, 2.5 mi northwest of Greenwood along U.S. Highway 49.

Owner: John Carl.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 10 in, depth 110 ft.

INSTRUMENTATION.--Water-level recorder--60-minute punch.

DATUM.--Land-surface datum is 136 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--Periodic water-level measurements September 1982 to March 1983, April 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.11 ft below land-surface datum, Mar. 29, 1984, lowest water level measured 25.66 ft below land-surface datum, Nov. 28, 1988.

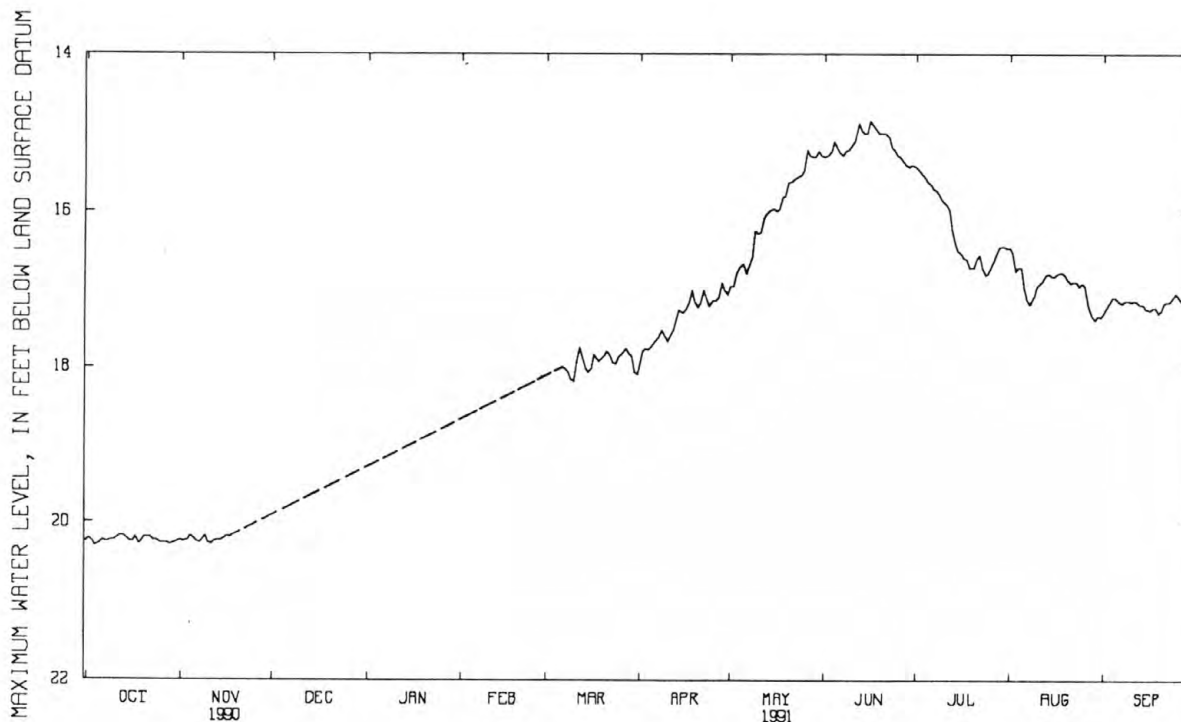
WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	20.29	20.21				---	17.73	16.67	15.19	15.63	16.72	17.10
10	20.23	20.27				18.18	17.67	16.29	15.16	15.86	16.96	17.15
15	20.25	20.21				18.08	17.29	15.97	14.99	16.51	16.84	17.25
20	20.20	---				17.85	17.22	15.62	14.99	16.73	16.87	17.27
25	20.27	---				17.88	17.14	15.48	15.28	16.80	16.93	17.05
EOM	20.24	---				18.09	17.07	15.28	15.41	16.48	17.36	17.16

WTR YR 1991

HIGH 14.84 JUN 16 LOW 20.30 OCT 4



MONROE COUNTY

334843088332601. Local number, L097.

LOCATION.--Lat. 33°48'43", long. 88°33'29", in SW4SW4 sec. 34, T. 14S., R. 7E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, at Vista Chemical in Aberdeen.

Owner: Vista Chemical Corp.

AQUIFER.--Sand of Coker Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 820 ft.

INSTRUMENTATION.--Water-level recorder--60-minute punch.

DATUM.--Land surface datum is 222 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

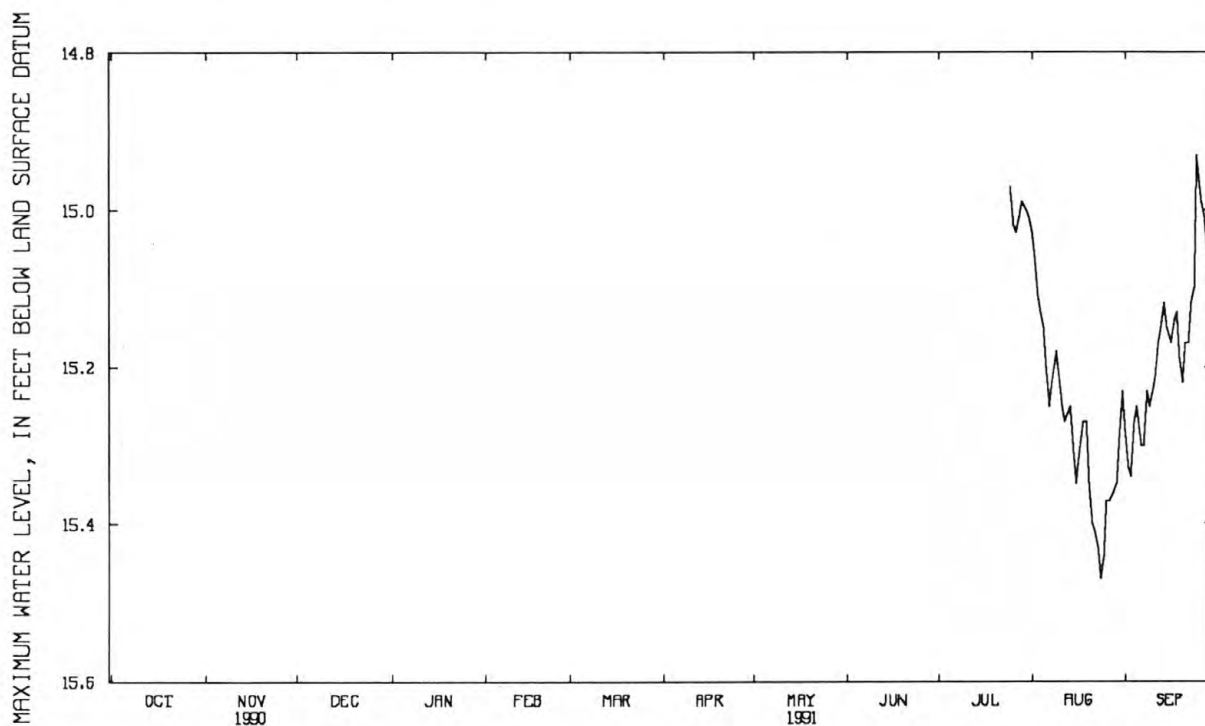
Measuring point: Top of recorder house floor, 2.10 ft above land-surface datum.

PERIOD OF RECORD.--Miscellaneous water-level measurement September 1988, July 1991 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 14.84 ft below land-surface datum, Sept. 25, 1991, lowest, 15.47 ft below land-surface datum, Aug. 24, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5										---	15.15	15.25
10										---	15.21	15.23
15										---	15.31	15.15
20										---	15.35	15.22
25										14.97	15.44	14.93
EOM										15.01	15.23	15.08
WTR YR 1991	MEAN	15.20	HIGH	14.93	SEP 25	LOW	15.47	AUG 24				



GROUND-WATER LEVELS

OKTIBBEHA COUNTY

332740088464303. Local number, G020.

LOCATION.--Lat. 33°27'13", long. 88°47'13", in NE4SW4 sec. 1, T. 18N., R 14E., Choctaw Meridian, Oktibbeah County, Hydrologic Unit 03160104, in a pump-house, behind Walker Engineering Building, at Mississippi State University. Owner: Mississippi State University.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 1425 ft.

INSTRUMENTATION.--Water-level recorder--60-minute punch.

DATUM.--Land surface datum is 380.16 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.00 ft above land-surface datum.

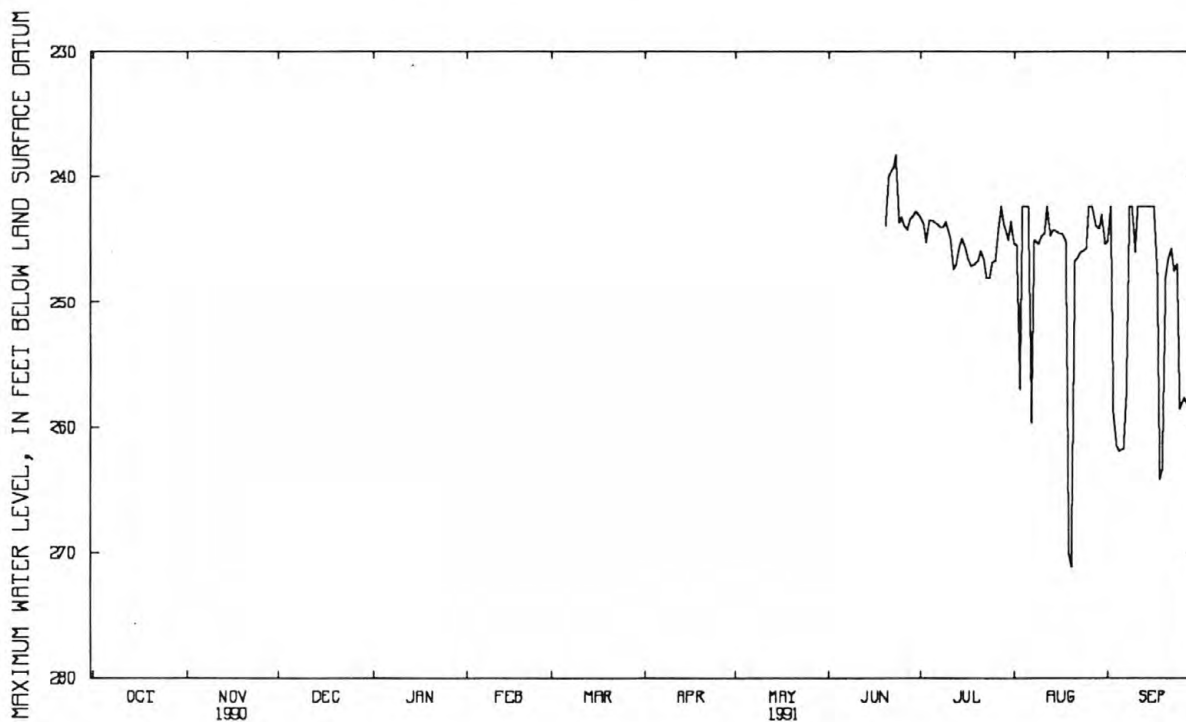
REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--Miscellaneous water-level measurements.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 234.00 ft below land-surface datum, Nov. 30, 1982, lowest, 271.21 ft below land-surface datum, Aug. 20, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5									---	243.38	242.31	261.98
10									---	243.53	244.83	246.01
15									---	244.88	244.36	242.31
20									243.88	246.66	271.21	247.92
25									243.16	246.76	245.65	258.58
EOM									242.80	243.56	245.30	---
WTR YR 1991	MEAN	246.82		HIGH	238.21	JUN 23		LOW	271.21	AUG 20		



PANOLA COUNTY

342332090060001. Local number, K012.

LOCATION.--Lat 34°23'20", long 90°05'57", in NW4NE4 sec.13, T.8 S., R.9 W., Chickasaw Meridian, Panola County, Hydrologic Unit 08030202, 10.0 mi northwest of center of Batesville.

Owner: Hall Farm.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 4 in, depth 28 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 181 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 1.20 ft above land-surface datum.

REMARKS.--Water level affected by seasonal pumping.

PERIOD OF RECORD.--May 1962, June 1982 to current year.

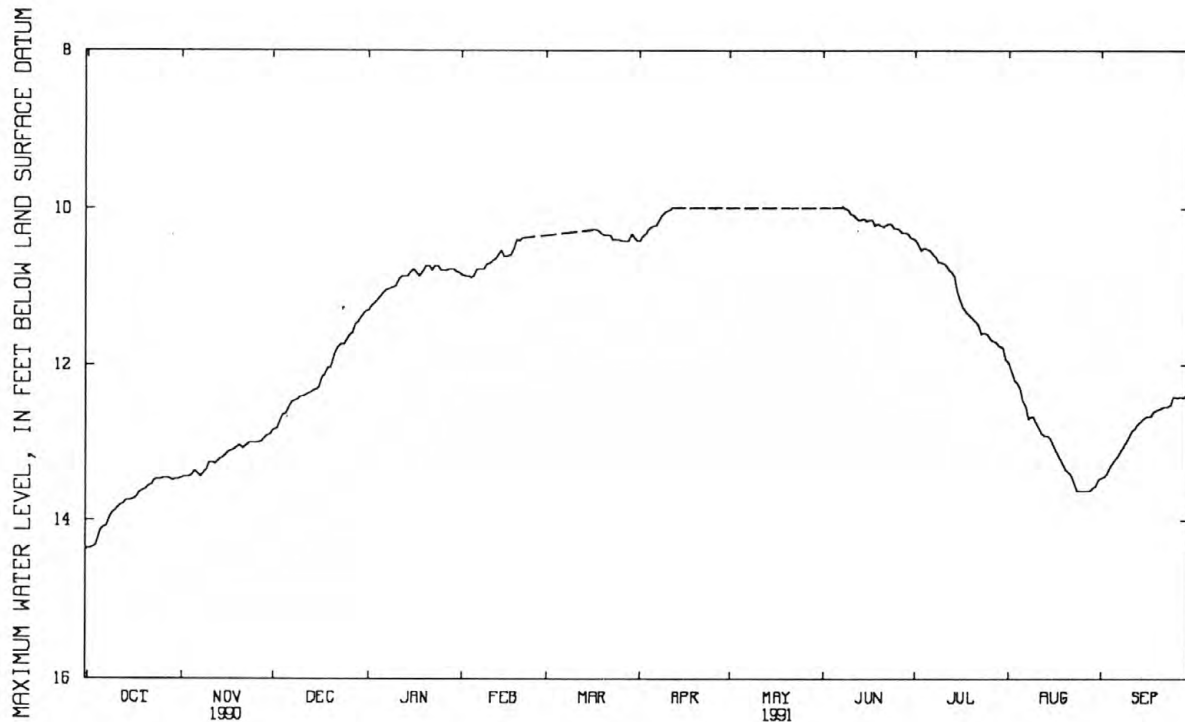
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 9.71 ft below land-surface datum, Feb. 28, 1989, lowest, 15.77 ft below land-surface datum, Sept. 19, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.12	13.37	12.63	11.12	10.87	---	10.24		---	10.53	12.33	13.26
10	13.86	13.26	12.42	11.00	10.70	---	10.05		10.08	10.68	12.74	12.93
15	13.74	13.17	12.33	10.81	10.61	---	---		10.17	11.04	12.96	12.70
20	13.60	13.05	12.03	10.74	10.41	10.34	---		10.22	11.41	13.35	12.58
25	13.47	13.00	11.68	10.79	---	10.40	---		10.25	11.61	13.61	12.41
EOM	13.48	12.90	11.32	10.83	---	10.41	---		10.39	11.92	13.48	12.37

WTR YR 1991

HIGH 9.97 JUN 7 LOW 14.36 OCT 1 AND OTHERS



PIKE COUNTY

311453090271302. Local number, D089.

LOCATION.--Lat 31°14'53", long 90°27'13", in NE4SE4 sec.1., T.3 N., R.7 E., Washington Meridian, Pike County, Hydrologic Unit 08070205, 0.6 mi northeast of center of McComb on Warren Street.

Owner: City of McComb.

AQUIFER.--Sand of Miocene Age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in, depth 606 ft.

DATUM.--Land-surface datum is 425 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of shelter floor, 1.20 ft above land-surface datum.

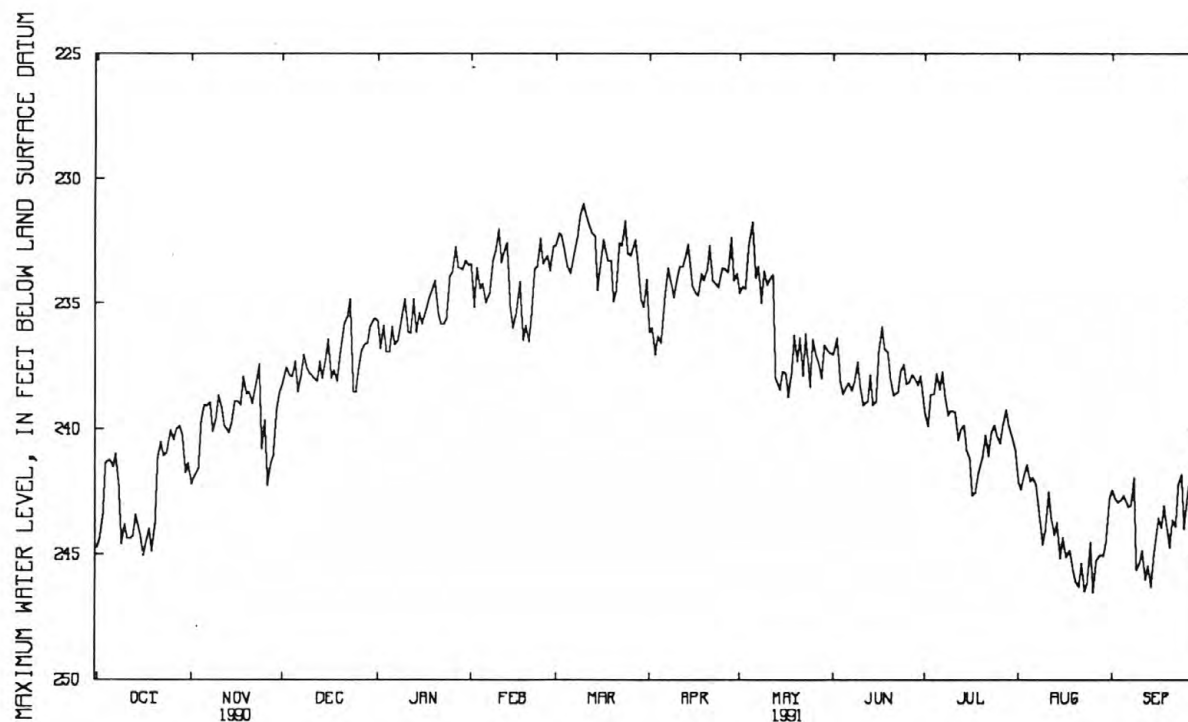
PERIOD OF RECORD.--July 1971, July 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 198 ft below land-surface datum, July 1, 1971, lowest measured, 251.17 ft below land-surface datum, Dec. 26, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	241.26	239.09	237.35	236.95	234.17	233.52	236.62	231.73	238.32	237.79	242.10	242.68
10	243.82	238.69	237.78	234.80	232.01	230.98	234.03	234.22	238.28	239.28	244.05	245.37
15	244.21	238.88	237.21	235.35	235.97	234.47	234.31	237.75	238.88	240.86	245.19	245.07
20	243.83	238.54	237.19	234.10	236.56	234.94	233.63	237.33	237.99	241.11	246.11	244.72
25	240.11	239.67	238.58	233.88	233.38	232.99	233.57	236.46	238.25	240.33	244.52	243.99
EOM	241.40	238.65	235.61	233.47	232.73	234.00	233.80	237.02	237.89	240.86	242.79	242.62

WTR YR 1991 MEAN 238.17 HIGH 230.98 MAR 10 LOW 246.52 AUG 26



SUNFLOWER COUNTY

332826090441601. Local number, M038.

LOCATION.--Lat 33°28'26", long 90°44'16", NE¼NW¼ sec.29, T.19 N., R.5 W., Choctaw Meridian, Sunflower County, Hydrologic Unit 08030207, 2.7 mi north of U.S. Highway 82 near Indian Bayou.

Owner: James Robertson.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16 in, depth 110 ft.

INSTRUMENTATION.--Water-level recorder--60-minute punch.

DATUM.--Land-surface datum is 123 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house, 0.50 ft above land-surface datum.

PERIOD OF RECORD.--Periodic water-level measurements September 1980 to December 1982, January 1983 to current year.

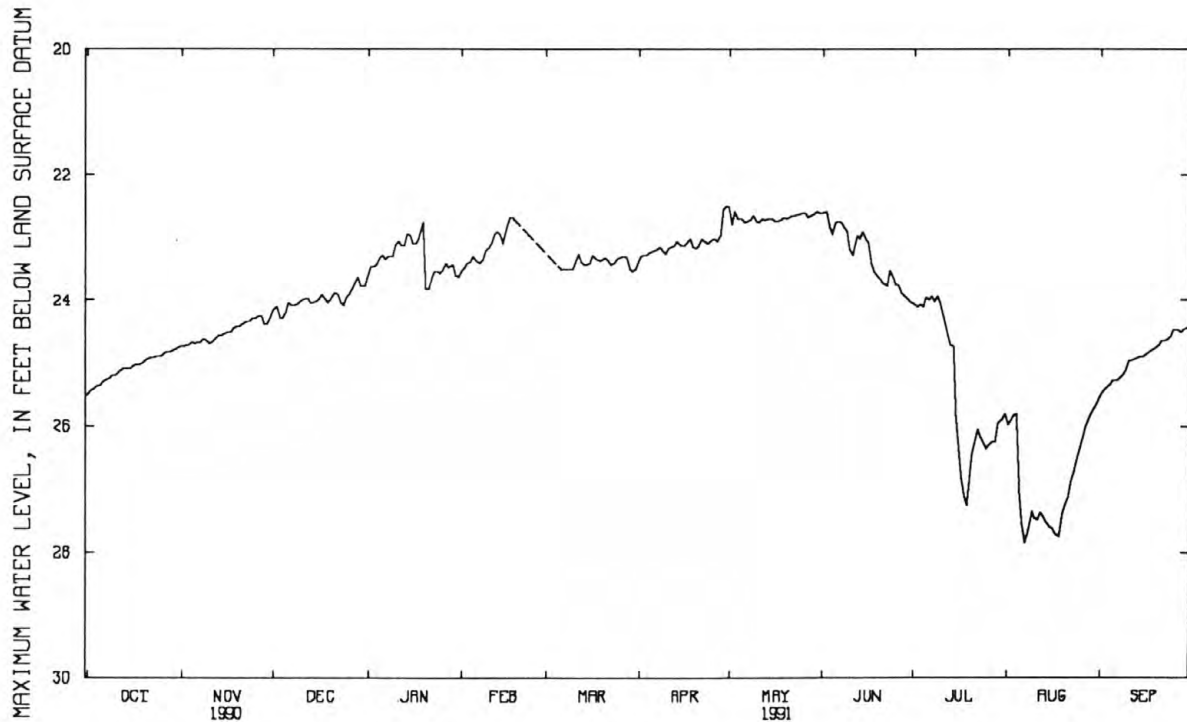
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.70 ft below land-surface datum, Jan. 8, 1986, lowest measured, 30.90 ft below land-surface datum, Aug. 4, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	25.35	24.68	24.20	23.31	23.30	---	23.23	22.69	22.76	23.95	27.08	25.28
10	25.20	24.69	24.02	23.11	23.16	23.49	23.24	22.72	23.18	24.04	27.46	24.96
15	25.08	24.53	24.01	22.95	23.08	23.43	23.12	22.69	23.01	25.85	27.60	24.88
20	24.95	24.41	23.98	23.81	---	23.34	23.16	22.68	23.66	26.45	27.26	24.71
25	24.88	24.28	23.94	23.56	---	23.33	23.02	22.59	23.74	26.38	26.38	24.47
EOM	24.75	24.27	23.77	23.64	---	23.50	22.48	22.60	24.01	25.81	25.58	24.42

WTR YR 1991

HIGH 22.48 APR 30 LOW 27.86 AUG 7



WARREN COUNTY

322310090530202. Local number, J004.

LOCATION.--Lat 32°23'10", long 90°53'02", in SW4SW4 sec.2, T.16 N., R.3 E., Washington Meridian, Warren County, Hydrologic Unit 08030208, on north side of Industrial Road, 2.5 mi northwest of center of Vicksburg.

Owner: City of Vicksburg.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 10 in, depth 170 ft, cased to 150 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 90 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Bottom of recorder house floor, 17.26 ft above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

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

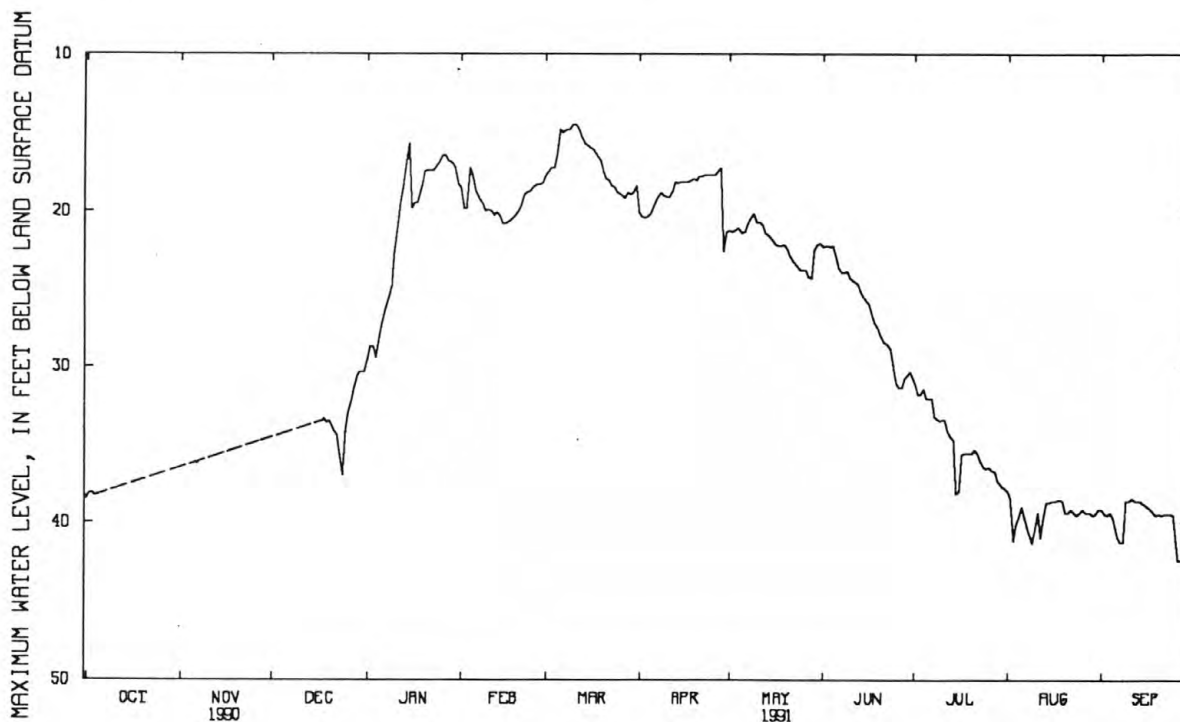
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.60 ft below land-surface datum, Apr. 17, 1975, lowest, 53.98 ft below land-surface datum, Feb. 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	28.23	17.69	16.45	20.24	21.43	22.98	32.05	39.54	39.68
10	---	---	---	22.74	19.92	14.46	19.11	20.78	24.32	33.52	40.51	38.65
15	---	---	---	15.69	20.85	15.77	18.17	21.93	25.77	38.14	38.72	38.82
20	---	---	33.51	17.53	20.07	17.54	18.02	22.42	28.04	35.53	39.37	39.44
25	---	---	34.23	16.88	18.54	18.88	17.67	23.80	31.05	36.52	39.35	39.48
EOM	---	---	30.33	18.29	18.20	18.41	21.39	22.13	30.40	37.80	39.18	42.28

WTR YR 1991

HIGH 14.44 MAR 11 LOW 42.44 SEP 27



WASHINGTON COUNTY

332127091032701. Local number, D056.

LOCATION.--Lat. 33°21'25", long. 91°03'18", in SW4SW4 sec. 34, T. 18N., R. 8E., Choctaw Meridian, Washington County, Hydrologic Unit 08030209, 3.0 mi southwest of intersection of State Hwy 1 and US Highway 82, on Tenn Gas road.

Owner: Tennco

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of Middle Eocene Age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 411 ft.

INSTRUMENTATION.--Water-level recorder--60-minute punch.

DATUM.--Land surface datum is 125 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 2.80 ft above land-surface datum.

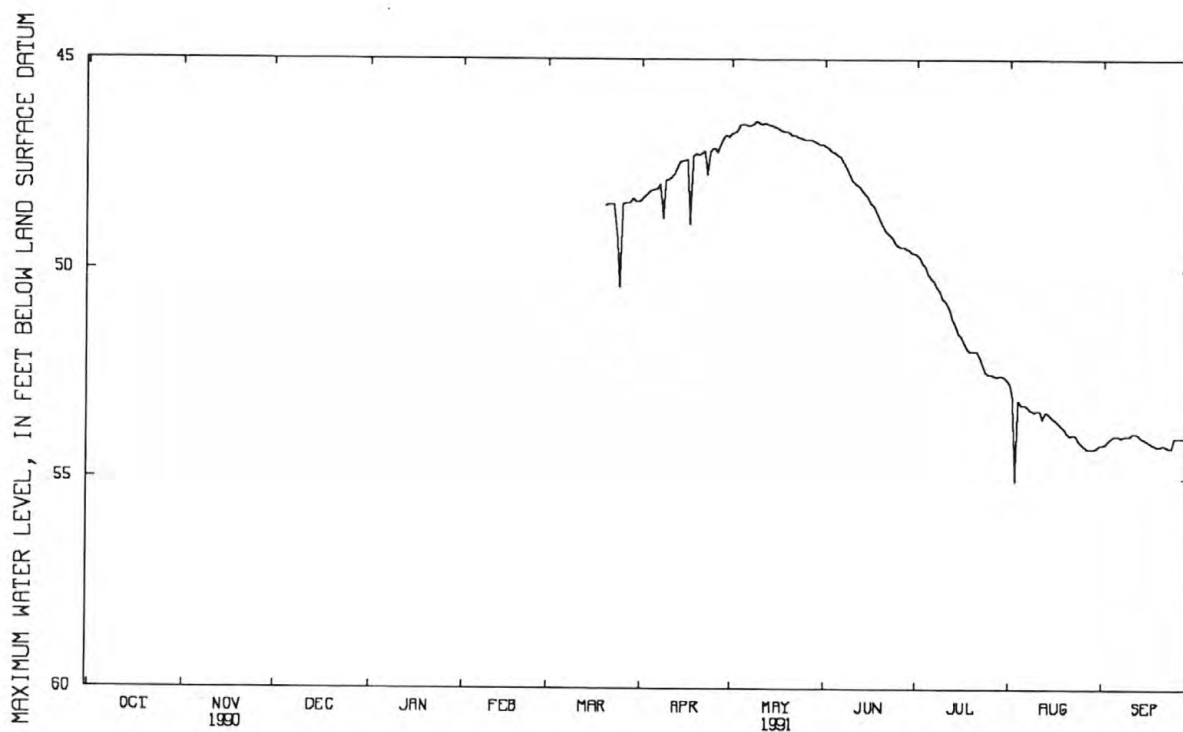
REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--March 1991 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 46.44 ft below land-surface datum, May 9, 1991, lowest, 55.07 ft below land-surface datum, Aug. 3, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5						---	48.13	46.52	47.29	50.12	53.24	53.99
10						---	47.85	46.50	47.84	50.68	53.37	53.98
15						---	47.42	46.60	48.30	51.51	53.51	54.05
20						48.50	47.27	46.75	48.93	51.96	53.92	54.23
25						50.46	47.12	46.90	49.42	52.50	54.15	54.03
EOM						48.40	46.83	47.00	49.59	52.62	54.18	53.98
WTR YR 1991			HIGH	46.47	MAY 9	LOW	55.07	AUG 3				



GROUND-WATER LEVELS

WASHINGTON COUNTY

3324320910931503. Local number, D067.

LOCATION.--Lat. 33°24'26", long. 91°02'56", in irregular sec.4,T. 18N., R.8W., Choctaw Meridian, Washington County, Hydrologic Unit 08030209, 0.2 mi northeast of Center of Greenville at Alexander Street and Illinois Central Railroad

Owner: Janitors' Supply (formerly Itzig Company).

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of Middle Eocene Age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 514 ft.

INSTRUMENTATION.--Water-level recorder--60-minute punch.

DATUM.--Land surface datum is 125.07 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.80 ft above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

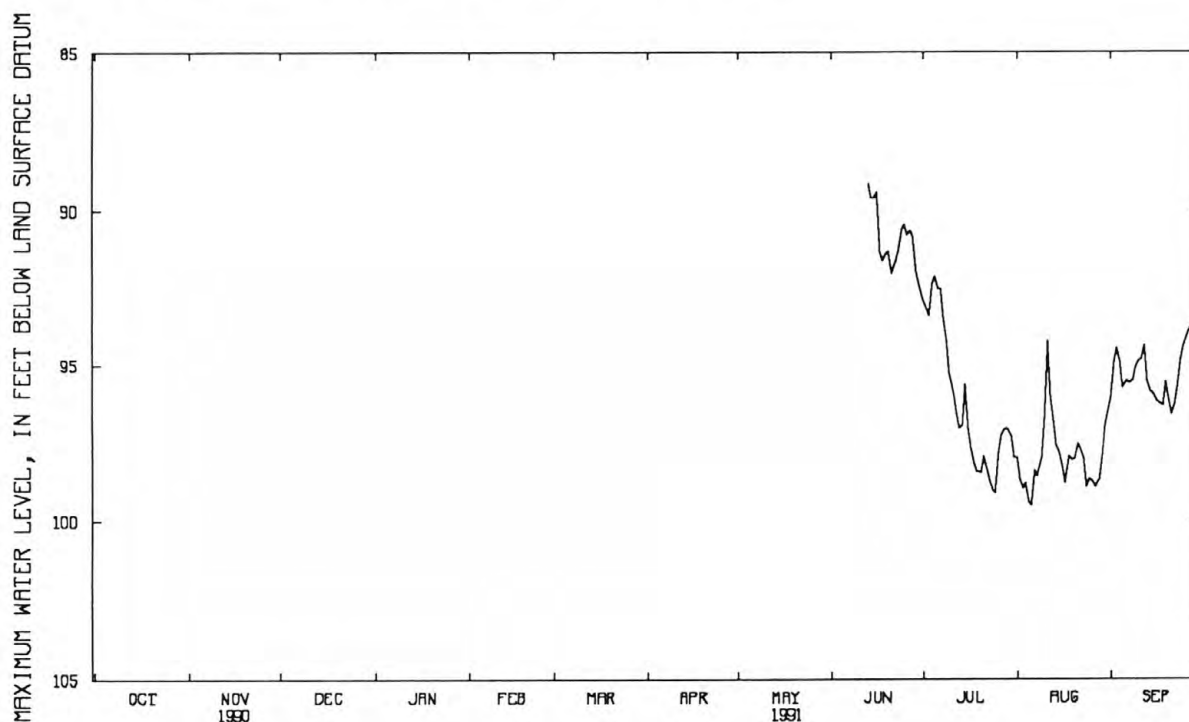
PERIOD OF RECORD.--Miscellaneous measurements 1959, 1976; May 1991 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 86.05 ft below land-surface datum, May 1, 1991, lowest 102.20 ft below land-surface datum, Mar. 31, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5									---	92.12	99.38	95.72
10									---	95.28	96.73	94.88
15									89.60	95.64	97.85	95.89
20									91.30	98.45	97.99	96.12
25									90.45	99.09	98.63	94.43
EOM									92.37	97.98	96.44	93.72

WTR YR 1991 MEAN 95.55 HIGH 89.18 JUN 13 LOW 99.49 AUG 6



WASHINGTON COUNTY

332242091030401. Local number, D176.

LOCATION.--Lat 33°22'42", long 91°03'04", in NE¼ sec.33, T.18 N., R.5 W., Choctaw Meridian, Washington County, Hydrologic Unit 08030207, on State Highway 1, 0.5 mi southwest of Bowman Blvd in Greenville.

Owner: Maclean Bowman.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 6 in, depth 70 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 123 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 2.35 ft above land-surface datum.

REMARKS.--Water level affected by seasonal pumping.

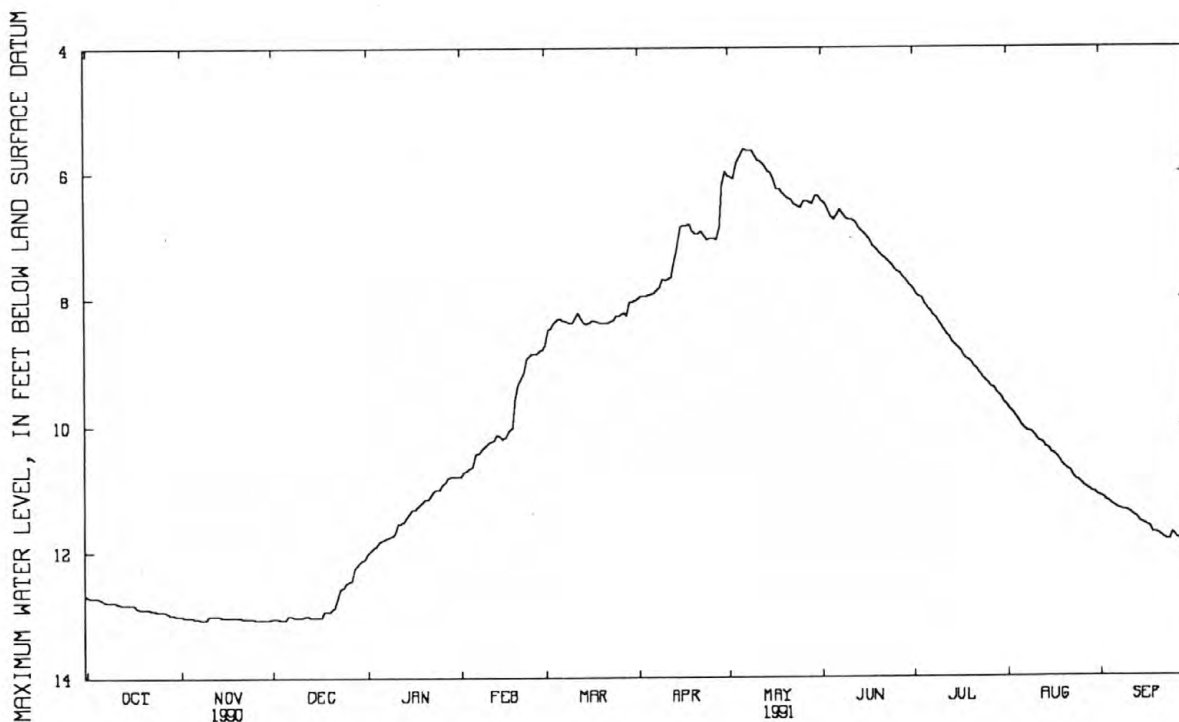
PERIOD OF RECORD.--May 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 6.93 ft below land-surface datum, June 5, 1990, lowest, 16.57 ft below land-surface datum, Jan. 4, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.74	13.06	13.08	11.85	10.66	8.32	7.92	5.73	6.74	8.07	9.95	11.29
10	12.80	13.03	13.04	11.71	10.28	8.37	7.70	5.73	6.74	8.36	10.17	11.41
15	12.85	13.04	13.05	11.41	10.21	8.39	6.84	6.00	6.96	8.73	10.39	11.58
20	12.91	13.05	12.95	11.17	9.33	8.36	6.95	6.36	7.25	9.01	10.68	11.76
25	12.96	13.08	12.51	11.01	8.86	8.26	7.02	6.55	7.52	9.29	10.90	11.74
EOM	13.02	13.09	12.13	10.83	8.79	8.02	5.96	6.36	7.76	9.64	11.14	11.93

WTR YR 1991 MEAN 9.97 HIGH 5.60 MAY 6 LOW 13.09 NOV 28 AND OTHERS



GROUND-WATER LEVELS

WASHINGTON COUNTY--Continued

332223091043301. Local number, D178.

LOCATION.--Lat 33°22'23", long 91°04'33", in sec.10, T.18 N., R.9 W., Choctaw Meridian, Washington County, Hydrologic Unit 08030209, 2.5 mi north of intersection of Stat Highway 82 in Greenville.

Owner: City of Greenville.

AQUIFER.--Mississippi river Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 4 in, depth 42 ft.

DATUM.--Land-surface datum is about 124 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.60 ft above land-surface datum.

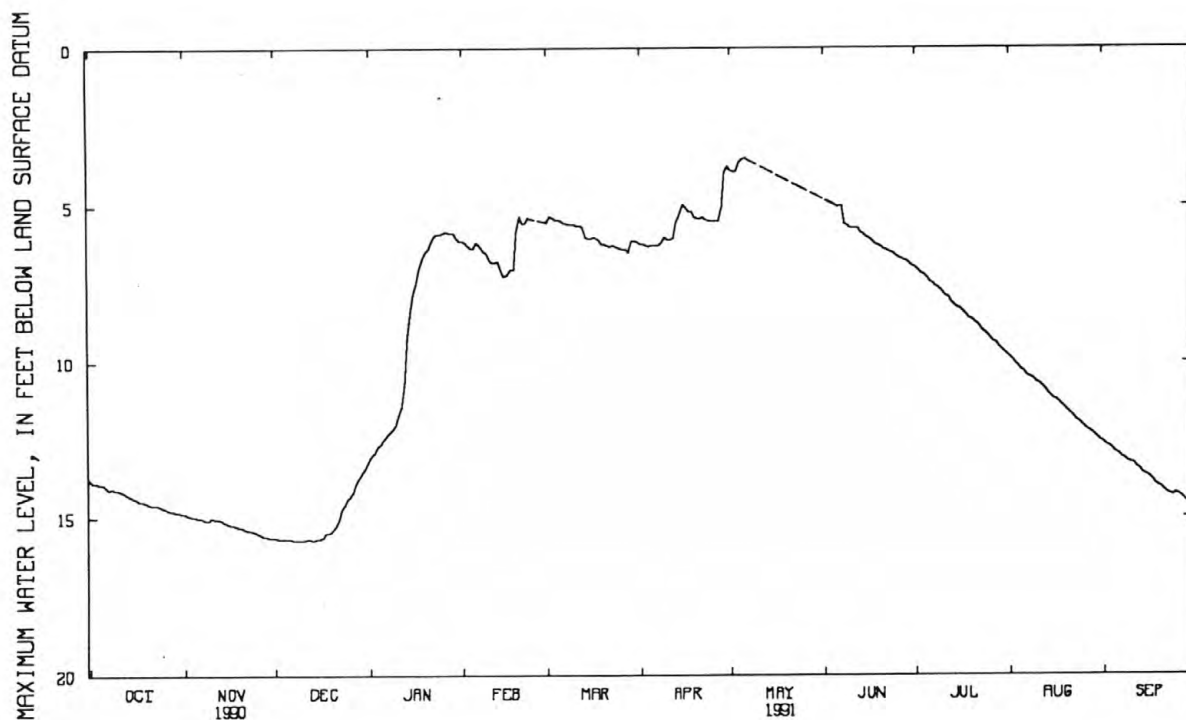
REMARKS.--Water level affected by seasonal pumping.

PERIOD OF RECORD.--May 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.19 ft above land-surface datum, May 19, 1983, lowest measured, 21.11 ft below land-surface datum, Oct. 5, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	13.91	14.98	15.67	12.64	6.36	5.48	6.27	3.54	---	7.31	10.25	12.91
10	14.10	14.98	15.70	12.02	6.74	5.58	6.09	---	5.71	7.72	10.67	13.26
15	14.35	15.15	15.67	8.38	7.24	6.05	4.99	---	5.99	8.23	11.10	13.65
20	14.53	15.32	15.43	6.43	5.31	6.24	5.43	---	6.31	8.67	11.59	14.05
25	14.68	15.48	14.41	5.89	---	6.35	5.51	---	6.62	9.12	12.00	14.24
EOM	14.85	15.61	13.38	6.12	---	6.20	3.76	---	6.90	9.73	12.56	14.60
WTR YR 1991	MEAN	10.12	HIGH	3.48	MAY 6	LOW	15.71	DEC 9				



WASHINGTON COUNTY--Continued

330227090592001. Local number, S004.

LOCATION.--Lat 33°02'27", long 90°59'20", in SW4SE4 sec.28, T.14 N., R.8 W., Choctaw Meridian, Washington County, Hydrologic Unit 08030209, on south side of State Highway 436, 1.2 mi northeast of center of Hampton.

Owner: Agricultural Chemical Corporation.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 12 in, depth 105 ft, screened 80-105 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 111.24 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.95 ft above land-surface datum.

REMARKS.--Water level affected by seasonal pumping.

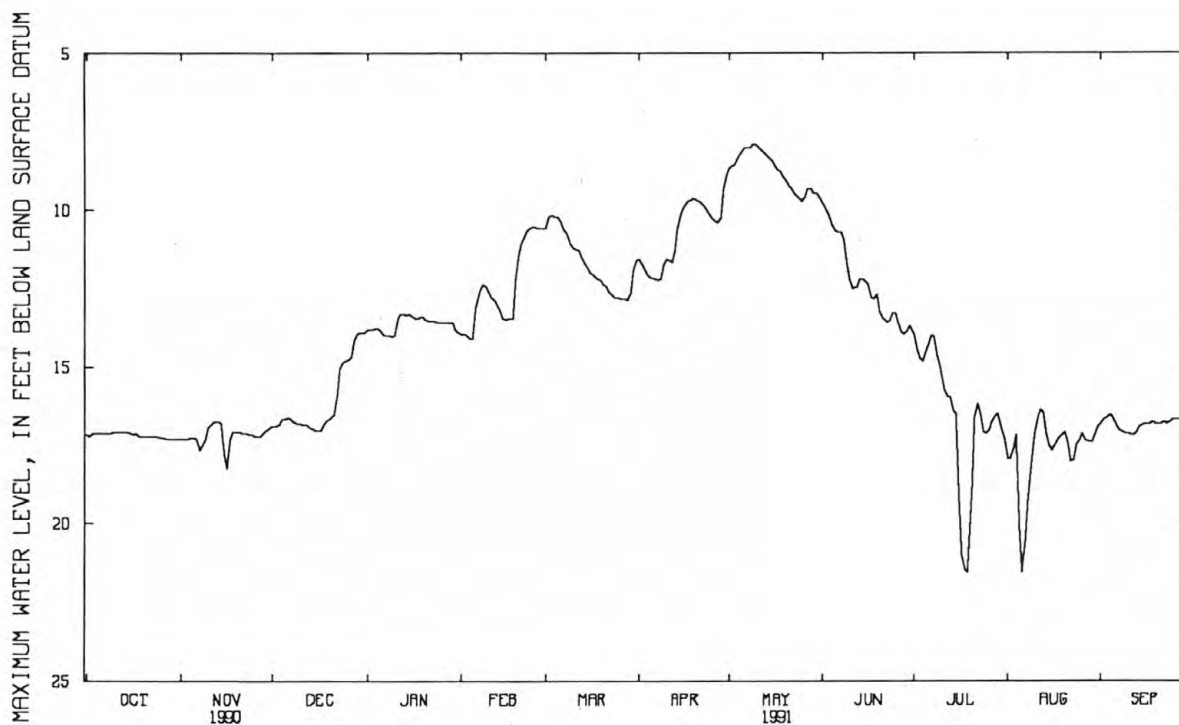
PERIOD OF RECORD.--January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 5.8 ft below land-surface datum, May 13, 1958, lowest, 23.66 ft below land-surface datum, Aug. 18, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	17.13	17.25	16.66	13.84	14.08	10.23	12.18	8.15	10.69	14.57	20.27	16.56
10	17.07	16.93	16.81	14.03	12.63	11.21	11.58	7.96	12.23	14.97	17.10	17.13
15	17.12	17.81	17.00	13.34	13.46	11.87	10.08	8.44	12.29	16.46	17.51	16.84
20	17.18	17.08	16.65	13.51	11.46	12.40	9.72	9.11	13.23	18.87	17.05	16.80
25	17.24	17.19	14.83	13.62	10.57	12.80	10.26	9.75	13.30	17.13	17.32	16.65
EOM	17.30	16.98	13.92	13.92	10.61	11.62	8.93	9.62	13.71	17.30	16.90	16.60

WTR YR 1991 MEAN 14.28 HIGH 7.90 MAY 9 LOW 21.56 JUL 19



GROUND-WATER LEVELS

WEBSTER COUNTY

333021089202901. Local number, M028.

LOCATION.--Lat 33°30'21", long 89°20'29", in SE4SW4 sec.15, T.19 N., R.9 E., Choctaw Meridian, Webster County, Hydrologic Unit 08060201, off U.S. Highway 82, 5.0 mi southwest of center of Eupora.

Owner: Town of Eupora.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 6 in, depth 344 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 395 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder floor, 2.75 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--April 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 98.09 ft below land-surface datum, Apr. 29, 1985, lowest, 140.37 ft below land-surface datum, June 16, 1988.

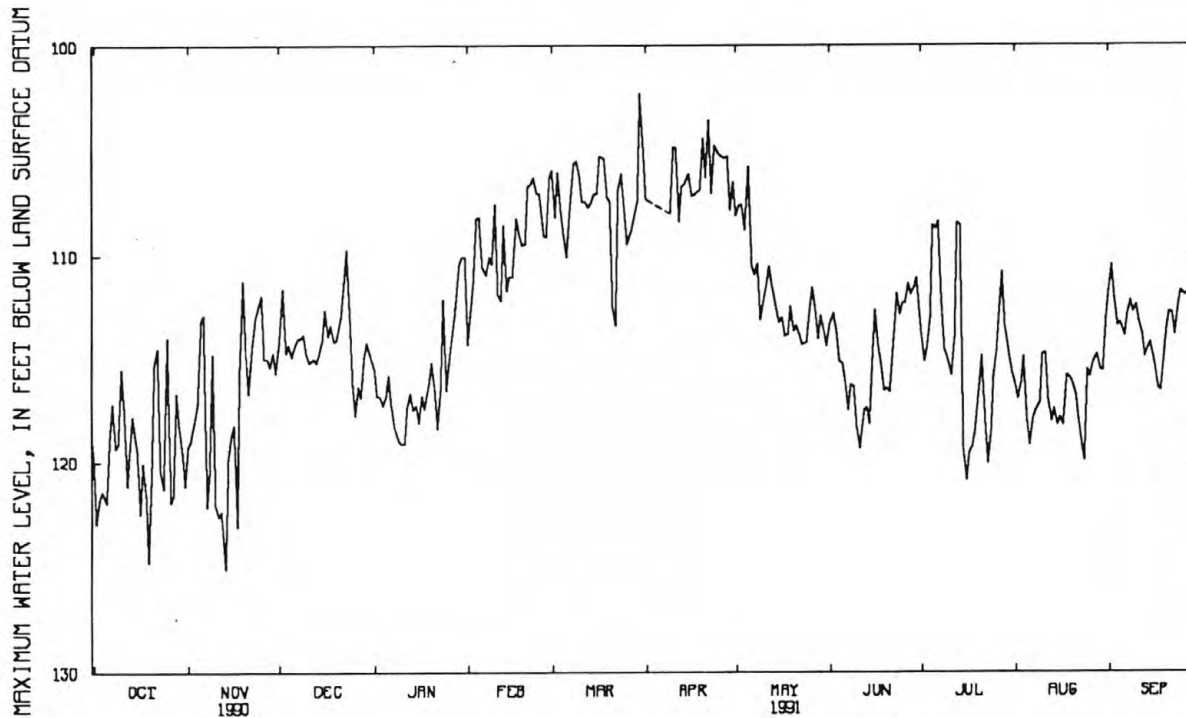
WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	25.35	24.68	24.20	23.31	23.30	---	23.23	22.69	22.76	23.95	27.08	25.28
10	25.20	24.69	24.02	23.11	23.16	23.49	23.24	22.72	23.18	24.04	27.46	24.96
15	25.08	24.53	24.01	22.95	23.08	23.43	23.12	22.69	23.01	25.85	27.60	24.88
20	24.95	24.41	23.98	23.81	---	23.34	23.16	22.68	23.66	26.45	27.26	24.71
25	24.88	24.28	23.94	23.56	---	23.33	23.02	22.59	23.74	26.38	26.38	24.47
EOM	24.75	24.27	23.77	23.64	---	23.50	22.48	22.60	24.01	25.81	25.58	24.42

WTR YR 1991

HIGH 22.48 APR 30

LOW 27.86 AUG 7



YAZOO COUNTY

324615090375001. Local number, J013. (USCE L7Y2)

LOCATION.--Lat 32°46'15", long 90°37'50", in SE4NW4 sec.19, T.11 N., R.4 W., Choctaw Meridian, Yazoo County, Hydrologic Unit 08030207, 5.5 mi southeast of center of Holly Bluff.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 4 in, depth 74 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 98.74 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.11 ft above land-surface datum.

REMARKS.--Water levels affected by Yazoo River stage.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 3.24 ft below land-surface datum, June 5, 1983, lowest, 25.90 ft above land-surface datum, Jan. 3, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	20.99	21.15	21.11	17.27	14.74			10.62	9.76	---	17.07	17.41
10	21.02	21.13	20.78	16.72	15.38			10.01	---	---	16.94	17.62
15	21.06	21.16	21.06	15.86	15.96			9.88	10.63	---	17.07	17.63
20	21.06	21.15	21.13	15.24	14.91			9.68	---	---	17.33	17.80
25	21.07	21.15	18.61	14.89	13.85			9.48	---	16.20	17.36	17.74
EOM	21.13	21.17	17.84	14.69	13.68			9.34	---	16.21	17.42	17.92

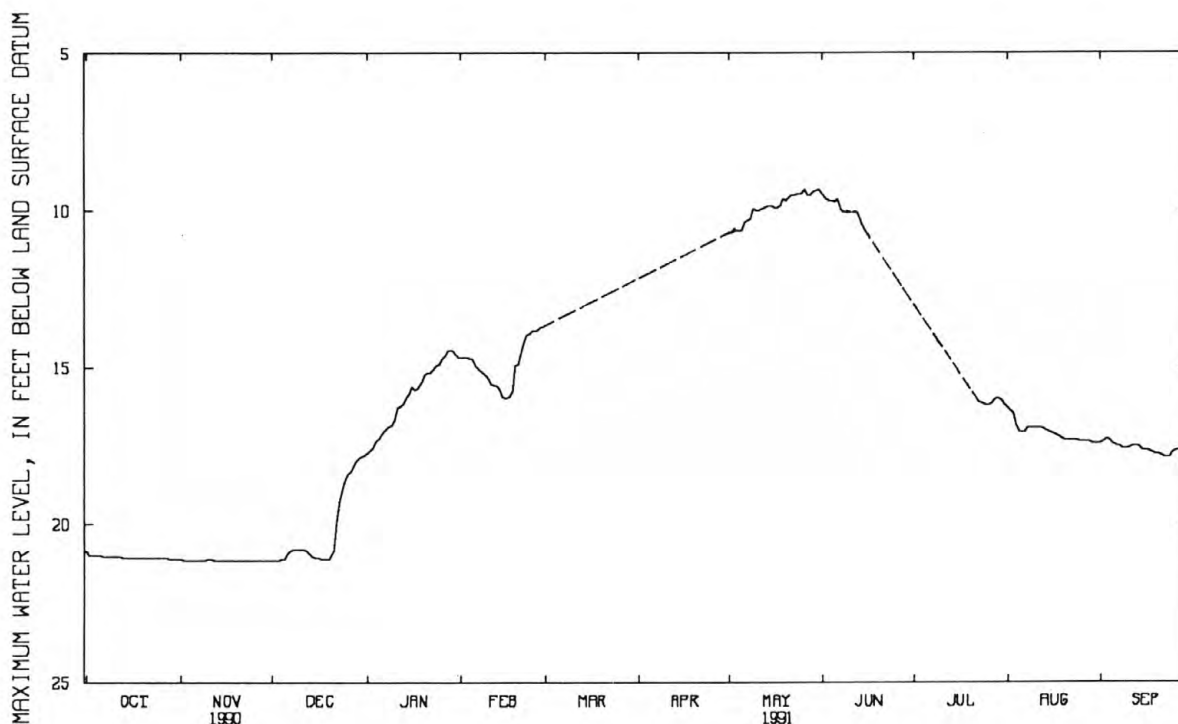
WTR YR 1991

HIGH

9.34 MAY 31

LOW

21.17 NOV 29 AND OTHERS



YAZOO COUNTY--Continued

324419090351201. Local number, P018. (USCE L7Y3)

LOCATION.--Lat 32°44'19", long 90°35'12", in SW4SW4 sec.2, T.10 N., R.4 W., Choctaw Meridian, Yazoo County, Hydrologic Unit 08030207, 5.0 mi northwest of Satartia.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 4 in, depth 53 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 101.59 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.94 ft above land-surface datum.

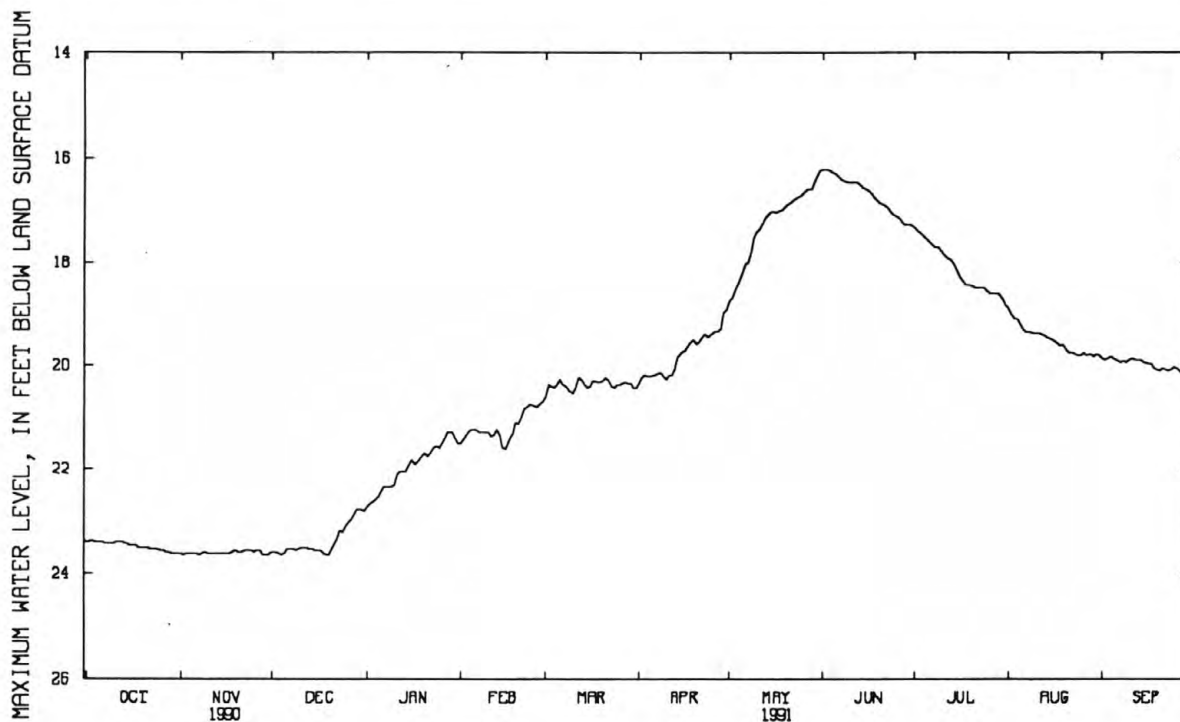
REMARKS.--Water level affected by Yazoo River stage.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 15.72 ft below land-surface datum, May 7, 1980, lowest, 29.45 ft below land-surface datum, July 11, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	23.39	23.61	23.61	22.53	21.23	20.39	20.22	18.22	16.32	17.55	19.18	19.87
10	23.43	23.62	23.53	22.31	21.28	20.55	20.26	17.41	16.46	17.77	19.37	19.89
15	23.46	23.61	23.55	21.91	21.60	20.42	19.77	17.03	16.60	18.15	19.50	19.95
20	23.50	23.58	23.63	21.70	21.12	20.29	19.59	16.91	16.87	18.46	19.69	20.10
25	23.57	23.58	23.11	21.58	20.78	20.39	19.40	16.69	17.11	18.55	19.81	20.02
EOM	23.62	23.64	22.79	21.51	20.71	20.44	18.93	16.26	17.27	18.82	19.82	20.16
WTR YR 1991	MEAN	20.45	HIGH	16.22	JUN 1	AND OTHERS	LOW	23.64	NOV 29	AND OTHERS		



ADAMS COUNTY

313414091224201. Local number, C050.

LOCATION.--Lat 31°34'30", long 91°22'42", in irregular sec. 16, T. 7 N., R. 3 W., Washington Meridian, Adams County, Hydrologic Unit 08060204, 1.5 mi northeast of center of Natchez on George S. West Blvd.

Owner: City of Natchez

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled public supply artesian well, diameter 16 in, depth 864 ft.

DATUM.--Land-surface datum is 210 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Air vent on east side of pump base, 2.40 ft. above land-surface datum.

PERIOD OF RECORD.--August 1980, October 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 148.0 ft below land-surface datum, Aug. 1, 1980;

lowest measured, 164.10 ft below land-surface datum, Oct. 11, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 23	159.01
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312730091200602. Local number, G007.

LOCATION.--Lat 31°27'30", long 91°20'06", in NE¼NW¼ Lot 41, T.6 N., R.2 W., Washington Meridian, Adams County, Hydrologic Unit 08060205, 8 mi southeast of center of Natchez on Kingston Road.

Owner: Adams County Water Association.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 267 ft, cased to 217 ft.

DATUM.--Land-surface datum is 220 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Air vent in pump base, 3.00 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.03 ft below land-surface datum, Mar. 30, 1979,

lowest measured, 72.40 ft below land-surface datum, Nov. 7, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 23	62.71
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312752091202201. Local number, G021.

LOCATION.--Lat 31°27'52", long 91°20'22", in NE¼NW¼ Lot 41, T.6 N., R.2 W., Washington Meridian, Adams County, Hydrologic Unit 08060205, 8 mi southeast of center of Natchez on Kingston Road.

Owner: Adams County Water Association.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 880 ft, cased to 8.40 ft.

DATUM.--Land-surface datum is 223 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

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, 161.66 ft below land-surface datum, April 23, 1991,

lowest measured, 171.97 ft below land-surface datum, Apr. 9, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 23	161.66
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ALCORN COUNTY

344642088340501. Local number, K011.

LOCATION.--Lat 34°46'42", long 88°34'05", in NW¼NE¼ sec.33, T.3 S., R.7 E., Chickasaw Meridian, Alcorn County, Hydrologic Unit 08010207, 3 mi northwest of center of Rienzi, 0.5 mi west of U.S. Highway 45.

Owner: C. B. Curlee.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth reported 574 ft, cased to 478 ft.

DATUM.--Land-surface datum is 460 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 1.50 ft above land-surface datum.

PERIOD OF RECORD.--September 1961 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 89.00 ft below land-surface datum, Dec. 17, 1961,

lowest measured, 131.33 ft below land-surface datum, Mar. 31, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 3	130.70
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ALCORN COUNTY--Continued

344642088333001. Local number, K053.

LOCATION.--Lat 34°46'42", long 88°33'30", in SW4NW4 sec.34, T.3 S., R.7 W., Chickasaw Meridian, Alcorn County, Hydrologic Unit 08010207, 2.5 mi 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, depth 210 ft, cased to 190 ft.

DATUM.--Land-surface datum is 450 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--July 1973, October 1975 to April 1990 (destroyed).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.37 ft below land-surface datum, July 19, 1973, lowest measured, 49.25 ft below land-surface datum, Oct. 24, 1988.

ATTALA COUNTY

330713089365302. Local number, G013.

LOCATION.--Lat 33°07'13", long 89°36'53", in NW4NE4 sec.31, T.15 N., R.7 E., Choctaw Meridian, Attala County, Hydrologic Unit 08060201, 4.5 mi northwest of center of Kosciusko on State Highway 35.

Owner: Fred Turnipseed.

AQUIFER.--Winona Sand of middle Eocene age.

WELL CHARACTERISTICS.--Dug unused artesian well, diameter 30 in, depth 22 ft.

DATUM.--Land-surface datum is 361 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of hole in concrete cap, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--January 1963, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.23 ft below land-surface datum, Apr. 13, 1983, lowest measured, 15.22 ft below land-surface datum, Jan. 11, 1963.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 1	9.78

330110089455001. Local number, K022.

LOCATION.--Lat 33°01'10", long 89°45'50", in SW4SW4 sec.35, T.14 N., R.5 E., Choctaw Meridian, Attala County, Hydrologic Unit 08060201, 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, depth reported 356 ft, cased to about 300 ft.

DATUM.--Land-surface datum is 280 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 3/4-in pipe (since May 22, 1957), 1.30 ft 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 above land-surface datum, 1913, lowest measured, 0.93 ft above land-surface datum, Apr. 1, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 1	-0.93

330328089365901. Local number, M008.

LOCATION.--Lat 33°03'28", long 89°36'59", in NE4 sec.20, T.14 N., R.7 E., Choctaw Meridian, Attala County, Hydrologic Unit 03180001, 0.2 mi northwest of center of Kosciusko on Adams Street.

Owner: Barnett Moving Company.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in, depth 456 ft.

DATUM.--Land-surface datum is 423 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Air vent in pump base, 1.70 ft above land-surface datum.

PERIOD OF RECORD.--January 1959, March 1962, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 101.92 ft below land-surface datum, Jan. 29, 1959, lowest measured, 132.47 ft below land-surface datum, Apr. 20, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 1	127.00

ATTALA COUNTY--Continued

330330089354501. Local number, M030.

LOCATION.--Lat 33°03'30", long 89°35'45", in SW4NW4 sec.21, T.14 N., R.7 E., Choctaw Meridian, Attala County, Hydrologic Unit 03180001, 0.1 mi west of center of Kosciusko at corner of Wells and Jefferson Streets.

Owner: City of Kosciusko.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 416 ft.

DATUM.--Land-surface datum is 467 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Air vent in pump base, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--December 1950, March 1962, April 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 96.0 ft below land-surface datum, Dec. 1, 1950, lowest measured, 148.75 ft below land-surface datum, July 1, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
JULY 1	148.75

330241089270501. Local number, N013.

LOCATION.--Lat 33°02'41", long 89°27'05", in SE4NW4 sec.26, T.14 N., R.8 E., Choctaw Meridian, Attala County, Hydrologic Unit 03180001, 8 mi 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, depth 30 ft.

DATUM.--Land-surface datum is 510 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Inside lip of curb, 2.00 ft 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 below land-surface datum, Mar. 12, 1959, lowest measured, 23.77 ft below land-surface datum, Apr. 7, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 1	20.90

325844089462701. Local number, Q014.

LOCATION.--Lat 32°58'44", long 89°46'27", in NE4SW4 sec.15, T.13 N., R.5 E., Choctaw Meridian, Attala County, Hydrologic Unit 08060201, 3.1 mi 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, depth 409 ft.

DATUM.--Land-surface datum is 290 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 2-in casing, 1.80 ft 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 below land-surface datum, Mar. 13, 1958, lowest measured, 5.08 ft below land-surface datum, Apr. 1, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 1	5.08

325902089333901. Local number, S021.

LOCATION.--Lat 32°59'02", long 89°33'39", in SE4NE4 sec.15, T.13 N., R.7 E., Choctaw Meridian, Attala County, Hydrologic Unit 03180001, 5 mi south of center of Kosciusko on east side of State Highway 35.

Owner: United Gas Company.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 360 ft, cased to 340 ft.

DATUM.--Land-surface datum is 488 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 8-in casing, 0.50 ft 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 below land-surface datum, October 1961, lowest measured, 178.91 ft below land-surface datum, Apr. 9, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 9	178.91

BOLIVAR COUNTY

335630090461501. Local number, D031.

LOCATION.--Lat 33°56'30", long 90°46'15", in SW4NE4 sec.12, T.24 N., R.6 W., Choctaw Meridian, Bolivar County, Hydrologic Unit 08030207, 0.1 mi west of center of Shelby at old waterworks.

Owner: Town of Shelby.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 1,575 ft.

DATUM.--Land-surface datum is 147 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of air vent hole in pump base, 1.30 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.40 ft above land-surface datum, May 11, 1977, lowest measured, 31.30 ft below land-surface datum, Mar. 25, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 to SEPTEMBER 1991

DATE	WATER LEVEL
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APR 9	28.05
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335558090465202. Local number, D032.

LOCATION.--Lat 33°55'58", long 90°46'52", in SE4NE4 sec.14, T.24 N., R.6 W., Choctaw Meridian, Bolivar County, Hydrologic Unit 08030207, 1.5 mi southwest of center of Shelby on State Highway 32 at park.

Owner: Town of Shelby.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth reported 409 ft.

DATUM.--Land-surface datum is 150 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 4-in casing plug, 0.30 ft above land-surface datum.

PERIOD OF RECORD.--September 1949, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.72 ft below land-surface datum, Oct. 15, 1983, lowest measured, 49.70 ft below land-surface datum, Apr. 13, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 9	34.66
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335017090433201. Local number, H047.

LOCATION.--Lat 33°50'17", long 90°43'32", in NW4NW4 sec.12, T.23 N., R.5 W., Choctaw Meridian, Bolivar County, Hydrologic Unit 08030207, 0.2 mi west of Post Office at elevated watertank on St Mary Street.

Owner: Town of Merigold.

AQUIFER.--Sand of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 1,371 ft.

DATUM.--Land-surface datum is 135 ft above National Vertical Datum of 1929 (from topographic map). Measuring

point: 3/4-in plug at pump motor base, 2.45 ft above land-surface datum.

PERIOD OF RECORD.--April 1989, to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 18.66 ft below land surface datum, Mar. 27, 1990, lowest measured, 23.76 ft below land-surface datum, Apr. 9, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 9	23.76
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334957090564301. Local number, F020.

LOCATION.--Lat 33°49'57", long 90°56'43", in NE4NW4 sec.20, T.23 N., R.7 W., Choctaw Meridian, Bolivar County, Hydrologic Unit 08030207, 5 mi 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, depth 120 ft, screened 80-120 ft, cased to 80 ft.

DATUM.--Land-surface datum is 145 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 0.15 ft 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 below land-surface datum, Apr. 7, 1959, lowest measured, 31.40 ft below land-surface datum, Oct. 23, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 to SEPTEMBER 1991

DATE	WATER LEVEL	DATE	WATER LEVEL
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OCT 18	29.90	APR 9	29.62
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BOLIVAR COUNTY--Continued

334700090584501. Local number, J008.

LOCATION.--Lat 33°47'00", long 90°58'45", in SW¼NE¼ sec.27, T.22 N., R.8 W., Choctaw Meridian, Bolivar County, Hydrologic Unit 08030207, near center of Beulah.

Owner: Town of Beulah.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 8 in, depth 754 ft.

DATUM.--Land-surface datum is 145 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of air vent in pump base, 2.50 ft above land-surface datum.

PERIOD OF RECORD.--October 1968, March 1971, April 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27 ft below land-surface datum, Oct. 1, 1968, lowest measured, 39.57 ft below land-surface datum, Mar. 30, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 to SEPTEMBER 1991

DATE	WATER LEVEL
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APR 9	37.70
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334217090475201. Local number, L050.

LOCATION.--Lat 33°42'17", long 90°47'52", in SE¼SE¼ sec.34, T.22 N., R.6 W., Choctaw Meridian, Bolivar County, Hydrologic Unit 08030207, near center of Skene.

Owner: Town of Skene.

AQUIFER.--Sand of Tallahatta Formation of Middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in., depth 1470 ft.

DATUM.--Land-surface datum is 130 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: 1/2-in hole in well seal, 1.80 ft above land-surface datum.

PERIOD OF RECORD.--May 1939, September 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 34 ft above land-surface datum, May 1939, lowest measured, 21.70 ft below land-surface datum, Mar. 22, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 9	8.67
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334218090475701. Local number, L092.

LOCATION.--Lat 33°42'30", long 90°47'57", in SE¼SE¼ sec.34, T.22 N., R.6 E., Choctaw Meridian, Bolivar County, Hydrologic Unit 08030207, near center of Skene.

Owner: Town of Skene.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 782 ft.

DATUM.--Land-surface datum is 130 ft above National geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: 1/2-in hole in well seal, 0.60 ft above land-surface datum.

PERIOD OF RECORD.--February 1973, September 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24 ft below land-surface datum, Feb. 1973, lowest measured, 39.49 ft below land-surface datum, Oct. 19, 1987.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 9	38.34
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334106090590902. Local number, N002.

LOCATION.--Lat 33°41'06", long 90°59'09", in SE¼NW¼ sec.34, T.21 N., R.8 W., Choctaw Meridian, Bolivar County, Hydrologic Unit 08030207, 2.5 mi 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, depth 96 ft.

DATUM.--Land-surface datum is 135 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 0.70 ft 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 below land-surface datum, May 13, 1958, lowest measured, 27.22 ft below land-surface datum, Sept. 16, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 9	19.31
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BOLIVAR COUNTY--Continued

333959090435001. Local number, Q150.

LOCATION.--Lat 33°39'59", long 90°43'50", in NEMSE4 sec.17, T.21 N., R.5 W., Choctaw Meridian, Bolivar County, Hydrologic Unit 08030207, 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, depth 1,310 ft, cased to 1,310 ft.

DATUM.--Land-surface datum is 133.66 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 3/4-in pipe, 1.00 ft 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 above land-surface datum, May 30, 1939, lowest measured, 19.92 ft below land-surface datum, Oct. 5, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 9	19.30
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333530090582401. Local number, R064.

LOCATION.--Lat 33°35'30", long 90°58'24", in SE4SE4 sec.12, T.20 N., R.8 W., Choctaw Meridian, Bolivar County, Hydrologic Unit 08030209, at Stringtown.

Owner: H and H Planting Company.

AQUIFER.--Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 520 ft.

DATUM.--Land-surface datum is 133 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of air vent in pump base, 1.8 ft 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 below land-surface datum, May 5, 1939, lowest measured, 43.82 ft below land-surface datum, Apr. 9, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 9	43.82
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CALHOUN COUNTY

335118089175901. Local number, K101.

LOCATION.--Lat 33°51'18", long 89°17'59", in NEMSW4 sec.13, T.23 N., R.9 E., Choctaw Meridian, Calhoun County, Hydrologic Unit 08030205, 0.3 mi northeast of center of Calhoun City at Adams Street and Taylor Street.

Owner: Town of 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, depth 1,897 ft, cased to 1,857 ft.

DATUM.--Land-surface datum is 270 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of air vent in north side of pump base, 1.30 ft 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 below land-surface datum, Mar. 14, 1957, lowest measured, 105.75 ft below land-surface datum, Oct. 16, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 8	96.83
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CARROLL COUNTY

333116089550401. Local number, F001.

LOCATION.--Lat 33°31'16", long 89°55'04", in SE4SW4 sec.7, T.19 N., R.4 E., Choctaw Meridian, Carroll County, Hydrologic Unit 08030205, near center of North Carrollton at old water plant.

Owner: Town of North Carrollton.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 1,274 ft.

DATUM.--Land-surface datum is 230 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Faucet below pump base, 0.50 ft above land-surface datum.

REMARKS.--Water levels affected by leaks at well head.

PERIOD OF RECORD.--March 1979 to October 1990 (destroyed).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.7 ft above land-surface datum, Mar. 30, 1989, lowest measured, 5.56 ft above land-surface datum, Apr. 11, 1983.

333057089552002. Local number, F019.

LOCATION.--Lat 33°30'57", long 89°55'20", in SE4SW4 sec.7, T.19 N., R.4 E., Choctaw Meridian, Carroll County, Hydrologic Unit 08030205, near center of North Carrollton at old water plant.

Owner: Town of North Carrollton.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 440 ft.

DATUM.--Land-surface datum is 225 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of air vent in side of pump base, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--May 1961, May 1979 to October 1990 (destroyed).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.00 ft below land-surface datum, May 1, 1961, lowest measured, 13.47 ft below land-surface datum, Oct. 4, 1988.

CHICKASAW COUNTY

340030088444801. Local number, D006.

LOCATION.--Lat 34°00'30", long 88°44'48", in NW4SE4 sec.26, T.12 S., R.5 E., Chickasaw Meridian, Chickasaw County, Hydrologic Unit 03160101, at Okolona at old water plant.

Owner: Town of Okolona.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, 10 in, depth reported 400 ft.

DATUM.--Land-surface datum is 307 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of concrete well base, 2.50 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--1917, October 1956, December 1958, October 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 87 ft below land-surface datum, 1917, lowest measured, 183.59 ft below land-surface datum, Aug. 14, 1987.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 3	162.47

335400088595001. Local number, F016.

LOCATION.--Lat 33°54'00", long 88°59'50", in SW4SW4 sec.33, T.13 S., R.3 E., Chickasaw Meridian, Chickasaw County, Hydrologic Unit 03160104, near center of Houston at old water plant.

Owner: Town of Houston.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 1,076 ft.

DATUM.--Land-surface datum is 340 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of air vent in pump base, 1.20 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--1931, July 1940, November 1970, 1971, October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 80 ft below land-surface datum, 1931, lowest measured 172.54 ft below land-surface datum, Apr. 22, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 8	130.65

335400088594601. Local number, F018.

LOCATION.--Lat 33°54'00", long 88°59'46", in SW4SW4 sec.33, T.13 S., R.3 E., Chickasaw Meridian, Chickasaw County, Hydrologic Unit 03160104, near center of Houston at old water plant.

Owner: Town of Houston.

AQUIFER.--Sand of Ripley Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 130 ft.

DATUM.--Land-surface datum is 340 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Plug in pump base, 1.50 ft above land-surface datum.

PERIOD OF RECORD.--1970, May 1972, October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.39 ft below land-surface datum, Apr. 8, 1991, lowest measured, 64.40 ft below land-surface datum May 24, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 8	57.39

335136089005301. Local number, K037.

LOCATION.--Lat 33°51'36", long 89°00'53", in SW4SW4 sec.17, T.14 S., R.3 E., Chickasaw Meridian, Chickasaw County, Hydrologic Unit 03180001, 2.5 mi 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, depth reported 130 ft, cased to 80 ft.

DATUM.--Land-surface datum is 320 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

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 below land-surface datum, Mar. 20, 1962, lowest measured, 67.10 ft below land-surface datum, Oct. 28, 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 8	62.30

CLAIBORNE COUNTY

315718090591501. Local number, L005.

LOCATION.--Lat 31°57'18", long 90°59'15", in Irregular Lot 4, T.11 N., R.2 E., Washington Meridian, Claiborne County, Hydrologic Unit 08060203, 0.2 mi 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, depth reported 250 ft.

DATUM.--Land-surface datum is 120 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of concrete base, 2.00 ft 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 below land-surface datum, Apr. 22, 1963, lowest measured, 125.52 ft below land-surface datum, June 6, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 23	95.46
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COAHOMA COUNTY

342400090322001. Local number, C111.

LOCATION.--Lat 34°24'00", long 90°32'20", in NW4SW4 sec.7, T.29 N., R.2 W., Choctaw Meridian, Coahoma County, Hydrologic Unit 08030204, 1 mi south of center of Rich at Rose Acres Plantation headquarters.

Owner: Norfleet and Wilsford.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3-2 in, depth 1,837 ft, screened 1,796-1,837 ft.

DATUM.--Land-surface datum is 180.88 ft above National Geodetic Vertical Datum of 1929 Measuring point: Top of 3-in tee, 1.00 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.8 ft above land-surface datum, July 26, 1940, lowest measured, 14.08 ft below land-surface datum, Apr. 9, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 9	14.08
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341720090304301. Local number, F012.

LOCATION.--Lat 34°17'19", long 90°30'43", in NE4NW4 sec.21, T.28 N., R.3 W., Choctaw Meridian, Coahoma County, Hydrologic Unit 08030207, 8 mi 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, depth reported 900 ft.

DATUM.--Land-surface datum is 168 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Hole in east side of casing, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--April 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.82 ft below land-surface datum, Apr. 14, 1971, lowest measured, 18.29 ft below land-surface datum, Oct. 4, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 9	16.42
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341311090371801. Local number J005.

LOCATION.--Lat 34°13'11", long 90°37'18", in SW4NE4SW4 sec.9, T.27 N., R.4 W., Choctaw Meridian, Coahoma County, Hydrologic Unit 08030207, 3.2 mi northwest of Clarksdale.

Owner: E.L. Anderson.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16 in, depth 118 ft.

DATUM.--Land-surface datum is 172 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 3.40 ft above land-surface datum.

REMARKS.--Water level affected by seasonal pumping.

PERIOD OF RECORD.--April 1955, September 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23 ft below land-surface datum, April 1955, lowest measured, 32.70 ft below land-surface datum, Mar. 29, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 9	28.11
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COPIAH COUNTY

315129090233901. Local number, P009.

LOCATION.--31°51'29", long 90°23'39", in NE¼NE¼ sec.10, T.10 N., R.8 E., Washington Meridian, Copiah County, Hydrologic Unit 03180003, near center of Hazlehurst.

Owner: Town of Hazlehurst.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12-in, depth 333 ft.

DATUM.--Land-surface datum is 446 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: 3/4-in hole in well seal at land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--August 1948, August 1971, May 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 176 ft below land-surface datum, Aug. 1, 1948, lowest measured, 194.20 ft below land-surface datum, May. 1, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 25	183.11
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315128090205202. Local number, P049.

LOCATION.--Lat 31°51'28", long 90°20'52", in NE¼NE¼ sec.12, T.10 N., R.8 E., Washington Meridian, Copiah County, Hydrologic Unit 03180003, 3 mi 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, depth 295 ft, cased to 225 ft.

DATUM.--Land-surface datum is 435 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 1.60 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--1967, August 1971, April 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 110 ft below land-surface datum, 1967, lowest measured, 143.60 ft below land-surface datum, Apr. 1, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 25	133.88
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COVINGTON COUNTY

314447089302301. Local number, C024.

LOCATION.--Lat 31°44'47", long 89°30'23", in NW¼SW¼ sec.15, T.9 N., R.15 W., St. Stephens Meridian, Covington County, Hydrologic Unit 03170004, 10 mi southeast of Mr. Olive on State Highway 532.

Owner: Mississippi Forestry Commission.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in, depth 588 ft, screened 541-561 ft, 568-588 ft.

DATUM.--Land-surface datum is 400 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Well seal, top of 4 in casing, 1.5 ft above land-surface datum.

PERIOD OF RECORD.--May 1976, Apr. 1, 1991 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 148 ft below land-surface datum, May 1976, lowest measured, 156.53 ft below land-surface datum, Apr. 11, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 11	156.53
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314447089302201. Local number, C028.

LOCATION.--Lat 31°44'47", long 89°30'22", in NW¼SW¼ sec.15, T.9 N., R.15 W., St. Stephens Meridian, Covington County, Hydrologic Unit 03170004, 10 mi southeast of Mt. Olive on State Highway 532.

Owner: Mississippi Forestry Commission.

AQUIFER.--Sand of Citronelle Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in, depth 250 ft.

DATUM.--Land-surface datum is 400 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of concrete slab, 0.50 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 119.83 ft below land-surface datum, Mar. 31, 1981, lowest measured, 123.95 ft below land-surface datum, Apr. 13, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 11	121.39
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COVINGTON COUNTY--Continued

313352089243202. Local number, L019.

LOCATION.--Lat 31°33'52", long 89°24'32", in NE¼NW¼ sec.21, T.7 N., R.14 W., St. Stephens Meridian, Covington County, Hydrologic Unit 03170004, 6 mi east of Seminary on Hwy 590.

Owner: Southwest Jones Water Association.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 900 ft.

DATUM.--Land-surface datum is 435 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 4-in casing, 1.00 ft above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--December 1972, April 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 205 ft below land-surface datum, December 31, 1972, lowest measured, 348.00 ft below land-surface datum, Apr. 16, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 11	319.92

DE SOTO COUNTY

345726089492901. Local number, D002.

LOCATION.--Lat 34°57'26" long 89°49'29", in SE¼NW¼ sec.34, T.1 S., R.6 W., Chickasaw Meridian, De Soto County, Hydrologic Unit 08030204, 0.35 mi east of center of Olive Branch.

Owner: Town of Olive Branch.

AQUIFER.--Sparta Sand of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10 in, depth 266 ft.

DATUM.--Land-surface datum is 400 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Breather hole in pump base, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--1956, January 1973, April 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 133.40 ft below land-surface datum, 1956, lowest measured, 154.89 ft below land-surface datum, Apr. 27, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 2	145.00

FORREST COUNTY

311834089170101. Local number, D008.

LOCATION.--Lat 31°18'34", long 89°17'01", in SE¼NE¼ sec.15, T.4 N., R.13 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170005, 2 mi 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, depth 710 ft, screened 610-710 ft.

DATUM.--Land-surface datum is 140 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 1.75 ft 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 below land-surface datum, Dec. 21, 1964, lowest measured, 97.88 ft below land-surface datum, May 14, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 11	89.82

311958089195001. Local number, D108.

LOCATION.--Lat 31°19'58", long 89°07'31", in SE¼SE¼ sec.6, T.4 N., R.13 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170005, 0.6 mi west of intersection of U. S. Highway 49 on 4th Street.

Owner: City of Hattiesburg.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in, depth 640 ft.

DATUM.--Land-surface datum is 200 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 3-in casing, at land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--October 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 82.00 ft below land-surface datum, Apr. 7, 1987, lowest measured, 108.93 ft below land-surface datum, Apr. 4, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 4	108.93

FORREST COUNTY--Continued

311137089110501. Local number, G116.

LOCATION.--Lat 31°11'37", long 89°11'05", in SW4NE4 sec.27, T.3 N., R.12 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170007, 3 mi east of south gage of Camp Shelby at Jackson Avenue 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, depth 416 ft, screened 382-416 ft.

DATUM.--Land-surface datum is 258.44 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in casing flange, 2.00 ft 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 below land-surface datum, Apr. 2, 1954, lowest measured, 148.12 ft below land-surface datum, Oct. 23, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 3	146.84
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310135089093101. Local number, L079.

LOCATION.--Lat 31°01'35", long 89°09'31", in NW4NW4 sec.25, T.1 N., R.12 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170007, 3 mi Southeast of center of Brooklyn at Ashe Nursery.

Owner: U.S. Forest Service.

AQUIFER.--Sand of Hattiesburg Formation of Miocene age.

WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 6 in, depth 720 ft.

DATUM.--Land-surface datum is 275 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 6-in, well seal, 1.25 ft above land-surface datum.

PERIOD OF RECORD.--April 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 169.80 ft below land-surface datum, Mar. 1, 1970, lowest measured, 182.80 ft below land-surface datum, Apr. 21, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 3	180.68
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FRANKLIN COUNTY

313026091035101. Local number, F001.

LOCATION.--Lat 31°30'26", long 91°03'51", in NW4NE4 sec.19, T.6 N., R.1 E., Washington Meridian, Franklin County, Hydrologic Unit 08060205, 0.1 mi northeast of center of Roxie at 3rd Street and East Boulevard.

Owner: Town of Roxie.

AQUIFER.--Sand of Hattiesburg Formation of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 250 ft, cased to 230 ft.

DATUM.--Land-surface datum is 230 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Hole in east side of pump base, 1.90 ft 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, 17.80 ft below land-surface datum, Apr. 9, 1985, lowest measured, 28.78 ft below land-surface datum, May 9, 1968.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 23	18.86
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GREENE COUNTY

311435088312201. Local number, M002.

LOCATION.--Lat 31°35'30", long 88°31'05", in NE4NW4 sec.7, T.3 N., R.5 W., St. Stephens Meridian, Greene County, Hydrologic Unit 03170003, 8 mi northeast of center of Leakesville.

Owner: H. F. Garreston, Jr.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 703 ft.

DATUM.--Land-surface datum is 107 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of discharge pipe, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--January 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.0 ft above land-surface datum, Jan. 22, 1970, Apr. 24, 1974, lowest measured, 9.3 ft above land-surface datum, Apr.17, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 10	-9.6
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GREENE COUNTY--Continued

310856088325401. Local number, P039.

LOCATION.--Lat 31°08'56", long 88°32'54", in NW4SW4 sec.12, T.2 N., R.6 W., St. Stephens Meridian, Greene County, Hydrologic Unit 03170003, at Leakesville Landing at Chickasawhay River. Bridge downstream side north end of bridge.

Owner: Pat Harrison Waterway District.

AQUIFER.--Sand of Hattiesburg Formation of Miocene age.

WELL CHARACTERISTICS.--Drilled recreation artesian well, diameter 2 in, depth 341 ft.

DATUM.--Land-surface datum is 80 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: End of 2-in pipe, 2.00 ft above land-surface datum.

REMARKS.--Leaking casing.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.0 ft above land-surface datum, Dec. 16, 1981, lowest measured, 8.6 ft above land-surface datum, Apr. 5, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
SEPT 30	-9.6

GRENADA COUNTY

335032089473101. Local number, B102.

LOCATION.--Lat 33°50'32", long 89°47'31", in SE4SE4 sec.20, T.23 N., R.5 E., Choctaw Meridian, Grenada County, Hydrologic Unit 08030205, 4 mi north of center of Grenada at Grenada Airport.

Owner: City of Grenada.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 195 ft.

DATUM.--Land-surface datum is 210 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Breather hole in pump base, 2.00 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.92 ft above land-surface datum, Mar. 30, 1989, lowest measured, 8.55 ft below land-surface datum, Mar. 24, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

NO MEASUREMENT MADE IN WY 91.

334556089583501. Local number, F112.

LOCATION.--Lat 33°45'56", long 89°58'45", in SE4SE4 sec.16, T.22 N., R.3 E., Choctaw Meridian, Grenada County, Hydrologic Unit 08030205, 0.2 mi 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, depth 983 ft, screened 943-983 ft.

DATUM.--Land-surface datum is 183.14 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 3-in tee, 1.40 ft above land-surface datum, or top of discharge pipe, 1.20 ft 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 above land-surface datum, July 31, 1941, lowest measured, 3.50 ft above land-surface datum, Mar. 30, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 1	-3.76

334128089441701. Local number, H111.

LOCATION.--Lat 33°41'28", long 89°44'17", in SE4SE4 sec.11, T.21 N., R.5 E., Choctaw Meridian, Grenada County, Hydrologic Unit 08030205, 1 mi 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, depth 502 ft, screened 421-502 ft.

DATUM.--Land-surface datum is 208.69 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base (since Feb. 11, 1976), 4.00 ft 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 above land-surface datum, Jan. 2, 1943, lowest measured, 11.12 ft below land-surface datum, Apr. 1, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 1	11.12

GRENADA COUNTY--Continued

334147089433801. Local number, H113.

LOCATION.--Lat 33°41'47", long 89°43'38", in NE4SW4 sec.12, T.21 N., R.5 E., Choctaw Meridian, Grenada County, Hydrologic Unit 08030205, 1.5 mi 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, depth 211 ft, screened 161-211 ft.

DATUM.--Land-surface datum is 216.70 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent hole in pump base, 3.40 ft above land-surface datum.

PERIOD OF RECORD.--1954 to October 1963, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.85 ft below land-surface datum, Mar. 26, 1987, lowest measured, 15.74 ft below land-surface datum, Nov. 6, 1957.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 1	8.48
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334148089425701. Local number, J002.

LOCATION.--Lat 33°41'48", long 89°42'57", in NW4SW4 sec.7, T.21 N., R.6 E., Choctaw Meridian, Grenada County, Hydrologic Unit 08030205, 2.5 mi 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, depth 429 ft, cased to 390 ft.

DATUM.--Land-surface datum is 227.21 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base (since Feb. 11, 1976), 1.50 ft 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 above land-surface datum, Sept. 19, 1942, lowest measured, 22.30 ft below land-surface datum, Apr. 1, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 1	22.30
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HANCOCK COUNTY

302158089372901. Local number, H003.

LOCATION.--Lat 30°21'58", long 89°37'29", in SW4NW4 sec.8, T.8 S., R.16 W., St. Stephens Meridian, Hancock County, Hydrologic Unit 03180004, 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Stennis Space Center.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 1,524 ft, cased to 1,464 ft.

DATUM.--Land-surface datum is 28 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of well head 4.20 ft 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 above land-surface datum, January 1963, lowest measured, 42.8 ft above land-surface datum, Oct. 20, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 2	-44.2
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302140089345901. Local number, H004.

LOCATION.--Lat 30°21'40", long 89°34'59", in NE4SE4 sec.10, T.8 S., R.16 W., St. Stephens Meridian, Hancock County, Hydrologic Unit 03180004, 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Stennis Space Center.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18 in, depth 1,873 ft, cased to 1,803 ft.

DATUM.--Land-surface datum is 21 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of faucet 1.90 ft 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 above land-surface datum, 1963, lowest measured, 53.6 ft above land-surface datum, Oct. 16, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 2	-67.8
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HANCOCK COUNTY--Continued

302227089373001. Local number, H005.

LOCATION.--Lat 30°22'27", long 89°37'30", in NE4SW4 sec.5, T.8 S., R.16 W., St. Stephens Meridian, Hancock County, Hydrologic Unit 03180004, 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.
 Owner: Stennis Space Center.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 1,481 ft, cased to 1,420 ft.

DATUM.--Land-surface datum is 29 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of well head, 6.20 ft 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 above land-surface datum June 3, 1966, lowest measured, 45.3 ft above land-surface datum Apr. 9, 1987.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 2	-46.0
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302140089351401. Local number, H006.

LOCATION.--Lat 30°21'40", long 89°35'14", in NE4SW4 sec.10, T.8 S., R.16 W., ST. Stephens Meridian, Hancock County, Hydrologic Unit 03180004, 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.
 Owner: Stennis Space Center.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18 in, depth 1,695 ft, cased to 1,585 ft.

DATUM.--Land-surface datum is 23 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of concrete base, 3.0 ft 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 above land-surface datum, Nov. 11, 1965, lowest measured, 49.0 ft above land-surface datum, Oct. 16, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 2	-52.1
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302206089350601. Local number, H007.

LOCATION.--Lat 30°22'06", long 89°35'06", in NW4NE4 sec.10, T.8 S., R.16 W., St. Stephens Meridian, Hancock County, Hydrologic Unit 03180004, 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.
 Owner: Stennis Space Center.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 1,434 ft, cased to 1,371 ft.

DATUM.--Land-surface datum is 25 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Bottom of recorder, 0.4 ft 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 above land-surface datum, Mar. 1, 1967, lowest measured, 44.4 ft above land-surface datum, Apr. 2, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 2	-44.4
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302126089351401. Local number, H008.

LOCATION.--Lat 30°21'26", long 89°35'14", in SW4SE4 sec.10, T.8 S., R.16 W., St. Stephens Meridian, Hancock County, Hydrologic Unit 03180004, 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.
 Owner: Stennis Space Center.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene Age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 24 in, depth 672 ft, cased to 460 ft.

DATUM.--Land-surface datum is 19 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of concrete base, 3.5 ft 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 above land-surface datum, Apr. 19, 1965, lowest measured, 1.88 ft below land-surface datum, Apr. 2, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 2	-1.88
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HANCOCK COUNTY--Continued

302118089351501. Local number, H011.

LOCATION.--Lat 30°21'18", long 89°35'15", in NW¼NE¼ sec.15, T.8 S., R.16 W., St. Stephens Meridian, Hancock County, Hydrologic Unit 03180004, 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Stennis Space Center.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 676 ft, cased to 646 ft.

DATUM.--Land-surface datum is 21.4 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in gate valve, 2.90 ft 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 above land-surface datum, Apr. 20, 1972, lowest measured, 1.38 ft above land-surface datum, Oct. 14, 1987.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 2	-5.96
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302118089351502. Local number, H012.

LOCATION.--Lat 30°21'18", long 89°35'15", in NW¼NE¼ sec.15, T.8 S., R.16 W., St. Stephens Meridian, Hancock County, Hydrologic Unit 03180004, 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Stennis Space Center.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 599 ft, cased to 569 ft.

DATUM.--Land-surface datum is 20.9 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in gate valve, 2.90 ft 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 above land-surface datum, Apr. 20, 1972, lowest measured, 2.65 ft above land-surface datum, Apr. 28, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 2	-4.60
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302118089351503. Local number, H013.

LOCATION.--Lat 30°21'18", long 89°35'15", in NW¼NE¼ sec.15, T.8 S., R.16 W., St. Stephens Meridian, Hancock County, Hydrologic Unit 03180004, 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Stennis Space Center.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 491 ft, cased to 461 ft.

DATUM.--Land-surface datum is 21.2 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4 in gate valve, 2.60 ft 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 above land-surface datum, Apr. 20, 1972, lowest measured, 0.95 ft below land-surface datum, Oct. 20, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 2	-1.95
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302118089351504. Local number, H014.

LOCATION.--Lat 30°21'18", long 89°35'15", in NE¼ sec.15, T.8 S., R.16 W., St. Stephens Meridian, Hancock County, Hydrologic Unit 03180004, 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Stennis Space Center.

AQUIFER.--Sand of Citronelle Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 144 ft, cased to 84 ft.

DATUM.--Land-surface datum is 20 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 1.50 ft 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 below land-surface datum, May 1, 1974, lowest measured, 8.3 ft below land-surface datum, June 3, 1968.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 2	5.02
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HANCOCK COUNTY--Continued

301858089202301. Local number, K001.

LOCATION.--Lat 30°18'58", long 89°20'23", in NW4SW4 sec.3, T.8 S., R.13 W., St. Stephens Meridian, Hancock County, Hydrologic Unit 03170009, 0.5 mi 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, depth 1,300 ft, cased to 1,280 ft.

DATUM.--Land-surface datum is 16 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of plate on well head, 1.20 ft above land-surface datum.

PERIOD OF RECORD.--November 1960 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.1 ft above land-surface datum, Nov. 1, 1960, lowest measured, 6.86 ft below land-surface datum, Oct. 16, 1987.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 3	6.08
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301900089201801. Local number, K004.

LOCATION.--Lat 30°19'00", long 89°20'18", in SW4 sec.30, T.8 S., R.13 W., St. Stephens Meridian, Hancock County, Hydrologic Unit 03170009, 0.2 mi north of Beach Boulevard 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, depth 1,210 ft, cased to 1,150 ft.

DATUM.--Land-surface datum is 16 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of concrete base, at land-surface datum.

REMARKS.--Water levels affected by length of time pump off before measurement made.

PERIOD OF RECORD.--August 1975, April 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17 ft above land-surface datum, August 1975, lowest measured, 0.09 ft below land-surface datum, Apr. 9, 1987.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 3	-3.45
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HARRISON COUNTY

303110089070201. Local number, G121.

LOCATION.--Lat 30°31'10", long 87°07'02", in NE4SW4 sec.17, T.6 S., R.11 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, 2 mi northwest of center of Lyman at fish hatchery.

Owner: Mississippi Wildlife Conservation Department, Fisheries Division.
AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in, depth 456 ft, screened 416-456 ft.

DATUM.--Land-surface datum is 70 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 0.40 ft 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 below land-surface datum, Apr. 14, 1939, lowest measured, 75.65 ft below land-surface datum, Apr. 7, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 3	67.03
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302400098022403. Local number, L141.

LOCATION.--Lat 30°22'40", long 89°02'54", in SW4NW4 sec.1, T.8 S., R.11 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, 2.5 mi east of center of Gulfport at V.A. Hospital on U.S. Highway 90.
Owner: U.S. Government (V.A. Hospital).

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth reported 898 ft, cased to 818 ft.

DATUM.--Land-surface datum is 21 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Steel plate on top of tee, 3.00 ft 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 above land-surface datum, Mar. 17, 1939, lowest measured, 52.10 ft below land-surface datum, Oct. 15, 1987.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 3	44.46
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HARRISON COUNTY--Continued

302200089053301. Local number, L154.
 LOCATION.--Lat 30°22'00", long 89°05'33", in NW4NE4 sec.9, T.8 S., R.11 W., St. Stephens Meridian, Harrison County,
 Hydrologic Unit 03170009, at center of Gulfport at post office at U.S. Highways 49 and 90.
 Owner: U.S. Post Office Department, Gulfport.
 AQUIFER.--Sand of Pascagoula Formation of late Miocene age.
 WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in, depth 1,262 ft, screened 1,232-1,262 ft.
 DATUM.--Land-surface datum is 19.62 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of
 3-in casing tee, 1.70 ft 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 above land-surface datum, Jan. 31, 1940,
 lowest measured, 15.14 ft below land-surface datum, Mar. 29, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 3	13.01
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302403089141801. Local number, L454.
 LOCATION.--Lat 30°24'03", long 89°14'18", in SW4SW4 sec.30, T.7 S., R.11 W., St. Stephens Meridian, Harrison County,
 Hydrologic Unit 03170009, 1.2 mi north of U.S. Naval Reservation, Gulfport.
 Owner: Carl McGill.
 AQUIFER.--Sand of Miocene age.
 WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 3 in, depth 2,404 ft.
 DATUM.--Land-surface datum is 20 ft above National Geodetic Vertical Datum of 1929 (from topographic map).
 Measuring point: Top of 3-in pipe, 3.0 ft of above land surface datum.
 REMARKS.--Well apparently leaking along distribution line.
 PERIOD OF RECORD.--October 1984 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 55.9 ft above land-surface datum, Oct. 26, 1984,
 lowest measured, 36.6 ft above land-surface datum, APR. 3, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 3	-36.6
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302410089082201. Local number, L654.
 LOCATION.--Lat 30°24'10", long 89°08'22", in SW4SE4 sec.30, T.7 S., R.11 W., St. Stephens Meridian, Harrison County,
 Hydrologic Unit 03170009, 1 mi west of center of Biloxi.
 Owner: Dolan Trailer Park.
 AQUIFER.--Sand of Pascagoula Formation of late Miocene age.
 WELL CHARACTERISTICS.--Drilled public supply artesian well, diameter 4 in, depth 1,690 ft.
 DATUM.--Land-surface datum is 17 ft above National Geodetic Vertical Datum of 1929 (from topographic map).
 Measuring point: Top of well casing, at land-surface datum.
 REMARKS.--Water levels affected by nearby pumping.
 PERIOD OF RECORD.--April 1986 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.8 ft above land-surface datum, Apr. 30, 1986,
 lowest measured, 43.9 ft above land-surface, Apr. 8, 1987.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 3	-43.9
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301856089145301. Local number, N003.
 LOCATION.--Lat 30°18'56", long 89°14'53", in SW4NW4 sec.30, T.8 S., R.13 W., St. Stephens Meridian, Harrison County,
 Hydrologic Unit 03170009, 0.1 mi northwest of center of Pass Christian at 2nd and Clark Streets.
 Owner: Town of Pass Christian.
 AQUIFER.--Sand of Pascagoula Formation of late Miocene age.
 WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 1,111 ft, cased to 1,051 ft.
 DATUM.--Land-surface datum is 15 ft above National Geodetic Vertical Datum of 1929 (from topographic map).
 Measuring point: Top of 8-in tee, 2.00 ft 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 above land-surface datum, 1948, lowest
 measured, 6.64 ft below land-surface datum, Oct. 14, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 3	3.56
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GROUND-WATER LEVELS

HINDS COUNTY

322900090171001. Local number, C029.

LOCATION.--Lat 32°29'00", long 90°17'10", in SW4SE4 sec.3, T.2 N., R.1 W., Choctaw Meridian, Hinds County, Hydrologic Unit 0806212, 0.2 mi 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 public supply artesian well, diameter 4 in, depth 774 ft.

DATUM.--Land-surface datum is 240 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

PERIOD OF RECORD.--June 1968, March 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 95 ft below land-surface datum, Jun. 1968, lowest measured, 126.23 ft below land-surface datum, APR. 2, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 25	125.50

321949090361501. Local number, D001.

LOCATION.--Lat 32°19'49", long 90°36'15", in SW4SW4 sec.27, T.6 N., R.4 W., Choctaw Meridian, Hinds County, Hydrologic Unit 08060202, 0.2 mi 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, depth 1,154 ft.

DATUM.--Land-surface datum is 220 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

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 below land-surface datum, 1930, lowest measured, 135.55 ft below land-surface datum, Oct. 23, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 23	118.11

322112090195601. Local number, G059.

LOCATION.--Lat 32°21'12", long 90°19'56", in NW4NW4 sec.19, T.6 N., R.1 W., Choctaw Meridian, Hinds County, Hydrologic Unit 08060202, at Clinton Industrial Park, off west Northside Drive.
 Owner: City of Clinton.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in, depth 893 ft.

DATUM.--Land-surface datum is 325 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Air vent at pump base, 2.10 ft above land-surface datum.

REMARKS.--Water level affected by length of time pump off before measurement made.

PERIOD OF RECORD.--April 1960, September 1976, October 1980, July 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 192.0 ft below land-surface datum, Apr. 15, 1960, lowest measured, 239.45 ft below land-surface datum, Sept. 23, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	234.33	---	----	FEB 26	232.82	APR 16	233.02	JUN 25	234.20	AUG 20	236.60
NOV 26	233.18	JAN 24	233.15	MAR 26	233.00	MAY 28	233.07	JUL 24	234.85	SEP 26	235.60

322128090174901. Local number, G101.

LOCATION.--Lat 32°21'28", long 90°17'49", in SE4SE4 sec.16, T.6 N., R.1 W., Choctaw Meridian, Hinds County, Hydrologic Unit 08060202, 2.5 mi northeast of center of Clinton off Northside Drive.
 Owner: City of Clinton.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16 in, depth 842 ft.

DATUM.--Land-surface datum is 297 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Air vent at pump base, 2.15 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--July 1984, May 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 225 ft below land surface datum, July 18, 1984, lowest measured, 251.34 ft below land-surface datum, Aug. 23, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	244.84	---	----	FEB 26	245.90	APR 16	249.75	JUN 25	241.20	AUG 22	238.70
NOV 26	237.15	JAN 25	236.72	MAR 26	250.15	MAY 28	251.13	JUL 29	241.10	SEP 26	240.75

HINDS COUNTY--Continued

322301090090001. Loca number, H023.

LOCATION.--Lat 32°23'01", long 90°09'00", in NW4NE4 sec.12, T.6 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, 6 mi north of center of Jackson at Briarwood Drive and U.S. Interstate 55.
Owner: Kenneth Muse.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 728 ft.

DATUM.--Land-surface datum is 315 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 0.65 ft above land-surface datum.

PERIOD OF RECORD.--October 1955 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 161.96 ft below land-surface datum, Apr. 12, 1957, lowest measured, 244.82 ft below land-surface datum, Aug. 22, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	242.60	---	----	FEB 27	239.45	APR 16	239.07	JUN 25	241.43	AUG 22	244.82
NOV 26	241.00	JAN 25	239.75	MAR 26	239.65	MAY 28	241.35	JUL 30	242.43	SEP 26	242.69

322241090073701. Local number, H160.

LOCATION.--Lat 32°22'41", long 90°07'37", in SE4NE4 sec.7, T.6 N., R.2 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, northeast of center of Jackson at Old Canton Road and Parkway Drive.
Owner: Colonial Country Club.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth reported 773 ft, cased to 634 ft.

DATUM.--Land-surface datum is 305 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

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 below land-surface datum, Mar. 30, 1954, lowest measured, 229.82 ft below land-surface datum, Aug. 22, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	227.55	---	----	FEB 27	223.50	APR 15	221.71	JUN 25	225.25	AUG 22	229.82
NOV 26	225.14	JAN 25	224.96	MAR 26	224.10	MAY 28	223.51	JUL 30	226.95	SEP 26	227.26

32223090132801. Local number, H163.

LOCATION.--Lat 32°22'23", long 90°13'28", in sec.8, T.6 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, 5.5 mi northwest of center of Jackson on Forest Avenue.
Owner: Tri State Brick Company.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 824 ft.

DATUM.--Land-surface datum is 354 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: 14-in plug at top of well head, 1.50 ft above land-surface datum.

REMARKS.--Water level affected by nearby pumping. Datum change from 360 ft to 354 ft above NGVD (excavation at site).

PERIOD OF RECORD.--April 1972, June 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 272 ft below land-surface datum Apr. 1, 1974, lowest measured, 295.85 ft below land-surface datum May 28, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	291.66	---	----	FEB 26	289.40	APR 16	295.00	JUN 25	291.22	AUG 22	292.78
NOV 26	290.96	JAN 24	288.85	MAR 26	294.00	MAY 28	295.85	JUL 30	292.18	SEP 26	293.40

32222090095201. Local number, H164.

LOCATION.--Lat 32°22'22", long 90°09'52", in SW4SE4 sec.11, T.6 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, 7 mi north of center of Jackson on North State Street.
Owner: Homewood Manor Traylor Court.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in, depth 738 ft.

DATUM.--Land-surface datum is 298 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Plug in west side of casing, 0.3 ft above land-surface datum.

PERIOD OF RECORD.--January 1975, June 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 195.65 ft below land-surface datum, June 10, 1977, lowest measured 224.38 ft below land-surface datum, Sept. 26, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	221.45	---	----	FEB 27	218.20	APR 16	218.72	JUN 25	220.25	AUG 22	223.79
Nov 26	220.18	JAN 25	219.60	MAR 26	218.75	MAY 28	220.15	JUL 30	220.95	SEP 26	224.38

GROUND-WATER LEVELS
HINDS COUNTY--Continued

321512090283301. Local number, K055.

LOCATION.--Lat 32°15'12", long 90°28'33", in NW4NE4 sec.26, T.5 N., R.3 W., Choctaw Meridian, Hinds County, Hydrologic Unit 08060202, 2.2 mi west of Raymond.

Owner: J. Eastwood.

AQUIFER.--Sand of Mint Spring Marl of Vicksburg Group of Oligocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 195 ft.

DATUM.--Land-surface datum is 242 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of plastic well casing, 1.5 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 61.11 ft below land-surface datum, Apr. 30, 1980, lowest measured, 64.68 ft below land-surface datum, Oct. 11, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 16	63.29

321521090245101. Local number, L005.

LOCATION.--Lat 32°15'21", long 90°24'51", in NE4NW4 sec.20, T.5 N., R.2 E., Choctaw Meridian, Hinds County, Hydrologic Unit 08060202, 0.1 mi northwest of center of Raymond on Court Street east of Oak Street.

Owner: Town of Raymond.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 1,185 ft.

DATUM.--Land-surface datum is 328 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of air vent in pump base, 1.00 ft 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 below land-surface datum, Mar. 18, 1971, lowest measured, 242.97 ft below land-surface datum, October 10, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 16	225.00

321752090102601. Local number, N092.

LOCATION.--Lat 32°17'52", long 90°10'26", in SW4SW4 sec.2, T.5 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, southeast corner of Mississippi State Fairgrounds off Jefferson Street.

Owner: Mississippi Fair Commission.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 260 ft.

DATUM.--Land-surface datum is 271 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 4-in casing, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--June 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 99.01 ft below land-surface datum, June 6, 1986, lowest measured 104.38 ft below land-surface datum, Aug. 22, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	103.42	---	----	FEB 27	102.25	APR 16	102.45	JUN 25	104.08	AUG 22	104.38
NOV 26	103.54	JAN 24	103.51	MAR 26	103.84	MAY 28	103.95	JUL 30	104.12	SEP 26	103.15

320554090173902. Local number, V033.

LOCATION.--Lat 32°04'30", long 90°54'33", in NW4SW4 sec.15, T.3 N., R.1 W., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, near intersection of Jackson Street and Raymond Street in Terry.

Owner: Town of Terry.

AQUIFER.--Sand of Forest Hill Formation of Oligocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10 in, depth 473 ft.

DATUM.--Land-surface datum is 286 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of concrete base, 1.65 ft above land-surface datum.

REMARKS.--Standby well, pumped occasionally, and affected by nearby pumping.

PERIOD OF RECORD.--September 1959, September 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 65 ft below land-surface datum, September 1959, lowest measured, 151.81 ft below land-surface datum, July 27, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	146.03	---	----	FEB 27	142.42	APR 16	140.73	JUN 25	141.85	AUG 22	149.49
NOV 26	143.83	JAN 24	142.54	MAR 26	140.28	MAY 30	140.85	JUL 29	147.40	SEP 26	146.49

HOLMES COUNTY

330650090034501. Local number, L043.

LOCATION.--Lat 33°06'50", long 90°03'45", in SW4NE4 sec.35, T.15 N., R.2 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08030206, 0.3 mi 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, depth reported 1,000 ft.

DATUM.--Land-surface datum is 205 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

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 above land-surface datum, Jan. 12, 1959, lowest measured, 3.90 ft below land-surface datum, Apr. 1, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 1	3.90

330448090192201. Local number, P159.

LOCATION.--Lat 33°04'48", long 90°19'22", in NE4NW4 sec.8, T.14 N., R.1 W., Choctaw Meridian, Holmes County, Hydrologic Unit 08030206, at Thornton.

Owner: M. L. Smith.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 3-2 in, depth, 1,597 ft, screened 1,557-1,597 ft.

DATUM.--Land-surface datum is 111.72 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 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 above land-surface datum, July 31, 1941, lowest measured, 53.0 ft above land-surface datum, Apr. 20, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 11	-60.75

330420089510901. Local number, T014.

LOCATION.--Lat 33°04'20", long 89°51'09", in SE4NE4 sec.14, T.14 N., R.4 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08060201, 0.1 mi 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, depth 608 ft, cased to 588 ft.

DATUM.--Land-surface datum is 263 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: 2-in hole in top of casing, 0.60 ft 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 above land-surface datum, Oct. 8, 1959, lowest measured, 12.58 ft below land-surface datum, Mar. 29, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 1	12.52

330430089534301. Local number, T025.

LOCATION.--Lat 33°04'45", long 89°51'12", in SE4SE4 sec.11, T.14 N., R.4 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08060201, 0.3 mi northwest of center of Durant on Washington Street.

Owner: Town of Durant.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 18 in, depth 660 ft.

DATUM.--Land-surface datum is 265 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: 3/4-in air vent hole at pump base, 2.5 ft above land-surface datum.

PERIOD OF RECORD.--May 1987, July 1991 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.0 ft below land-surface datum, May 15, 1987, lowest measured, 21.97 ft below land-surface datum, July 1, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
JUL 1	21.97

HUMPHREYS COUNTY

331539090351701. Local number, B014.

LOCATION.--Lat 33°15'39", long 90°35'17", in SW4NW4 sec.2, T.16 N., R.4 W., Choctaw Meridian, Humphreys County, Hydrologic Unit 08030207, in Isola.

Owner: Mary Ann Demsey (J. D. Lee home).

AQUIFER.--Sand of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 1,400 ft.

DATUM.--Land-surface datum is 111 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 3-in tee at well head, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--December 1938, April 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.0 ft above land-surface datum Dec. 10, 1938, lowest measured, 9.0 ft above land-surface datum, Apr. 10, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 10	-9.0

330606090353501. Local number, E088.

LOCATION.--Lat 33°06'06", long 90°35'35", in NW4SW4 sec.35, T.15 N., R.4 W., Choctaw Meridian, Humphreys County, Hydrologic Unit 08030207, 7.5 mi southwest of Belzoni.

Owner: Prather Farms.

AQUIFER.--Mississippi River Valley Alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water table well, diameter 16 in, depth 96 ft.

DATUM.--Land-surface datum is 96 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 16 in casing, 1.10 ft above land-surface datum.

PERIOD OF RECORD.--July 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.28 ft below land-surface datum, Mar. 25, 1985, lowest measured, 27.70 ft below land-surface datum June 9, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

NO MEASUREMENT MADE IN WY 91.

330805090205501. Local number, G061.

LOCATION.--Lat 33°08'05", long 90°20'55", in SE4NE4 sec.24, T.15 N., R.2 W., Choctaw Meridian, Humphreys County, Hydrologic Unit 08030207, 8 mi southeast of Belzoni.

Owner: Bernard Jones.

AQUIFER.--Meridian Sand member of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in, depth 1520 ft.

DATUM.--Land-surface datum is 115 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Faucet at well head, 1.5 ft above land-surface datum.

PERIOD OF RECORD.--June 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 58.7 ft above land-surface datum, Mar. 30, 1989, lowest measured 52.9 ft above land-surface datum, May 1, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
MAY 1	-52.90

ITAWAMBA COUNTY

341633088243801. Local number, G024.

LOCATION.--Lat 34°16'33", long 88°24'38", in NW4NE4 sec.25, T.9 S., R.8 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, 0.2 mi 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, depth 164 ft.

DATUM.--Land-surface datum is 320 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 1.25 ft above land-surface datum.

PERIOD OF RECORD.--August 1954, August 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.6 ft below land-surface datum, Feb. 16, 1959, lowest measured, 64.64 ft below land-surface datum, Oct. 7, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 3	40.00

ITAWAMBA COUNTY--Continued

341604088244601. Local number, G067. (USCE 106B)
 LOCATION.--Lat 34°16'04", long 88°24'46", in SW4SE4 sec.25, T.9 S., R.8 E., Choctaw Meridian, Itawamba County,
 Hydrologic Unit 03160101, along railroad track, 0.6 mi southeast of center of Fulton.
 Owner: U.S. Army, Corps of Engineers.
 AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
 WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 175 ft.
 INSTRUMENTATION.--Water-level recorder -- 60-minute punch.
 DATUM.--Land-surface datum is 284 ft above National Geodetic Vertical Datum of 1929 (from topographic map).
 Measuring point: Base of recorder house floor, 3.80 ft above land-surface datum.
 REMARKS.--Water levels affected by nearby pumping.
 PERIOD OF RECORD.--June 1978 to November 1990 (destroyed).
 EXTREMES FOR PERIOD OF RECORD.--Highest water level, 8.17 ft below land-surface datum, June 8, 1978, lowest,
 44.16 ft below land-surface datum, Oct. 2, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
OCT 3	16.35

JACKSON COUNTY

302454088493401. Local number, N048.
 LOCATION.--Lat 30°24'55", long 88°49'35", in SE4SW4 sec.19, T.7 S., R.8 W., St. Stephens Meridian, Jackson County,
 Hydrologic Unit 03170009, 0.1 mi east of depot at Ocean Springs at Robinson Avenue and Cash Alley.
 Owner: Larry Casper (Formerly L & N Railroad).
 AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.
 WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth reported 535 ft, screened 495-535 ft
 cased to 495 ft.
 DATUM.--Land-surface datum is 23 ft above National Geodetic Vertical Datum of 1929 (from topographic map).
 Measuring point: Hole in northwest side of pump, 0.80 ft 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 above land-surface datum, 1928, lowest
 measured, 95.49 ft below land-surface datum, July 12, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 3	95.10

302357088473801. Local number, N073.
 LOCATION.--Lat 30°23'57", long 88°47'38", in SE4NW4 sec.28, T.2 S., R.8 W., St. Stephens Meridian, Jackson County,
 Hydrologic Unit 03170009, 2 mi 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, depth 536 ft, screened 516-536 ft.
 DATUM.--Land-surface datum is 22 ft above National Geodetic Vertical Datum of 1929 (from topographic map).
 Measuring point: Top of casing, 1.00 ft 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 above land-surface datum, Apr. 8, 1938,
 lowest measured, 80.71 ft below land-surface datum, Oct. 19, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

NO MEASUREMENT MADE IN WY 91, OBSTRUCTION.

302503088481602. Local number, N511.
 LOCATION.--Lat 30°25'03", long 88°48'16", in NE4SE4 sec.20, T.7 S., R.8 W., St. Stephens Meridian, Jackson County,
 Hydrologic Unit 03170009, 1.5 mi east of depot at Ocean Springs.
 Owner: Tommy Moreton.
 AQUIFER.--Sand of Pascagoula Formation of late Miocene age.
 WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 3 in, depth 1,280 ft, screened 1,240-1,280 ft.
 DATUM.--Land-surface datum is 5 ft above National Geodetic Vertical Datum of 1929 (from topographic map).
 Measuring point: Top of 3-in tee, 2 ft above land-surface datum.
 PERIOD OF RECORD.--July 1984 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.0 ft above land-surface datum, July 1, 1984,
 lowest measured, 11.5 ft above land-surface datum Apr. 18, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 3	-14.75

JACKSON COUNTY--Continued

302451088325901. Local number, P045.

LOCATION.--Lat 30°24'51", long 99°32'59", in NE¼NE¼ sec.10, T.7 S., R.6 W., St. Stephens Meridian, Jackson County, Hydrologic Unit 03170008, 0.5 mi 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, depth 806 ft, cased to 806 ft.

DATUM.--Land-surface datum is 20 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Hole in tee, 0.80 ft 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 above land-surface datum, Sept. 6, 1919, lowest measured, 54.07 ft below land-surface datum, Nov. 6, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 3	41.75

302244088325801. Local number, P068.

LOCATION.--Lat 30°22'44", long 88°32'58", in SE¼NE¼ sec.2, T.8 S., R.6 W., St. Stephens Meridian, Jackson County, Hydrologic Unit 03170006, 1 mi 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, depth 292 ft, cased to 282 ft.

DATUM.--Land-surface datum is 12 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Air vent in top of plate at well head, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--April 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.05 ft below land-surface datum, Apr. 18, 1962, lowest measured, 95.90 ft below land-surface datum, July 12, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 3	62.10

302134088330803. Local number, P124.

LOCATION.--Lat 30°21'34", long 88°33'08", in SW¼SE¼ sec.11, T.8 S., R.6 W., St. Stephens Meridian, Jackson County, Hydrologic Unit 03170006, 0.5 mi 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, depth 801 ft, cased to 721 ft.

DATUM.--Land-surface datum is 10.50 ft above National Geodetic Vertical Datum of 1929. Measuring point: Hole in northeast side of plate at well head, 1.00 ft 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 below land-surface datum, Mar. 21, 1960, lowest measured, 144.64 ft below land-surface datum, June 12, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 3	55.96

302042088331801. Local number, P134.

LOCATION.--Lat 30°20'42", long 88°33'18", in SE¼ sec.6, T.8 S., R.6 W., St. Stephens Meridian, Jackson County, Hydrologic Unit 03170006, 1.5 mi south of center of Pascagoula at Farnsworth Avenue and Fifth Street.

Owner: City of Pascagoula.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in, depth 750 ft.

DATUM.--Land-surface datum is 10.54 ft above National Geodetic Vertical Datum of 1929. Measuring point: Air vent in north side of pump base, 1.00 ft 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 below land-surface datum, May 5, 1960, lowest measured, 121.03 ft below land-surface datum, June 12, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 3	53.18

JACKSON COUNTY--Continued

302535088303501. Local number, Q025.

LOCATION.--Lat 30°25'35", long 88°30'35", in NW4NE4 sec.20, T.7 S., R.5 W., St. Stephens Meridian, Jackson County, Hydrologic Unit 03170008, 2 mi east of center of Escatawpa on Elder Ferry Road at packing plant.

Owner: Seacoast Products (Formerly Smith Fisheries).

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 200 ft.

DATUM.--Land-surface datum is 4 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--June 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.07 ft below land-surface datum, Apr. 15, 1960, lowest measured, 49.56 ft below land-surface datum, Apr. 30, 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 3	29.75

302126088293801. Local number, Q112.

LOCATION.--Lat 30°21'32", long 88°29'38", in SW4SW4 sec.9, T.8 S., R.5 W., St. Stephens Meridian, Jackson County, Hydrologic Unit 03170009, 5 mi southeast of center of Pascagoula on east side of State Highway 611 north of Standard Oil Refinery.

Owner: Jackson County Board of Supervisors.

AQUIFER.--Sand of Citronelle Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6-4 in, depth 202 ft, screened 192-202 ft cased to 192 ft.

DATUM.--Land-surface datum is 3.4 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--May 1960 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.29 ft below land-surface datum, May 6, 1960, lowest measured, 16.22 ft below land-surface datum, July 14, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 3	8.98

302304088305901. Local number, Q149.

LOCATION.--Lat 30°23'04", long 88°30'59", in SE4SE4 sec.31, T.8 S., R.5 W., St. Stephens Meridian, Jackson County, Hydrologic unit 03170006, 0.5 mi west of State Highway 607 on U.S. Highway 90 east of Pascagoula.

Owner: Dairy Fresh Corporation.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 333 ft.

DATUM.--Land-surface datum is 15 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--June 1963, August 1977 to May 1990 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.27 ft below land-surface datum, Apr. 17, 1990, lowest measured 116.30 ft below land-surface datum, Aug. 30, 1977.

302103088294701. Local number, Q403.

LOCATION.--Lat 33°21'03", long 88°29'47", in NE4SE4 sec. 17, T. 8 S., R. 5 W., St. Stephens Meridian, Jackson County.

Hydrologic Unit 03170009, mi southeast of center of Pascagoula 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, depth 346 ft, cased to 340 ft.

DATUM.--Land-surface datum is 12 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 3.3 ft 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, 45.90 ft below land-surface datum, Apr. 17, 1990; lowest measured, 145.1 ft below land-surface datum, June 19, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 3	60.05

JACKSON COUNTY--Continued

302253088302401. Local number, Q407.

LOCATION.--Lat 30°22'53", long 88°30'24", in SW¼NW¼ sec.5, T.8 S., R.5 W., St. Stephens Meridian, Jackson County, Hydrologic Unit 03170006, 2.5 mi east of center of Pascagoula on Old Mobile Highway at Chateau Drive.

Owner: City of Pascagoula.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 327 ft.

DATUM.--Land-surface datum is 13.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in pipe, 2.50 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--March 1975, April 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.0 ft below land-surface datum Mar. 1, 1975; lowest measured, 146.93 ft below land-surface datum, Oct. 4, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 3	114.80

302141088313101. Local number, Q424.

LOCATION.--Lat 30°21'41", long 88°31'31", in sec 30, T.8 S., R.5 W., St. Stephens Meridian, Jackson County, Hydrologic Unit 03170009, 1.5 mi east of center of Pascagoula at Chico and Scovel Streets.

Owner: City of Pascagoula.

AQUIFER.--Sand of Citronelle Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 182 ft.

DATUM.--Land-surface datum is 12 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--September 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.90 ft below land-surface datum, Apr. 17, 1990; lowest measured 25.0 ft below land-surface datum, Sept. 2, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 3	18.26

JEFFERSON COUNTY

314245091034601. Local number, H001.

LOCATION.--Lat 31°42'45", long 91°03'46", in SW¼NW¼ sec. 45, T.9 N., R.1 E., Washington Meridian, Jefferson County, Hydrologic Unit 08060204, 0.1 mi west of courthouse in Fayette at waterworks.

Owner: Town of Fayette.

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in., depth 262 ft.

DATUM.--Land-surface datum is 280 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Air vent in side of pump base, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--February 1961, November 1980, April 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 134.10 ft below land-surface datum, Feb. 17, 1961; lowest measured 161.89 ft below land-surface datum, Mar. 19, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 23	145.65

JONES COUNTY

314716089054801. Local number, C111.

LOCATION.--Lat 31°47'16", long 89°05'48", in NE¼SE¼ sec.33, T.10 N., R.11 W., St. Stephens Meridian, Jones County, Hydrologic Unit 03170005, 6.5 mi north of center of Laurel at Sharon Community.

Owner: Sharon Water Association.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6-4 in, depth 248 ft.

DATUM.--Land-surface datum is 305 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: 1/2-in hole in 6-in well seal, 2.00 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--February 1972, December 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 110 ft below land-surface datum, Feb. 22, 1972, lowest measured, 158.15 ft below land-surface datum, Sept. 15, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 10	129.94

JONES COUNTY--Continued

314143089083901. Local number, G055.

LOCATION.--Lat 31°41'43", long 89°08'39", in NW4NW4 sec.6, T.8 N., R.11 W., St. Stephens Meridian, Jones County,
Hydrologic Unit 03170005, 1 mi west of the west of the center of Laurel at 6th Street and 14th Avenue.
Owner: City of Laurel.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 24-12 in, depth 405 ft, cased to 345 ft.

DATUM.--Land-surface datum is 279.2 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of
recorder house floor, 2.00 ft above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--March 1964, January 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 126 ft below land-surface datum, March 1964, lowest
measured, 208.60 ft below land-surface datum, Apr. 6, 1987.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 10	174.70
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LAFAYETTE COUNTY

343005089301301. Local number, B001.

LOCATION.--Lat 34°30'05", long 89°30'13", in NW4SE4 sec.3, T.7 S., R.3 W., Chickasaw Meridian, Lafayette County,
Hydrologic Unit 08030201, 0.2 mi east of State Highway 7 at Abbeville.
Owner: Town of Abbeville.

AQUIFER.--Sand of lower part of Wilcox Group of Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 520 ft.

DATUM.--Land-surface datum is 420 ft above National Geodetic Vertical Datum of 1929 (from topographic map).
Measuring point: Top of casing, 1.00 ft above land-surface datum.

REMARKS.--Water level affected by pumping.

PERIOD OF RECORD.--February 1963, September 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 155 ft below land-surface datum, February 1963,
lowest measured, 166.44 ft below land-surface datum, Mar. 28, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 2	164.70
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342130089313001. Local number, F021.

LOCATION.--Lat 34°21'30", long 89°31'30", in SW4NW4 sec.28, T.8 S., R.3 W., Chickasaw Meridian, Lafayette County,
Hydrologic Unit 08030203, 1.5 mi southwest of center of Oxford at Chambers Manufacturing Company south of State
Highway 6 on Old Taylor Road.
Owner: City of Oxford.

AQUIFER.--Sand of Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in, depth reported 250 ft.

DATUM.--Land-surface datum is 470 ft above National Geodetic Vertical Datum of 1929 (from topographic map).
Measuring point: Top of concrete base, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--October 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 98.80 ft below land-surface datum, Jan. 6, 1976,
lowest measured, 108.10 ft below land-surface datum, Aug. 31, 1973.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 2	104.67
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342104089320301. Local number, F112.

LOCATION.--Lat 34°21'04", long 89°32'03", in SW4SE4 sec.29, T.8 S., R.3 W., Chickasaw Meridian, Lafayette County,
Hydrologic Unit 08030203, mi south of State Highway 6 on Old Taylor Road.
Owner: City of Oxford.

AQUIFER.--Sand of Wilcox Group of early Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 439 ft.

DATUM.--Land-surface datum is 470 ft above National Geodetic Vertical Datum of 1929 (from topographic map).
Measuring point: Top of casing, 1.00 ft 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, 162.11 ft below land-surface datum, June 18, 1985,
lowest measured, 226.15 ft below land-surface datum, June 30, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 2	163.77
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GROUND-WATER LEVELS

LAMAR COUNTY

311938089211101. Local number, E214.

LOCATION.--Lat 31°19'38", long 89°21'11", in SW4NE4 sec.12, T.4 N., R.14 W., St. Stephens Meridian, Lamar County, Hydrologic Unit 03170004, behind Methodist Hospital off U. S. Highway 98 west.

Owner: City of Hattiesburg.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in, depth 660 ft.

DATUM.--Land-surface datum is 218 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of top of 3-in casing at land-surface datum.

PERIOD OF RECORD.--October 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 97.80 ft below land-surface datum, Apr. 7, 1987, lowest measured, 100.94 ft below land-surface datum, Apr. 4, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 4	100.94
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310934089252101. Local number, L093.

LOCATION.--Lat 31°09'35", long 89°25'21", in SE4SE4 sec.5, T.2 N., R.14 W., St. Stephens Meridian, Lamar County, Hydrologic Unit 03180004, 1.5 mi northwest of center of Purvis on State Highway 581.

Owner: Progress Water Association.

AQUIFER.--Sand of Hattiesburg Formation of Miocene age.

WELL CHARACTERISTICS.--Drilled public supply artesian well, diameter 8-6 in, depth 264 ft.

DATUM.--Land-surface datum is 375 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 3/4-in air vent, 2.00 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--January 1976, November 1980, September 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 142 ft below land-surface datum, Jan. 27, 1976, lowest measured, 177.15 ft below land-surface datum, June 20, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 3	166.20
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LAUDERDALE COUNTY

321902088445701. Local number, M003.

LOCATION.--Lat 32°19'02", long 88°44'57", in NW4SE4 sec.34, T.6 N., R.15 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03170001, 4 mi southwest of center of Meridian on U.S. Highway 11 at fish hatchery.

Owner: U.S. Fish and Wildlife Service.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled hatchery-supply artesian well, diameter 10-8 in, depth 729 ft, cased to 688 ft.

DATUM.--Land-surface datum is 280 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

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, 13.37 ft above land-surface datum, Oct. 20, 1971, lowest measured, 14.80 ft below land-surface datum, Apr. 16, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 15	14.28
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LAWRENCE COUNTY

313310090062001. Local number, G002.

LOCATION.--Lat 31°33'10", long 90°06'20", in NW4NW4 sec.28, T.7 N., R.11 E., Washington Meridian, Lawrence County, Hydrologic Unit 03180003, near center of Monticello, 400 ft northwest of courthouse on Washington Street.

Owner: Town of Monticello.

AQUIFER.--Sands of Catahoula Sandstone of early Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10-6 in, depth 895 ft.

DATUM.--Land-surface datum is 198 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 8-in casing, 2.80 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--November 1949, November 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 18 ft below land-surface datum November 1949, lowest measured, 183.20 ft below land-surface datum, Apr. 9, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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SEPT 27	172.35
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LEAKE COUNTY

324348089314801. Local number, K015.

LOCATION.--Lat 32°43'48", long 89°31'48", in NE¼NW¼ sec. 12, T.10 N., R.7 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, near center of Carthage on Van Buren Street.

Owner: Town of Carthage.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public supply artesian well, diameter 16-10 in, depth 640 ft.

DATUM.--Land-surface datum is 400 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: 3/4-in vent pipe at pump motor base, 1.70 ft above land surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--November 1963, December 1979, October 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 35 ft below land-surface datum, Nov. 1963, lowest measured, 137.40 ft below land-surface datum, May 2, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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MAY 2	137.40
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324427089295201. Local number, L001.

LOCATION.--Lat 32°44'20", long 89°29'50", in SW¼SE¼ sec.5, T.10 N., R.8 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, 2.5 mi east of center of Carthage on State Highway 16 at McAfee.

Owner: C. Daugherty.

AQUIFER.--Sand of middle part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4-2 in, depth reported 700 ft, screened 680-700 ft cased to 680 ft.

DATUM.--Land-surface datum is 350 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 2.50 ft 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 below land-surface datum, May 1, 1958, lowest measured, 55.88 ft below land-surface datum, May 2, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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MAY 2	55.88
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LEE COUNTY

341555088463501. Local number, G043

LOCATION.--Lat 34°15'55", long 88°46'35", in SW¼SE¼ sec.28, T.9 S., R.5 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, 4 mi west of center of Tupelo on Chesterfield Road.

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 16-18 in, depth 686 ft.

DATUM.--Land surface datum is 320 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Air vent in pump base, 1.5 ft above land-surface datum.

PERIOD OF RECORD.--March 1969, October 1979, June 1981, November 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 153 ft below land-surface datum, Mar. 1, 1969, lowest measured, 249.88 ft below land-surface datum, Apr. 20, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 3	248.85
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341632088403001. Local number, H009.

LOCATION.--Lat 34°16'32", long 88°40'30", in SW¼NE¼ sec.28, T.9 S., R.6 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, about 2.5 mi east of Tupelo and north of U.S. Highway 78 on Saltillo road.

Owner: Pierce Grocery.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in, depth 335 ft.

DATUM.--Land-surface datum is 280 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--December 1947, January 1967 to February 1968, October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35 ft below land-surface datum, Dec. 1, 1947, lowest measured, 173.90 ft below land-surface datum, Aug. 28, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL	DATE	WATER LEVEL
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APR 3	166.80	MAY 20	166.75
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LEE COUNTY--Continued

341547088422901. Local number, H022.

LOCATION.--Lat 34°15'47", long 88°42'29", in NW4NW4 sec.31, T.9 S., R.6 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, 0.5 mi northwest of center of Tupelo at Leake Street and Park Avenue.

Owner: City of Tupelo.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12-8 in, depth 430 ft, cased to 370 ft.

DATUM.--Land-surface datum is 280 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Air vent in north side of pump base, at land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--1954, October 1965 to October 1967, April 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 120 ft below land-surface datum, 1954, lowest measured, 247.09 ft below land-surface datum, Dec. 16, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
MAY 21	217.05

341948088423101. Local number, H033.

LOCATION.--Lat 34°19'48", long 88°42'31", in NW4SE4 sec.6, T.9 S., R.6 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, 0.5 mi north of center of Tupelo off U.S. Highway 45 at Natchez Trace Headquarters.

Owner: Natchez Trace Parkway.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 8 in, depth 492 ft.

DATUM.--Land-surface datum is 315 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top 8 in seal, 1.50 ft above land-surface datum.

PERIOD OF RECORD.--June 1956, October 1965, February 1967, December 1973, December 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 62 ft below land-surface datum, June 1965, lowest measured, 166.00 ft below land-surface, Apr. 3, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 3	166.00	MAY 20	164.10

341536088421001. Local number, H042.

LOCATION.--Lat 34°15'36", long 88°42'10", in SE4NE4 sec.31, T.9 S., R.6 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, 0.2 mi 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, depth 562 ft cased to 510 ft.

DATUM.--Land-surface datum is 280 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Air vent in east side of pump base, 3.00 ft 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 below land-surface datum, Aug. 16, 1966, lowest measured, 257.00 ft below land-surface datum, May 13, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 3	223.58	MAY 21	214.96

341235088431601. Local number, K029.

LOCATION.--Lat 34°12'35", long 88°43'16", in SE4SE4 sec.13, T.10 S., R.5 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, on U.S. Highway 45 at Barber Milk Company, 3.5 mi south of center of Tupelo.

Owner: Barber Milk Company.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in., depth reported 491 ft, cased to 451 ft.

DATUM.--Land-surface datum is 345 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 0.80 ft 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 below land-surface datum, Mar. 22, 1967, lowest measured, 304.60 ft below land-surface datum, Aug. 25, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 3	291.64	MAY 22	281.00

LEE COUNTY--Continued

340522088371701. Local number, 0014.

LOCATION.--Lat 34°05'25", long 88°37'17", in SW4SE4 sec.25, T.11 S., R.6 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, 0.1 mi 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, depth 612 ft, cased to 587 ft.

DATUM.--Land-surface datum is 260 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Hole in well base, 0.70 ft 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 below land-surface datum, July 15, 1940, lowest measured, 68.28 ft below land-surface datum, Apr. 9, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 3	67.02	MAY 21	65.90

340523088371701. Local number, 0015.

LOCATION.--Lat 34°05'23", long 88°37'17", in SW4SE4 sec.25, T.11 S., R.6 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, 0.1 mi 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, depth 282 ft.

DATUM.--Land-surface datum is 266 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Air vent in west side of pump base, 2.00 ft 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 below land-surface datum, September 1956, lowest measured, 95.66 ft below land-surface datum, Apr. 3, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 3	95.66

340659088424601. Local number, 0022.

LOCATION.--Lat 34°06'59", long 88°42'46", in NE4NW4 sec. 19, T.11 S., R.6 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, at City Hall on corner of Broad and Boyd Streets, near center of Shannon.

Owner: Town of Shannon.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 485 ft. 1929 (from topographic map).

Measuring point: Vent pipe in pump motor base, 1.20 ft above land-surface datum.

PERIOD OF RECORD.--July 1957, November 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35 ft below land, surface datum, July 1957, lowest measured, 126.37 below land surface datum, Apr. 3, 1991.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 3	126.37

LEFLORE COUNTY

333823090205101. Local number, D160.

LOCATION.--Lat 33°38'23", long 90°20'51", in NW4SW4 sec.31, T.21 N., R.1 W., Choctaw Meridian, Leflore County, Hydrologic Unit 08030207, 0.1 mi east of center of Schlater on south side of State Highway 442.

Owner: Mrs. D. B. Jameson.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in, depth 816 ft, cased to 816 ft.

DATUM.--Land-surface datum is 132.05 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1-in pipe, 2.30 ft 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 above land-surface datum, 1919, lowest measured, 14.40 ft below land-surface datum, Mar. 30, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 10	12.34

LEFLORE COUNTY--CONTINUED

333437090262601. Local number, F053.

LOCATION.--Lat 33°34'37", long 90°26'26", in NW4NW4 sec.29, T.20 N., R.2 W., Choctaw Meridian, Leflore County, Hydrologic Unit 08030207, 6 mi southwest of Schlater.

Owner: William Tackett.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16 in, depth 100 ft.

DATUM.--Land-surface datum is 120 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 1.60 ft above land-surface datum.

REMARKS.--Water levels affected by seasonal pumping. Recorder pulled March 1982.

PERIOD OF RECORD.--March 1978, May 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18 ft below land-surface datum, March 24, 1978, lowest measured, 47.26 ft below land-surface datum, Oct. 5, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 2	41.14

333159090113401. Local number, L079.

LOCATION.--Lat 33°31'59", long 90°11'34", in SW4SE4 sec.4, T.19 N., R.1 E., Choctaw Meridian, Leflore County, Hydrologic Unit 08030205, at elevated tank on Parkes Street near center of Greenwood.

Owner: City of Greenwood.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in, depth 800 ft.

DATUM.--Land-surface datum is 128 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: End of 2-in nipple off casing, 2.2 ft above land-surface datum.

PERIOD OF RECORD.--April 1960, April 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.5 ft above land-surface datum, Apr. 28, 1960, lowest measured, 26.97 ft below land-surface datum, Apr. 16, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 9	24.28

333135090124402. Local number, L111.

LOCATION.--Lat 33°31'35", long 90°12'44", in SE4SE4 sec.8, T.19 N., R.1 E., Choctaw Meridian, Leflore County, Hydrologic Unit 08030205, at Henderson Generating Plant west of U.S. Highway 82, Greenwood.

Owner: City of Greenwood.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 10 in, depth 95 ft.

DATUM.--Land-surface datum is 95 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Base of recorder shelter, 2.50 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.35 ft below land-surface datum, Mar. 30, 1990, lowest measured 35.96 ft below land-surface datum, Sept. 18, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 10	10.64

333050090112501. Local number, L150.

LOCATION.--Lat 33°30'50", long 90°11'25", in NE4NE4 sec.16, T.19 N., R.1 E., Choctaw Meridian, Leflore County, Hydrologic Unit 08030205, at street department barn, Parkway Street and Johnson Street.

Owner: City of Greenwood.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 220 ft.

DATUM.--Land-surface datum is 126 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 1.5 ft above land-surface datum.

PERIOD OF RECORD.--January 1964, April 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.40 ft below land-surface datum, Mar. 30, 1990, lowest measured, 50 ft below land-surface datum, Jan. 22, 1964.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 10	9.32

LEFLORE COUNTY--Continued

333100090105801. Local number, L152.

LOCATION.--Lat 33°31'00", long 90°10'58", in NEMNW4 sec.15, T.19 N., R.1 E., Choctaw Meridian, Leflore County, Hydrologic Unit 08030206, 0.1 mi 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, depth 660 ft, reported screened 620-640 ft.

DATUM.--Land-surface datum is 133.98 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1/2-in bushing in top of well, 2.80 ft 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 above land-surface datum, Aug. 5, 1944, lowest measured, 26.28 ft below land-surface datum, Sept. 21, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 10	17.25

LINCOLN COUNTY

313731090370101. Local number, B037.

LOCATION.--Lat 31°37'31", long 90°37'01", in NEMNE4 sec.32, T.8 N., R.6 E., Washington Meridian, Lincoln County, Hydrologic Unit 03180005, 10 mi west of Brookhaven.

Owner: Ronald Durr.

AQUIFER.--Sand of Citronelle Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in, depth 152 ft.

DATUM.--Land-surface datum is 434 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 0.70 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 64.50 ft below land-surface datum, May 24, 1980, lowest measured, 69.20 ft below land-surface datum, Mar. 12, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
JUN 12	67.20

313504090261401. Local number, H010.

LOCATION.--Lat 31°35'04", long 90°26'14", in SW4SE4 sec.7, T.7 N., R.8 E., Washington Meridian, Lincoln County, Hydrologic Unit 03180005, 0.5 mi 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, depth 165 ft, cased to 115 ft.

DATUM.--Land-surface datum is 485 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Air vent, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--1969, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.54 ft below land-surface datum, Oct. 11, 1978, lowest measured, 75.33 ft below land-surface datum, Apr. 14, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	63.74	APR 9	67.82

LOWNDES COUNTY

333845088275404. Local number, A014.

LOCATION.--Lat 33°38'45", long 88°27'54", in NEMSW4 sec.19, T.16 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160101, 11 mi north west 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, depth 456 ft, screened 425-456 ft.

DATUM.--Land-surface datum is 188 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 0.50 ft above land-surface datum.

PERIOD OF RECORD.--July 1973, 1975, April 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.16 ft below land-surface datum, Jan. 28, 1975, lowest measured, 36.41 ft below land-surface datum, Oct. 18, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 3	35.24

LOWNDES COUNTY--Continued

333805088291002. Local number A034. (USCE TTM3B)

LOCATION.--Lat 33°38'05", long 88°29'10", in NW4NW4 sec.36, T.16 S., R.19 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160104, 10.0 mi northwest of Columbus.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 6 in, depth 31 ft, cased to 21 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 182 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 4.9 ft above land-surface datum.

REMARKS.--Water level affected by river stage.

PERIOD OF RECORD.--June 1975 to January 1991 (destroyed).

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.01 ft below land-surface datum, Jan. 30, 1990, lowest, 25.91 ft below land-surface datum, Sept. 15, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	9.11	NOV 7	9.93	DEC 12	20.03

333306088255601. Local number, C029.

LOCATION.--Lat 33°33'06", long 88°25'56", in SW4SW4 sec.28, T.17 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160101, 5 mi north of center of Columbus on east side of U.S. Highway 45.

Owner: Southern Comfort Mobile Homes.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in depth 200 ft.

DATUM.--Land-surface datum is 205 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 0.50 ft above land-surface datum.

PERIOD OF RECORD.--March 1959 to April 1965, October 1975 to Apr. 26, 1984, April 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.00 ft below land-surface datum, July 29, 1959, lowest measured, 45.18 ft below land-surface datum, Oct. 29, 1987.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 20	44.45	SEP 19	44.56

333703088244801. Local number, C030.

LOCATION.--Lat 33°37'03", long 88°24'48", in SE4NW4 sec.3, T.17 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160101, 10 mi 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, depth 380 ft.

DATUM.--Land-surface datum is 210 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 0.50 ft above land-surface datum.

PERIOD OF RECORD.--March 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.53 ft below land-surface datum, Mar. 13, 1959, lowest measured, 22.05 ft below land-surface datum, Apr. 20, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 3	16.47	JUN 19	18.42

332838088393401. Local number, E005.

LOCATION.--Lat 33°28'38", long 88°39'34", in NW4NE4 sec.31, T.19 N., R.16 E., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160104, 1.2 mi southwest of center of Mayhew and 0.1 mi 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, depth 365 ft, cased to 40 ft.

DATUM.--Land-surface datum is 226 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 0.50 ft 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 below land-surface datum, Apr. 29, 1958, lowest measured, 115.25 ft below land-surface datum, Apr. 3, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 3	115.25

LOWNDES COUNTY--Continued

333052088234101. Local number, G185.

LOCATION.--Lat 33°30'52", long 88°23'41", in SW¼ sec.11, T.18 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160105, 2.3 mi northeast of center of Columbus at city water treatment plant.
 Owner: City of Columbus.

AQUIFER.--Sand of Coker Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 878 ft.

DATUM.--Land-surface datum is 178 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing at faucet, 2.50 ft above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--March 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 18.30 ft above land-surface datum, Mar. 28, 1977,
 lowest measured, 20.88 ft below land-surface datum, Jan. 23, 1990.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	13.19	DEC 13	12.47	---	----	APR 25	11.44	JUN 5	11.45	AUG 29	11.52
NOV 8	12.99	JAN 31	12.09	MAR 6	11.52	---	----	JUL 24	11.45	---	----

332656088335801. Local number, K037.

LOCATION.--Lat 33°26'56", long 88°33'58", in SW¼SW¼ sec.6, T.18 N., R.17 E., Choctaw Meridian, Lowndes County, Hydrologic Unit 03160106, 1.5 mi east of Golden Triangle Regional Airport.
 Owner: Golden Triangle Industrial Park.

AQUIFER.--Sand of Coker Formation of Tuscaloosa Group of Late Cretaceous Age.

WELL CHARACTERISTICS.--Drilled industrial artesian well, diameter 12 in, depth 1,312 ft.

DATUM.--Land-surface datum is 240 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring Point: Top of air-vent in pump base, 2.50 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 73.90 ft below land-surface datum, Sept. 19, 1991,
 lowest measured, 104.76 ft below land-surface datum, Apr. 20, 1989.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 3	97.80	SEP 19	73.90

332718088333903. Local number, K039.

LOCATION.--Lat 33°27'18", long 88°33'39", in SW¼SW¼ sec.6, T.18 N., R.17 E., Choctaw Meridian, Lowndes County, Hydrologic Unit 03160106, 1.5 miles east of Golden Triangle Regional Airport.
 Owner: Golden Triangle Industrial Park.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous Age.

WELL CHARACTERISTICS.--Drilled unused artesian observation well, diameter 12 in, depth 329 ft.

DATUM.--Land-surface datum is 240 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 12-in casing, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--December 1979, December 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 94.15 ft below land-surface datum, Apr. 15, 1987,
 lowest measured, 115.58 ft below land-surface datum, Apr. 26, 1984.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL	DATE	WATER LEVEL
JUL 3	102.00	SEP 19	108.63

332517088235601. Local number, L022.

LOCATION.--Lat 33°25'17", long 88°23'56", in SE¼SE¼ sec.10, T.19 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160106, 5 mi southeast of center of Columbus near east bank of Tombigbee River.

Owner: Occidental Chemical Company (Formerly Hooker Chemical Company).

AQUIFER.--Sand of Coker Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 1,190 ft.

DATUM.--Land-surface datum is 178 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 1-in bushing (since Apr. 13, 1976), 1.80 ft above land-surface datum.

REMARKS.--Recovery in water level reflects decrease in pumping.

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 above land-surface datum, Apr. 12, 1961,
 lowest measured, 44.71 ft below land-surface datum, Oct. 8, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
JUL 23	2.68

LOWNDES COUNTY--Continued

332508088235409. Local number, L034.

LOCATION.--Lat 33°25'08", long 88°23'54", in NW4SE4 sec.10, T.19 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160105, south of center of Columbus near east bank of Tombigbee River.

Owner: Occidental Chemical Company (Formerly Hooker Chemical Company).

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 583 ft, reported screened 533-583 ft.

DATUM.--Land-surface datum is 180 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Air breather in pump base, 2.50 ft above land-surface datum.

REMARKS.--Recovery in water level reflects decrease in pumping.

PERIOD OF RECORD.--July 1958, October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.08 ft below land-surface datum, Apr. 3, 1991, lowest measured, 108.80 ft below land-surface datum, May 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 3	29.08

332142088380101. Local number, N029.

LOCATION.--Lat 33°21'42", long 88°38'01", in SW4SW4 sec.4, T.17 N., R.16 E., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160106, 3 mi south of Artesia and east of U.S. Highway 45.

Owner: United Cement Company.

AQUIFER.--Sand of Tombigbee Member of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 570 ft, cased to 240 ft open hole.

DATUM.--Land-surface datum is 280 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 1.5 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 127.80 ft below land-surface datum, Oct. 5, 1978, lowest measured, 152.76 ft below land-surface datum, Sept. 19, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 3	152.64	SEP 19	152.76

MADISON COUNTY

322413090101701. Local number, V013.

LOCATION.--Lat 32°24'13", long 90°10'17", in NE4SE4 sec.35, T.7 N., R.1 E., Choctaw Meridian, Madison County, Hydrologic Unit 03180002, 0.1 mi west of center of Tougaloo at Tougaloo College.

Owner: Tougaloo College.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 800 ft.

DATUM.--Land-surface datum is 380 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Middle of tee, 3.65 ft 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 below land-surface datum, Aug. 18, 1955, lowest measured, 218.50 ft below land-surface datum, Oct. 24, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	218.50	---	----	FEB 27	217.00	APR 16	216.52	JUN 25	216.15	AUG 22	216.44
NOV 26	218.34	JAN 5	217.26	MAR 26	216.68	MAY 28	216.23	JUL 30	216.35	SEP 26	216.56

322415090085001. Local number, V029.

LOCATION.--Lat 32°24'15", long 90°09'44", in NW4SE4 sec.35, T.7 N., R.1 E., Choctaw Meridian, Madison County, Hydrologic Unit 03180002, 0.1 mi west of center of Tougaloo at Tougaloo College.

Owner: Tougaloo College.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled institutional use artesian well, diameter 12 in, depth 831 ft.

DATUM.--Land-surface datum is 355 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: 3/4-in air vent, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--June 1969, July 1991 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 233 ft below land-surface datum, June 1969, lowest measured, 276.84 ft below land-surface datum, Sept. 26, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUL 30	273.69	AUG 22	274.85	SEP 26	276.84

MADISON COUNTY--Continued

322627090062401. Local number, W005.

LOCATION.--Lat 32°26'27", long 90°06'24", in NE¼NE¼ sec.20, T.7 N., R.2 E., Choctaw Meridian, Madison County, Hydrologic Unit 03180002, 1 mi southeast of center of Madison near Bruce Campbell Airport.

Owner: Willard F. Bond Home.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 500 ft.

DATUM.--Land-surface datum is 320 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of concrete base 0.50 ft 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 below land-surface datum, Apr. 12, 1957, lowest measured, 184.16 ft below land-surface datum, Sept. 26, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	183.07	---	----	FEB 26	179.30	APR 15	176.42	JUN 25	172.84	AUG 22	172.60
NOV 26	182.08	JAN 25	179.67	MAR 26	178.70	MAY 28	173.65	JUL 30	173.33	SEP 26	177.45

322702090082301. Local number, W074.

LOCATION.--Lat 32°27'02", long 90°08'23", in SW¼NW¼ sec.18, T.7 N., R.2 E., Choctaw Meridian, Madison County, Hydrologic Unit 03180002, 0.75 mi southwest of center of Madison.

Owner: Town of Madison.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in, depth 1380 ft.

DATUM.--Land-surface datum is 379 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Vent pipe at pump base, 1.10 ft above land-surface datum.

PERIOD OF RECORD.--November 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 290.42 ft below land-surface datum, Dec. 22, 1987, lowest measured, 311.28 May 16, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	301.18	---	----	FEB 26	297.66	APR 16	297.77	JUN 25	301.55	AUG. 22	303.50
NOV 26	299.04	JAN 25	297.49	MAR 26	298.80	MAY 30	298.95	JUL 29	301.85	SEPT 26	303.75

MARSHALL COUNTY

345220089462301. Local number, D005.

LOCATION.--Lat 34°52'20", long 89°41'16", in NW¼NW¼ sec. 36, T.2 S., R.5 W., Chickasaw Meridian, Marshall County, Hydrologic Unit 08030204, near intersection of Old U.S. Highway 78 and State Highway 309 at Byhalia.

Owner: Town of Byhalia.

AQUIFER.--Sand of Ripley Formation of Selma Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10 in, depth 1620 ft.

DATUM.--Land-surface datum is 360 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: 3/4-in vent pipe at pump motor base, 2.74 ft above land-surface datum.

PERIOD OF RECORD.--November 1968, October 1978, March 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13 ft above land-surface datum, Nov. 1968, lowest measured, 44.76 ft below land-surface datum, Apr. 2, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 2	44.76

344618089272801. Local number, P072.

LOCATION.--Lat 34°46'18", long 89°27'24", in NW¼NW¼ sec.6, T.4 S., R.2 W., Chickasaw Meridian, Marshall County, Hydrologic Unit 08030204, at Holly Springs on West Boundary Street.

Owner: Town of Holly Springs.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 718 ft.

DATUM.--Land-surface datum is 510 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 0.50 ft above land-surface datum.

PERIOD OF RECORD.--October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 127.42 ft below land-surface datum, Mar. 28, 1984, lowest measured, 129.7 ft below land-surface datum, Nov. 30, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 2	128.58

MONROE COUNTY

335917088304401. Local number, C003.

LOCATION.--Lat 33°59'17", long 88°30'44", in NE4SE4 sec.26, T.12 S., R.19 W., Huntsville Meridian, Monroe County,
Hydrologic Unit 03160101, 0.3 mi northwest of center of Amory at 108th Street and 5th Avenue 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, depth reported 360 ft.

DATUM.--Land-surface datum is 240 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of pipe on well head, 2.00 ft 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, 14.84 ft below land-surface datum, Mar. 10, 1983,
lowest measured, 31.97 ft below land-surface datum, Apr. 8, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 4	23.50

334958088323601. Local number, L075. (USCE AB11)

LOCATION.--Lat 33°49'58" long 88°32'36", in SE4SE4 sec.26, T.14 S., R.7 E., Chickasaw Meridian, Monroe County,
Hydrologic Unit 03160101, in Aberdeen.

Owner: U.S. Army Corps of Engineer.

AQUIFER.--Sand of McShan Member of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 224 ft, cased to 204 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 200 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 3.2 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--February 1977 to December 1990 (destroyed).

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 13.52 ft below land-surface datum, May 11, 1977, lowest,
27.43 ft below land-surface datum, Aug. 25, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	26.12	NOV 7	26.30

334836088333301. Local number, L103 (formerly P022)

LOCATION.--Lat 33°48'36", long 88°33'33", in NW4NW4 sec. 3, T.15 S., R.7E, Chickasaw Meridian, Monroe County,
Hydrologic Unit 031601, 1 mi southwest of center of Aberdeen on State Highway 25.

Owner: Vista Chemical Corporation (formerly Monroe Manufacturing Company).

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous Age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 216 ft.

DATUM.--Land-surface datum is 218 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 2.60 ft 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 below land-surface datum, Oct. 16, 1962,
lowest measured, 112.30 ft below land-surface datum, Apr. 8, 1969.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 23	100.10

334836088390201. Local number, 0003.

LOCATION.--Lat 33°48'36", long 88°39'02", in NE4NE4 sec.3, T.15 S., R.6 E., Chickasaw Meridian, Monroe County,
Hydrologic Unit 03170101, 2 mi northeast of center of Prairie.

Owner: John Judsen.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 451 ft.

DATUM.--Land-surface datum is 315 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of plate on well head, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--1942, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 173.15 ft below land-surface datum, APR. 20, 1989,
lowest measured, 193.74 ft below land-surface datum, Oct. 16, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 4	178.35

MONROE COUNTY--Continued

334359088391601. Local number, 0016.

LOCATION.--Lat 33°43'59", long 88°39'16", in SW4NE4 sec.34, T.15 S., R.6 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160104, at Muldon on State Highway 25.

Owner: Muldon Grain Elevator Company (Formerly Mobile and Ohio Railroad).

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 620 ft.

DATUM.--Land-surface datum is 300 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 1.7 ft above land-surface datum.

PERIOD OF RECORD.--1901, October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 152.1 ft below land-surface datum, May 4, 1977, lowest measured, 164.91 ft below land-surface datum, Apr. 24, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 4	163.05
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334147088261501. Local number Q018.

LOCATION.--Lat 33°41'47", long 88°26'15", in SE4SE4 sec. 5, T.16S., R18 W., Huntsville Meridian, Monroe County, Hydrologic Unit 03160103, 3 mi south of center of Hamilton on east side of U. S. Highway 45E.

Owner: T.G. Owen.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 390 ft.

DATUM.--Land-surface datum is 216 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: 4-in plug in top of casing, 1.20 ft 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 below land-surface datum, May 1964, lowest measured, 79.20 ft below land-surface datum, Apr. 12, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 4	77.90
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MONTGOMERY COUNTY

332916089432002. Local number, F002.

LOCATION.--Lat 33°29'16", long 89°43'20", in NW4NE4 sec. 25, T.19 N., R.5 E., Choctaw Meridian, Montgomery County, Hydrologic Unit 08060201, 0.5 mi 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, depth 308 ft, screened 248-308 ft.

DATUM.--Land-surface datum is 373.14 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.70 ft 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 below land-surface datum, Apr. 19, 1959, lowest measured, 131.85 ft below land-surface datum, Mar. 28, 1990.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 1	117.20
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NEWTON COUNTY

322722089162002. Local number E023.

LOCATION.--Lat 32°27'22", long 89°16'20", in NW4NW4 sec. 15, T.7 N., R.10 E., Choctaw Meridian, Newton County, Hydrologic Unit 03180001, 0.8 mi east of Post Office at Conehatta.

Owner: Conehatta Indian School.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled institutional artesian well, diameter 8 in, depth 639 ft.

DATUM.--Land-surface datum is 525 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of concrete base, at land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 221.80 ft below land-surface datum, Dec. 4, 1979, lowest measured, 256.22 ft below land-surface datum, May 8, 1990.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL	DATE	WATER LEVEL
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APR 15	238.79	OCT 10	249.15
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GROUND-WATER LEVELS

NOXUBEE COUNTY

330645088332801. Local number, H115.

LOCATION.--Lat 33°06'50", long 88°34'10", in NW4NW4 sec.33, T.15 N., R.17 E., Choctaw Meridian, Noxubee County, Hydrologic Unit 03160108, 1 mi northwest of center of Macon on Pearl Street at railroad.

Owner: Town of Macon.

AQUIFER.--Sand and gravel of Coker Formation of the Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused well, diameter 10 in, depth 1,807 ft, cased to 1,767 ft.

DATUM.--Land-surface datum is 185 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 1/4-in gate valve on discharge pipe, 3.00 ft 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 above land-surface datum, Feb. 3, 1955, lowest measured, 18.81 ft below land-surface datum, Oct. 19, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 4	15.32

325927088442701. Local number, Q018.

LOCATION.--Lat 32°59'27", long 88°44'27", in NW4SW4 sec.11, T.13 N., R.15 E., Choctaw Meridian, Noxubee County, Hydrologic Unit 03160108, 10.6 mi west of Shuqualak.

Owner: Shuqualak Butler Water Association.

AQUIFER.--Sand and gravel of Coker Formation of the Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 2,670 ft.

DATUM.--Land-surface datum is 485 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 10-in casing, at ground level.

PERIOD OF RECORD.--January 1985, April 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 310 ft below land-surface datum, Jan. 29, 1985, lowest measured, 317.08 ft below land-surface datum, Oct. 19, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 4	312.97

OKTIBBEHA COUNTY

332710088471701. Local number, G102.

LOCATION.--Lat 33°27'10", long 88°47'17", in NE4SW4 sec.1, T.18 N., R.14 E., Choctaw Meridian, Oktibbeha County, Hydrologic Unit 03160104, 0.2 mi east of center of State College at Walker Engineering Building.

Owner: Mississippi State University.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 1,008 ft, cased to 968 ft.

DATUM.--Land-surface datum is 380.95 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.33 ft 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 below land-surface datum, Apr. 3, 1941, lowest measured, 237.89 ft below land-surface datum, May 15, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
MAY 15	237.89

PERRY COUNTY

311056088551201. Local number, J015.

LOCATION.--Lat 31°10'56", long 88°55'12", in SE4NW4 sec.32, T.3 N., R.9 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, Beaumont Landing on State Highway 15 north of Beaumont, south end of bridge, downstream side at park and landing.

Owner: Pat Harrison Waterway.

AQUIFER.--Sand of Hattiesburg Formation of Miocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 2 in, depth 576 ft.

DATUM.--Land-surface datum is 90 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring Point: End 2-in pipe, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--April 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 37.0 ft above land-surface datum, May 9, 1984, lowest measured, 24.8 ft above land-surface datum, Apr. 22, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 23	-33.5

PERRY COUNTY--Continued

310956088552101. Local number, M011.

LOCATION.--Lat 31°09'56", long 88°55'21", in SW4SW4 sec.5, T.2 N., R.9 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, near center of Beaumont on Third Street.

Owner: Town of Beaumont.

AQUIFER.--Sand of Hattiesburg Formation of Miocene age.

WELL CHARACTERISTICS.--Drilled public-supply (standby) artesian well, diameter 11 in, depth 666 ft, reported screened 626-666 ft.

DATUM.--Land-surface datum is 95 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Faucet near pump base, 2.50 ft above land-surface datum.

PERIOD OF RECORD.--August 1965, January 1976, June 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35 ft above land-surface datum, Aug. 1, 1965, lowest measured, 18.1 ft above land-surface datum, Apr. 10, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 10	-18.1

PIKE COUNTY

310833090272801. Local Number, G002.

LOCATION.--Lat 31°08'33", long 90°27'28", in NW4NW4 sec.13, T.2 N., R.7 E., Washington Meridian, Pike County, Hydrologic Unit 08070205, 0.1 mi west of center of Magnolia and west of City Hall.

Owner: Town of Magnolia.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 432 ft.

DATUM.--Land-surface datum is 300 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Hole in east side of pump base, 0.50 ft above land-surface datum.

PERIOD OF RECORD.--1967, February 1970, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.00 ft below land-surface datum, 1967, lowest measured, 18.45 ft below land-surface datum, Feb. 17, 1970.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	12.53	APR 9	12.15

PRENTISS COUNTY

344239088323901. Local number, B053.

LOCATION.--Lat 34°42'39", long 88°32'39", in NE4NE4 sec.27, T.4 S., R.7 E., Chickasaw Meridian, Prentiss County, Hydrologic Unit 08010207, 1.25 mi east of U.S. Highway 45 at Thrasher.

Owner: Town of Thrasher.

AQUIFER.--Sand and gravel of Gordo Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 485 ft.

DATUM.--Land-surface datum is 500 ft above land-surface datum of 1929. Measuring point: Top of well seal, 0.88 ft above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--August 1973, November 1982, March 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 162 ft below land-surface datum, Aug. 2, 1973, lowest measured, 197.02 ft below land-surface datum, Oct. 17, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 3	186.64

343921088334101. Local number, F002.

LOCATION.--Lat 34°39'21", long 88°33'41", in SE4SE4 sec.9, T.5 S., R.7 E., Chickasaw Meridian, Prentiss County, Hydrologic Unit 08010207, 0.1 mi north of center of Booneville at Court Street and Main Street.

Owner: Town of Booneville.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in, depth 491 ft, cased to 406 ft.

DATUM.--Land-surface datum is 525 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Air vent on south side of pump base, 3.00 ft 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 below land-surface datum, July 1950, lowest measured, 243.67 ft below land-surface datum, Apr. 1, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 3	218.85

PRENTISS COUNTY--Continued

343142088384401. Local number, J084.

LOCATION.--Lat 34°31'42", long 88°38'44", in SE4NE4 sec.26, T.6 S., R.6 E., Chickasaw Meridian, Prentiss County, Hydrologic Unit 03160101, 1.7 mi north of center of Baldwin on west side of U.S. Highway 45.

Owner: Baldwin Implement Company.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in, depth 440 ft, cased to 158 ft.

DATUM.--Land-surface datum is 345 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of air vent in pump base, 1.50 ft 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 below land-surface datum, July 25, 1973, lowest measured, 64.08 ft below land-surface datum, Apr. 3, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 3	64.08

QUITMAN COUNTY

341538090161501. Local number, E034.

LOCATION.--Lat 34°15'38", long 90°16'15", in SW4NE4 sec.35, T.28 N., R.1 W., Choctaw Meridian, Quitman County, Hydrologic Unit 08030204, 0.3 mi east of intersection of State Highways 3 and 6 on Coldwater Street.

Owner: Town of Marks.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled public-supply (standby) well, diameter 12 in, depth 1500 ft.

DATUM.--Land-surface datum is 166 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Vent pipe on north side of pump, 2.90 ft above land-surface datum.

PERIOD OF RECORD.--October 1970, March 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24 ft above land-surface datum, Oct. 1970, lowest measured, 0.40 ft above land-surface datum, Apr. 9, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 9	-0.40

341516090161601. Local number, E050.

LOCATION.--Lat 34°15'16", long 90°16'16", in NE4SW4 sec.35, T.28 N., R.1 W., Choctaw Meridian, Quitman County, Hydrologic Unit 08030204, near center of Marks, approximately 1/4 mi from State Highway 3 on Ash Street.

Owner: Town of Marks.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in, depth 869 ft.

DATUM.--Land-surface datum is 166 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Inspection plug on east side of pump, 0.80 ft above land-surface datum.

PERIOD OF RECORD.--March 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.60 ft below land-surface datum, Mar. 28, 1990, lowest measured, 5.11 ft below land-surface datum, Mar. 23, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 9	1.15

RANKIN COUNTY

322249089582101. Local number, G043.

LOCATION.--Lat 32°22'49", long 89°58'21", in SW4NW4 sec.10, T.6 N., R.3 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, 7.4 mi north of Brandon on Spillway road.

Owner: Pearl River Valley Water Supply District.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16 in, depth 1,190 ft.

DATUM.--Land-surface datum is 320 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Air vent at pump motor base, 1.70 ft above land-surface datum.

PERIOD OF RECORD.--November 1980, August 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 155 ft below land-surface datum, Nov. 9, 1980, lowest measured, 190.85 ft below land-surface datum, Sept. 26, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	184.35	---	----	FEB 27	181.30	APR 15	180.47	JUN 25	182.35	AUG 22	188.48
NOV 26	183.90	JAN 25	182.35	MAR 26	185.74	MAY 28	181.35	JUL 30	186.00	SEP 26	190.85

RANKIN COUNTY-Continued

321846089475101. Local number, J110.

LOCATION.--Lat 32°18'46", long 89°47'51", in SW4SW4 sec.33, T.6 N., R.5 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, 0.2 mi 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, depth 563 ft, screened 503-563 ft.

DATUM.--Land-surface datum is 365 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Hole in cover plate, at land-surface datum.

PERIOD OF RECORD.--July 1955 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 101.62 ft below land-surface datum, Apr. 9, 1956, lowest measured, 132.91 ft below land-surface datum, Apr. 15, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 15	132.91

321413090093901. Local number, K035

LOCATION.--Lat 32°16'48", long 90°10'32", in NW4NW4 sec.14, T. 5 N., R. 1 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, 0.5 mi east of Pearl River on north side of US Highway 80 at Jackson.

Owner: Fred Harris (Old Billups Station).

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 600 ft.

DATUM.--Land-surface datum is 271 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 4 in casing, 1.40 ft above land-surface datum.

PERIOD OF RECORD.--September 1947, September 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 108.0 ft below land-surface datum September 1949; lowest measured, 203.19 ft below land-surface datum, Sept. 26, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	200.73	---	----	FEB 27	195.20	APR 16	195.20	JUN 25	197.82	AUG 22	202.10
NOV 26	198.00	JAN 25	196.72	MAR 26	197.08	MAY 28	197.28	JUL 30	198.39	SEP 26	203.19

SCOTT COUNTY

322148089283201. Local number, L001.

LOCATION.--Lat 32°21'48", long 89°28'32", in SE4NE4 sec.16, T.6 N., R.8 E., Choctaw Meridian, Scott County, Hydrologic Unit 03180001, 0.1 mi 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, depth 360 ft, cased to 280 ft.

DATUM.--Land-surface datum is 480 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--August 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 95.39 ft below land-surface datum, Apr. 11, 1984, lowest measured, 145.4 ft below land-surface datum, Apr. 28, 1967.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 15	95.44

322147089305801. Local number, L039.

LOCATION.--Lat 32°21'47", long 89°30'58", in SW4NE4 sec.18, T.6 N., R.8 E., Choctaw Meridian, Scott County, Hydrologic Unit 03180001, 2.2 mi west of Forest on U.S. Highway 80.

Owner: Manville Forest Products.

AQUIFER.--Meridian Sand Member of Tallahatchie Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10-6 in, depth 1,310 ft.

DATUM.--Land-surface datum is 475 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 3/4-in air vent, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--November 1973, November 1979, April 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 184 ft below land-surface datum, Nov. 15, 1973, lowest measured, 241.28 ft below land-surface datum, Apr. 15, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 15	241.28

SHARKEY COUNTY

325839090501601. Local number, C043.

LOCATION.--Lat 32°58'39", long 90°50'16", in sec.17, T.13 N., R.6 W., Choctaw Meridian, Sharkey County, Hydrologic Unit 08080209, 0.6 mi 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, depth 1,830 ft, cased to 1,790 ft.

DATUM.--Land-surface datum is 106 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of tee at well head, 2.00 ft above land-surface datum, or top of faucet at road, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--October 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 100.0 ft above land-surface datum, July 23, 1973, lowest measured, 59.0 ft above land-surface datum, Oct. 15, 1983

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 10	-76.7
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324749090553101. Local number, G044.

LOCATION.--Lat 32°47'49", long 90°55'31", in NE¼NW¼ sec.16, T.11 N., R.7 W., Choctaw Meridian, Sharkey County, Hydrologic Unit 08030209, 0.3 mi south of center of Cary on east side of U.S. Highway 61.
Owner: Cary High School.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 1,149 ft.

DATUM.--Land-surface datum is 102 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

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 above land-surface datum, Feb. 10, 1939, lowest measured, 29.02 ft below land-surface datum, Apr. 10, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 10	29.02
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SIMPSON COUNTY

315256089392401. Local number, L001.

LOCATION.--Lat 31°52'56", long 89°39'24", in SE¼NW¼ sec.35, T.1 N., R.6 E., Choctaw Meridian, Simpson County, Hydrologic Unit 03170004, 4 mi east of center of Magee off State Highway 28.
Owner: Okatoma Water Association.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 1,620 ft.

DATUM.--Land-surface datum is 530 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 6-in pipe, 3.5 ft above land-surface datum.

PERIOD OF RECORD.--January 1969, September 1971, July 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 302 ft below land-surface datum, Jan. 31, 1969, lowest measured, 349.05 ft below land-surface datum, Apr. 10, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 10	349.05
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315258089392201. Local number, L013.

LOCATION.--Lat 31°52'58" long 89°39'22", in SE¼NW¼ sec.35, T.1 N., R.6 E., Choctaw Meridian, Simpson County, Hydrologic Unit 03170004, 4 mi east of center of Magee off State Highway 28.
Owner: Okatoma Water Association.

AQUIFER.--Sand of Citronelle Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled public-supply water-table well, diameter 18 in, depth 200 ft, reported screened 150 to 200 ft.

DATUM.--Land-surface datum is 515 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of breather, 2.50 ft above land-surface datum.

PERIOD OF RECORD.--May 1972, May 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 98.75 ft below land-surface datum, Apr. 13, 1983, lowest measured, 119.48 ft below land-surface datum, Apr. 25, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 10	104.86
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SUNFLOWER COUNTY

334017090301801. Local number, H018.

LOCATION.--Lat 33°40'17", long 90°30'18", in SE4NE4 sec.21, T.21 N., R.3 W., Choctaw Meridian, Sunflower County, Hydrologic Unit 08030207, 1.5 mi 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, depth 1,370 ft.

DATUM.--Land-surface datum is 125 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of faucet at well, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--April 1971 to March 1990 (Discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.0 ft above land-surface datum, Apr. 14, 1971, lowest measured, 11.35 ft below land-surface datum, Oct. 27, 1989.

332505090293001. Local number, R021.

LOCATION.--Lat 33°25'05", long 90°29'30", in NW4SW4 sec.22, T.18 N., R.3 W., Choctaw Meridian, Sunflower County, Hydrologic Unit 08030207, 2.5 mi 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, depth 1,547 ft.

DATUM.--Land-surface datum is 110 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of faucet at well, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--November 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.5 ft above land-surface datum, Feb. 10, 1970, lowest measured, 2.35 ft above land-surface datum, Apr. 9, 1991

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 9	-2.35

TATE COUNTY

343723089592801. Local number, F022.

LOCATION.--Lat 34°37'23", long 89°59'28", in SE4SE4 sec.25, T.5 S., R.8 W., Chickasaw Meridian, Tate County, Hydrologic Unit 08030204, 1.2 mi southeast of center of Senatobia at stand tank on Browns Ferry Road.

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, depth 1,085 ft, cased to 1,065 ft.

DATUM.--Land-surface datum is 340 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 1.30 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 121.99 ft below land-surface datum, Apr. 2, 1991, lowest measured, 158.07 ft below land-surface datum, Mar. 26, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 2	121.99

343811089580401. Local number, G037.

LOCATION.--Lat 34°38'11", long 89°58'04", in NW4SW4 sec.20, T.5 S., R.7 W., Chickasaw Meridian, Tate County, Hydrologic Unit 08030204, 1 mi 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, depth 1,180 ft, cased to 1,160 ft.

DATUM.--Land-surface datum is 250 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing 2.20 ft 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 below land-surface datum, June 6, 1973, lowest measured, 108.71 ft below land-surface datum, Mar. 23, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 2	99.44

TIPPAH COUNTY

345658088534101. Local number, B008.

LOCATION.--Lat 34°56'58", long 88°53'41", in SE¼ sec.32, T.1 S., R.4 E., Chickasaw Meridian, Tippah County, Hydrologic Unit 08010207, 0.2 mi 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 Selma Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 147 ft, cased to 137 ft.

DATUM.--Land-surface datum is 470 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of concrete base, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--June 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.70 ft below land-surface datum, Feb. 24, 1975, lowest measured, 67.90 ft below land-surface datum, Nov. 30, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 2	63.67
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345710088535601. Local number, B027.

LOCATION.--Lat 34°57'10", long 88°53'56", in NE¼SE¼ sec.32, T.1 S., R.4 E., Chickasaw Meridian, Tippah County, Hydrologic Unit 08010207, 0.2 mi north of center of Walnut at Swimming pool and elevated tank.

Owner: Town of Walnut.

AQUIFER.--Coffee Sand of Selma Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled public supply artesian well, diameter 10 in, depth 952 ft.

DATUM.--Land-surface datum is 500 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 1 in access pipe at concrete base, 1.50 ft above land-surface datum.

PERIOD OF RECORD.--July 1982, October 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 157.0 ft below land-surface datum, Jul. 1, 1982, lowest measured, 173.48 ft below land-surface datum, Apr. 2, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 2	173.48
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344409088565401. Local number, J022.

LOCATION.--Lat 34°44'09", long 88°56'54", in NW¼SW¼ sec.13, T.4 S., R.3 E., Chickasaw Meridian, Tippah County, Hydrologic Unit 08030201, 0.3 mi north of center of Ripley, east side of U.S. Highway 15.

Owner: Town of Ripley.

AQUIFER.--Coffee Sand of Selma Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 921 ft.

DATUM.--Land-surface datum is 490 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 12-in casing, 2.00 ft above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--October 1970, October 1978, November 1982, May 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 199 ft below land-surface datum, Oct. 1, 1970, lowest measured, 250.90 ft below land-surface datum, Apr. 2, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 2	250.90
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TISHOMINGO COUNTY

345802088142701. Local number, B018.

LOCATION.--Lat 34°58'02", long 88°14'27", in SW¼NE¼ sec.28, T.1 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 06030005, 2.8 mi 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, depth 378 ft, cased to 147 ft.

DATUM.--Land-surface datum is 560 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 0.50 ft above land-surface datum.

PERIOD OF RECORD.--October 1973, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 98.17 ft below land-surface datum, Mar. 6, 1991, lowest measured, 106.55 ft below land-surface datum, Apr. 1, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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MAR 6	98.17
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TISHOMINGO COUNTY-Continued

345603088170601. Local number, B019.

LOCATION.--Lat 34°56'03", long 88°17'06", in NE4SW4 sec.6, T.2 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 06030005, 2 mi northwest of center of Cross Roads.

Owner: Yellow Creek Port.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 266 ft, cased to 90 ft.

DATUM.--Land-surface datum is 467 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--September 1973, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.24 ft below land-surface datum, Mar. 6, 1991, lowest measured, 15.0 ft below land-surface datum, Sept. 29, 1973.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
MAR 6	11.24

343936088161901. Local number, J010.

LOCATION.--Lat 34°39'36", long 88°16'19", in NW4SE4 sec.8, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 03160101, 0.2 mi south of center of Paden at Murphy Street and Lennon Avenue.

Owner: Irwin Schwabe Company.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 181 ft.

DATUM.--Land-surface datum is 420 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 3/4-in nipple at well head (since Mar. 17, 1976), 2.80 ft, or top of cap 1.7 ft land-surface datum.

PERIOD OF RECORD.--July 1971 to February 1972, March 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.20 ft above land-surface datum, Mar. 13, 1974, lowest measured, 2.77 ft below land-surface datum, Nov. 18, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 3	-4.39

TUNICA COUNTY

344540090230801. Local number, D029.

LOCATION.--Lat 34°45'40", long 90°23'08", in SW4SE4 sec.5, T.4 S., R.11 W., Chickasaw Meridian, Tunica County, Hydrologic Unit 08030204, 5 mi north of center of Tunica.

Owner: Jack Day Perry.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16 in, depth 125 ft.

DATUM.--Land-surface datum is 188 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 1.40 ft above land-surface datum.

REMARKS.--Water level affected by seasonal pumping.

PERIOD OF RECORD.--July 1981 to March 1989 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.66 ft below land-surface datum, Mar. 26, 1985, lowest measured, 16.59 ft below land-surface datum, Jan. 22, 1982.

UNION COUNTY

343200089045901. Local number, B006.

LOCATION.--Lat 34°32'00", long 89°04'59", in SE4NW4 sec.27, T.6 S., R.2 E., Chickasaw Meridian, Union County, Hydrologic Unit 08030201, 5 mi northwest of New Albany on north side of U.S. Highway 78.

Owner: Futorian Furniture Corporation (Frame plant).

AQUIFER.--Sand of Ripley Formation of Selma Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled industrial (fire protection) artesian well, diameter 6 in, depth 500 ft.

DATUM.--Land-surface datum is 385 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing below pump base, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--1955, October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25 ft below land-surface datum, 1955, lowest measured, 72.20 ft below land-surface datum, Nov. 18, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 2	69.03

UNION COUNTY--Continued

343418088484901. Local number, E022.

LOCATION.--Lat 34°34'18", long 88°48'49", in NW4SE4 sec.7, T.6 S., R.5 W., Chickasaw Meridian, Union County, Hydrologic Unit 08010207, 6 mi of State Highway 30.

Owner: Keownville Water Association.

AQUIFER.--Coffee Sand of Selma Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 312 ft, cased to 696 ft.

DATUM.--Land-surface datum is 680 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Plug in top of casing, 1.00 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--July 1972, October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 340 ft below land-surface datum, July 5, 1972, lowest measured, 451.40 ft below land-surface datum, May 16, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 2	433.05
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WASHINGTON COUNTY

332432091031501. Local number, D016.

LOCATION.--Lat 33°24'32", long 91°03'15", in irregular sec.4, T.18 N., R.8 W., Choctaw Meridian, Washington County, Hydrologic Unit 08030209, 0.2 mi northeast of center of Greenville at Alexander Street and Illinois Central Railroad.

Owner: Janitors' Supply (formerly Itzig Company).

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 517 ft.

DATUM.--Land-surface datum is 125 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--November 1960, October 1975 to March 1990 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 84.30 ft below land-surface datum, Mar. 27, 1984, lowest measured, 107.87 ft below land-surface datum, June 7, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 9	-24.5
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332007090525401. Local number, H014.

LOCATION.--Lat 33°20'07", long 90°52'54", in NW4SW4 sec.12, T.17 N., R.7 W., Choctaw Meridian, Washington County, Hydrologic Unit 08030209, 5 mi 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, depth 102 ft, cased to 72 ft.

DATUM.--Land-surface datum is 115 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 1.00 ft 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 below land-surface datum, Oct. 14, 1958, lowest measured, 26.35 ft below land-surface datum, Aug. 20, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 10	20.98
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WASHINGTON COUNTY--Continued

331808090532901. Local number, H101.

LOCATION.--Lat 33°18'08", long 90°53'29", in SW4SE4 sec.23, T.17 N., R.7 W., Choctaw Meridian, Washington County, Hydrologic Unit 08030209, 0.1 mi southwest of center of Wilmot.

Owner: J. A. Aldridge.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 1,903 ft, cased to 1,895 ft.

DATUM.--Land-surface datum is 120 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of tee, 0.80 ft above land-surface datum.

PERIOD OF RECORD.--February 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 53.5 ft above land-surface datum, Dec. 20, 1954, lowest measured, 3.95 ft above land-surface datum, Apr. 10, 1991

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 10	-3.95

331120090413001. Local number, M044.

LOCATION.--Lat 33°11'20", long 90°41'30", in NW4SW4 sec.35, T.16 N., R.5 W., Choctaw Meridian, Washington County, Hydrologic Unit 08030207, 11 mi 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, depth reported 110 ft.

DATUM.--Land-surface datum is 105 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 1.20 ft above land-surface datum.

PERIOD OF RECORD.--May 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.28 ft below land-surface datum, Apr. 25, 1975, lowest measured, 31.98 ft below land-surface datum, June 7, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 10	29.34

WAYNE COUNTY

315011088413601. Local number, C058.

LOCATION.--Lat 31°50'11", long 88°41'36", in SE4NE4 sec.16, T.10 N., R.7 W., St. Stephens Meridian, Wayne County, Hydrologic Unit 03170002, 12 mi north of intersection of U.S. Highway 84 and U.S. Highway 45 on west side of U.S. Highway 45.

Owner: Town of Waynesboro.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled public supply artesian well, diameter 16 in, depth 2,402 ft.

DATUM.--Land-surface datum is 252 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point:

Faucet in flow line between check valve and pump, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--September 1982, April 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.0 ft above land-surface datum, Sept. 8, 1982, lowest measured, 39.5 ft above land-surface datum, Apr. 10, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 10	-39.5

314115088392301. Local number, N151.

LOCATION.--Lat 31°41'15", long 88°39'23", in NE4SE4 sec.2, T.8 N., R.7 W., St. Stephens Meridian, Wayne County, Hydrologic Unit 03170002, 1 mi northwest of center of Waynesboro at Turner Street and Gulf Mobile and Ohio

Owner: Town of Waynesboro.

AQUIFER.--Sand of Vicksburg Group of Oligocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18 in, depth 82 ft, cased to 32 ft.

DATUM.--Land-surface datum is 180 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: 1-in hole in breather pipe inside recorder shelter, 2.30 ft above land-surface datum.

PERIOD OF RECORD.--April 1973, February 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.52 ft below land-surface datum, Apr. 5, 1990, lowest measured, 35.73 ft below land-surface datum, Jan. 22, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 10	21.86

WEBSTER COUNTY

332425089212001. Local number, M025.

LOCATION.--Lat 33°24'25", long 89°21'20", in SW¼NW¼ sec.28, T.19 N., R.9 E., Choctaw Meridian, Webster County, Hydrologic Unit 08060201, north side of U.S. Highway 82, 0.2 mi east of Tomnolem.

Owner: Town of Tomnolem.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10 in, depth 359 ft.

DATUM.--Land-surface datum is 350 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of concrete pump base, 1.80 ft above land-surface datum.

PERIOD OF RECORD.--December 1970, July 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.0 ft below land-surface datum, Dec. 30, 1970, lowest measured, 42.86 ft below land-surface datum, Oct. 26, 1987.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	35.18	APR 8	30.89

WILKINSON COUNTY

310415091042201. Local number, T101.

LOCATION.--Lat 31°04'15", long 91°04'22", in SE¼NW¼ sec.2, T.1 N., R.1 E., Washington Meridian, Wilkinson County, Hydrologic Unit 08070202, 1 mi 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, depth 222 ft, screened 162-222 ft cased to 162 ft.

DATUM.--Land-surface datum is 353.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of hole in cover plate, 1.20 ft 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 below land-surface datum, May 5, 1942, lowest measured, 52.22 ft below land-surface datum, Dec. 10, 1954.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 23	49.10

310415091042202. Local number, T102.

LOCATION.--Lat 31°04'15", long 91°04'22", in SE¼NW¼ sec.2, T.1 N., R.1 E., Washington Meridian, Wilkinson County, Hydrologic Unit 08070202, 1 mi 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, depth 415 ft, screened 355-415 ft, cased to 355 ft.

DATUM.--Land-surface datum is 355.1 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of hole in cover plate, 1.48 ft 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 below land-surface datum, May 5, 1942, lowest measured, 167.50 ft below land-surface datum, Oct. 5, 1987.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 23	166.79

310415091042203. Local number, T103.

LOCATION.--Lat 31°04'15", long 91°04'22", in SE¼NW¼ sec.2, T.1 N., R.1 E., Washington Meridian, Wilkinson County, Hydrologic Unit 08070202, 1 mi 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, depth 1,685 ft, screened 1,625-1,685 ft, cased to 1,625 ft.

DATUM.--Land-surface datum is 356.4 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of hole in cover plate, 1.40 ft 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 below land-surface datum, May 13, 1942, lowest measured, 280.56 ft below land-surface datum, Oct. 10, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 23	280.24

YAZOO COUNTY

325905090192202. Local number, B102.

LOCATION.--Lat 32°59'05", long 90°19'22", in SE¼SW¼ sec.8, T.13 N., R.1 W., Choctaw Meridian, Yazoo County, Hydrologic Unit 08030206, 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, depth 800 ft, cased to 770 ft.

DATUM.--Land-surface datum is 112.3 ft above National Geodetic Vertical Datum of 1929. Measuring point: Bottom edge of hole in north side of casing, 5.30 ft above land-surface datum.

PERIOD OF RECORD.--1919, February 1939, April 1943 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.9 ft above land-surface datum, Feb. 1, 1939, lowest measured, 27.34 ft below land-surface datum, Nov. 2, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 11	24.58
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325905090192201. Local number, B103.

LOCATION.--Lat 32°59'05", long 90°19'22", in SE¼SW¼ sec.8, T.13 N., R.1 W., Choctaw Meridian, Yazoo County, Hydrologic Unit 08030206, 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 4-2.5 in, depth 1,735 ft, screened 1,659-1,669, 1,689-1,699, 1,705-1,715 ft.

DATUM.--Land-surface datum is 112 ft above National Geodetic Vertical Datum of 1929 (from topographic map). Measuring point: Top of cap, 0.50 ft above land-surface datum.

REMARKS.--Water levels affected by leakage.

PERIOD OF RECORD.--January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 143.2 ft above land-surface datum, January 1954, lowest measured, 81.7 ft above land-surface datum, Apr. 11, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 11	-81.7
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325100090250701. Local number, G006.

LOCATION.--Lat 32°51'00", long 90°25'07", in SW¼NE¼ sec.32, T.12 N., R.2 W., Choctaw Meridian, Yazoo County, Hydrologic Unit 08030206, 0.3 mi 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, depth 212 ft, cased to 152 ft.

DATUM.--Land-surface datum is 100 ft above National Geodetic Vertical Datum of 1929 (from topographic map). Measuring point: Top of casing or top of recorder house floor, 5.60 ft above land-surface datum.

PERIOD OF RECORD.--September 1940, November 1975 to July 1984, March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.33 ft below land-surface datum, Mar. 30, 1990, lowest measured, 37.72 ft below land-surface datum, Oct. 22, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 11	15.65
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325016090251601. Local number, G126.

LOCATION.--Lat 32°50'16", long 90°25'16", in SW¼NE¼ sec.32, T.12 N., R.2 W., Choctaw Meridian, Yazoo County, Hydrologic Unit 08030206, 0.3 mi 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, depth 801 ft, cased to 761 ft.

DATUM.--Land-surface datum is 96 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 4.0 ft 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 above land-surface datum, Jan. 17, 1939, lowest measured, 48.35 ft below land-surface datum, June 19, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
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APR 11	43.45
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YAZOO COUNTY--Continued

324850090412801. Local number, J012. (USCE L7Y1)

LOCATION.--Lat 32°48'50", long 90°41'28", in NEMSE4 sec.10, T.11 N., R.5 W., Choctaw Meridian, Yazoo County, Hydrologic Unit 08030207, 0.9 mi east of Holly Bluff.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 4 in, depth 59 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 100 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 3.02 ft above land-surface datum.

REMARKS.--Water levels affected by river stage.

PERIOD OF RECORD.--November 1978 to November 1990 (destroyed).

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 7.54 ft below land-surface datum, June 25, 1983, lowest, 25.37 ft below land-surface datum, Dec. 10, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
LOWEST LEVELS

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 2	19.84	OCT 30	20.43

324936090423001. Local number, J128.

LOCATION.--Lat 32°49'36", long 90°42'30", in NEMSE4 sec.4, T.11 N., R.5 W., Choctaw Meridian, Yazoo County, Hydrologic Unit 08030207, 0.2 mi 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, depth 980 ft, cased to 940 ft.

DATUM.--Land-surface datum is 103 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of tee, 3.00 ft 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 above land-surface datum, Aug. 17, 1939, lowest measured, 28.56 ft below land-surface datum, Oct.23, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 12	27.49

324354090325501. Local number, Q013.

LOCATION.--Lat 32°43'54", long 90°32'55", in center NW4 sec.7, T.10 N., R.3 W., Choctaw Meridian, Yazoo County, Hydrologic Unit 08030206, 4 mi north of Satartia.

Owner: John Peaster.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16 in, depth 93 ft.

DATUM.--Land-surface datum is 95 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 0.88 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--August 1969, May 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.51 ft below land-surface datum, June 24, 1983, lowest measured, 28.39 ft below land-surface datum, Sept. 25, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	WATER LEVEL
APR 11	16.31

Aquifer names corresponding to geologic units listed in the QUALITY OF GROUND WATER table are given below.

Geologic Unit	Aquifer Name
110ALVM	Quaternary alluvium, Quaternary
110TRCS	Undifferentiated terrace deposits, Quaternary
111ALVM	Holocene alluvium, Holocene
111TRCS	Undifferentiated terrace deposits, Holocene
112MRVA	Mississippi River alluvial aquifer, Pleistocene
112TRCS	Undifferentiated terrace deposits, Pleistocene
121CRNL	Citronelle Formation, Pliocene
121GRMF	Graham Ferry Formation, Pliocene
122PCGL	Pascagoula Formation, Miocene
122HBRG	Hattiesburg Formation, Miocene
122MOCN	Miocene Series, Miocene
122CTHL	Lower Catahoula Formation, Miocene
123WSBR	Waynesboro Sand Lentil (informal usage) of Byram Formation, Oligocene
123CCKS	Chickasawhay Limestone, Oligocene
123VKBG	Vicksburg Group, Oligocene
123MSPG	Mint Spring Marl member of Marianna Limestone, Oligocene
123FRHL	Forest Hill Sand, Oligocene
124MDBC	Moodys Branch Formation, Eocene
124CCKF	Cockfield Formation, Eocene
124SPRT	Sparta Sand, Eocene
124TLLT	Tallahatta Formation, Eocene
124MUWX	Meridian-Upper Wilcox aquifer, Eocene
124WLCXM	Middle Wilcox aquifer, Eocene
124WLCXL	Lower Wilcox aquifer, Eocene
211RPLY	Ripley Formation, Upper Cretaceous
211COFF	Coffee Sand, Upper Cretaceous
211EUTW	Eutaw Formation, Upper Cretaceous
211EUTWR	Eutaw Formation (restricted), Upper Cretaceous
211EUTWL	Lower Eutaw Formation, Upper Cretaceous
211MCSN	McShan Formation, Upper Cretaceous
211GORD	Gordo Formation, Upper Cretaceous
211COKR	Coker Formation, Upper Cretaceous
211MSSV	Massive Sand, Upper Cretaceous
300PLZC	Paleozoic Erathem, Paleozoic
331TCMB	Tuscumbia Limestone, Upper Mississippian
337FRPN	Fort Payne Chert, Lower Mississippian

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

ADAMS COUNTY

312355091252801 - JO50 ALMOND HUNTING CLUB

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)
			(00027)	(72005)	(72006)	(72008)	(00095)	(00400)	(00010)
JUL 23...	1630	122MOCN	1028	5	8.00	280.00	430	6.9	20.0
DATE	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)
JUL 23...	5	52	23	8.0	1.2	226	2.6	6.1	0.20
DATE	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P) (00671)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
JUL 23...	28	255	262	<0.010	1.20	0.020	0.030	30	10

ALCORN COUNTY

344653088234201 - L056 ALCORN COUNTY WATER ASSOCIATION

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)
JUN 15...	1000	300PL2C	1028	1	8.00	274.83	570.00	230	6.8	17.5
DATE		COLOR (PLAT-INUM-COBALT UNITS) (00080)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)
JUN 15...	30	22	4.2	4.6	4.2	70	13	5.5	<0.10	
DATE		SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P) (00671)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
JUN 15...	8.6		104	107	<0.010	<0.020	0.030	0.020	3000	250

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

BOLIVAR COUNTY

340046090460401 - A070 KBH CORPORATION

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	ALKA- LINEITY LAB (MG/L AS CACO3) (90410)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L AS N) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)
AUG 27...	0755	112MRVA	1028	31	8.00	105.00	517	226	7.3	289	<0.020	52

334738090533901 - F029 T RUSSELL

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	ALKA- LINEITY LAB (MG/L AS CACO3) (90410)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L AS N) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)
AUG 27...	1050	112MRVA	1028	31	8.00	29.00	831					
DATE	TEMPER- ATURE (DEG C) (00010)											
AUG 27...	17.0	342		12	496	<0.020	1.9					

334938090420901 - H006 ED HILL

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	ALKA- LINEITY LAB (MG/L AS CACO3) (90410)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L AS N) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)
AUG 27...	0945	112MRVA	1028	31	8.00	135.00	700					
DATE	TEMPER- ATURE (DEG C) (00010)											
AUG 27...	19.0	340		10	400	<0.020	3.5					

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

BOLIVAR COUNTY--Continued

333345091011501 - R086 DELTA PINE LAND COMPANY

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	
OCT 21...	1000	124CCKF	55555	30	0.11	533.00	40	0.30	<0.10	80	
DATE		POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C SOLVED (MG/L) (70300)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
OCT 21...	0.60	162	0.30	9.5	0.30	12	207	<0.020	20	10	

333543090513801 - T145 SESSION PLEASANT

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)
AUG 27...	1455	112MRVA	1028	31	8.00	107.00	623
DATE		TEMPER-ATURE WATER (DEG C) (00010)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)
AUG 27...	17.0	254	5.1	361	<0.020	15	

COAHOMA COUNTY

341649090400201 - D014 STOVALL FARRIS

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)
AUG 26...	1340	112MRVA	1028	16	8.00	125.00	621	324	5.3	347	<0.020	<0.3

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

COAHOMA COUNTY--Continued

340824090411501 - H020 GRAHAM BRAMLETT

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAM- PLING CONDI- TION SOURCE (72005)	DEPTH OF WELL, TOTAL (FEET) (72006)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)
AUG 26...	1535	112MRVA	1028	31	8.00	108.00
						523

DATE	TEMPER- ATURE (DEG C) (00010)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)
AUG 26...	17.5	239	4.3	303	<0.020	11

340006090393101 - N003 L F FOREMAN

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAM- PLING CONDI- TION SOURCE (72005)	DEPTH OF WELL, TOTAL (FEET) (72006)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)
AUG 26...	1710	112MRVA	1028	31	8.00	54.00	655	327	8.6	368	<0.020
											1.6

335945090305701 - 0018 FLOY HANEY

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAM- PLING CONDI- TION SOURCE (72005)	DEPTH OF WELL, TOTAL (FEET) (72006)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)
AUG 26...	1835	112MRVA	1028	31	8.00	104.00
						564

DATE	TEMPER- ATURE (DEG C) (00010)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)
AUG 26...	18.0	285	7.0	309	<0.020	1.7

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

FORREST COUNTY

310641089163501 - H032 BLACK CREEK RETREAT

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DEPTH OF WELL, TOTAL (FEET)	COLOR (PLAT-INUM-COBALT UNITS)	CALCIUM DIS-SOLVED (MG/L AS CA)
			(00027)	(72005)	(72006)	(72019)	(72008)	(00080)	(00915)
SEP 09...	0600	122HBRG	66666	1	8.00	135.00	440.00	5	10
DATE		MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)
		(00925)	(00930)	(00935)	(90410)	(00945)	(00940)	(00950)	(00955)
SEP 09...	2.5	18	3.4	52	22	3.9	0.10	54	
DATE		SOLIDS, RESIDUE AT 180 DEG. C SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
		(70300)	(70301)	(00613)	(00631)	(00608)	(00671)	(01046)	(01056)
SEP 09...	135	146	<0.010	0.020	0.140	0.150	280	140	

HINDS COUNTY

321154090141901 - R176 RICHARD PUCKETT

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	
			(00027)	(72005)	(72006)	(72008)	(00095)	(00400)	(00010)	
MAY 29...	0835	124SPRT	1028	27	8.00	1232.00	479	9.0	29.0	
DATE		COLOR (PLAT-INUM-COBALT UNITS)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)
		(00080)	(00915)	(00925)	(00930)	(00935)	(90410)	(00945)	(00940)	(00950)
MAY 29...	35	1.0	<0.10	120	1.0	243	8.0	1.9	0.30	
DATE		SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	
		(00955)	(70300)	(00613)	(00631)	(00608)	(00671)	(01046)	(01056)	
MAY 29...	16	295	0.010	0.020	0.330	0.310	120	10		

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

HOLMES COUNTY

331557090122401 - H031 HENRY FLEMING

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM- PLING CONDI- TION	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)
AUG 29...	1530	112MRVA	1028	31	8.00	96.00	181

DATE	TEMPER- ATURE WATER (DEG C) (00010)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)
AUG 29...	26.0	84	4.7	95	<0.020	17

HUMPHREYS COUNTY

331319090333901 - B160 A B EVANS

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM- PLING CONDI- TION	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)
AUG 28...	1715	112MRVA	1028	31	8.00	116.00	551

DATE	TEMPER- ATURE WATER (DEG C) (00010)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)
AUG 28...	19.0	254	21	318	<0.020	3.6

330706090305201 - F155 B L B FARMS

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM- PLING CONDI- TION	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)
AUG 28...	1515	112MRVA	1028	31	8.00	116.00	428

DATE	TEMPER- ATURE WATER (DEG C) (00010)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)
AUG 28...	18.0	226	2.0	250	<0.020	41

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

ISSAQUENA COUNTY

324802091063201 - C042 FRANKLIN FARMS

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	TEMPER-ATURE WATER (DEG C)	ALKA-LINITY LAB (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	TRITIUM TOTAL (PCI/L)
AUG 29...	0930	112MRVA	1028	27	8.00	122.00	19.0	397	6.1	419	<0.020	6.0

323748090515401 - F023 MISSISSIPPI GRAIN SERVICE

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	TEMPER-ATURE WATER (DEG C)	ALKA-LINITY LAB (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	TRITIUM TOTAL (PCI/L)
AUG 29...	1110	112MRVA	1028	8	8.00	140.00	19.5	338	2.0	385	<0.020	12

JACKSON COUNTY

302225088444501 - N544 SEA RANCH INCORPORATED

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
NOV 28...	1300	122PCGL	1028	5	4.00	1320.00	8.0	30.0	5	8.3	1.2

DATE	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
NOV 28...	340	2.9	251	<0.20	370	0.40	17	895	0.040	60	50

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

JASPER COUNTY

315141089134202 - S033 ROY GLENN

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)
JUL 31...	1210	123MSPG	1028	27	0.10	44.00	359.00	386	7.8
DATE	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB AS CACO3	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
JUL 31...	20.5	5	23	7.2	53	5.8	182	26	3.2
DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
JUL 31...	<0.10	18	231	246	<0.010	0.020	0.010	60	10

JONES COUNTY

313708089235001 - E048 TOM FREEMAN

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)
JUL 31...	1000	121CRNL	1028	27	0.10	86.00	69	5.0	20.0
DATE	COLOR (PLAT-INUM-COBALT UNITS)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB AS CACO3	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)
JUL 31...	5	2.9	2.9	3.2	1.7	1.4	<0.20	6.7	<0.10
DATE	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	
JUL 31...	9.2	48	<0.010	5.40	0.010	0.010	10	<10	

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

LAMAR COUNTY

311924089264601 - E225 WEST LAMAR WATER ASSOCIATION

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)
			(00027)	(72005)	(72006)	(72019)	(72008)	(00095)	(00400)	(00010)
JUL 31...	1230	122CTHL	1028	1	8.00	242.00	1256.00	290	8.9	26.5
DATE		COLOR (PLAT-INUM-COBALT UNITS) (00080)	CALCIUM DIS-SOLVED (MG/L) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L) (00925)	SODIUM, DIS-SOLVED (MG/L) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L) (00935)	ALKA-LINITY LAB AS (MG/L) (90410)	SULFATE DIS-SOLVED (MG/L) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L) (00950)
JUL 31...	5	2.0	0.20	70	1.8	145	10	3.2	0.20	
DATE		SILICA, DIS-SOLVED (MG/L) (00955)	SOLIDS, RESIDUE AT 180 DEG. C (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L) (00608)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L) (00671)	IRON, DIS-SOLVED (UG/L) (01046)	MANGA-NESE, DIS-SOLVED (UG/L) (01056)
JUL 31...	25	191	200	<0.010	0.060	0.170	0.130	30	<10	

311923089264601 - E226 WEST LAMAR WATER ASSOCIATION

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)
			(00027)	(72005)	(72006)	(72019)	(72008)	(00095)	(00400)	(00010)
JUN 26...	1530	122MOCN	1028	5	8.00	67.20	140.00	22	5.6	21.0
DATE		COLOR (PLAT-INUM-COBALT UNITS) (00080)	CALCIUM DIS-SOLVED (MG/L) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L) (00925)	SODIUM, DIS-SOLVED (MG/L) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L) (00935)	ALKA-LINITY LAB AS (MG/L) (90410)	SULFATE DIS-SOLVED (MG/L) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L) (00950)
JUN 26...	5	1.5	0.50	1.9	1.3	5.8	0.20	2.8	<0.10	
DATE		SILICA, DIS-SOLVED (MG/L) (00955)	SOLIDS, RESIDUE AT 180 DEG. C (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L) (00608)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L) (00671)	IRON, DIS-SOLVED (UG/L) (01046)	MANGA-NESE, DIS-SOLVED (UG/L) (01056)
JUN 26...	14	16	26	<0.010	0.060	<0.010	<0.010	50	<10	

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

LEFLORE COUNTY

334715090190001 - B032 EQUEN & MCBEE

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)
AUG 27...	0930	112MRVA	1028	31	8.00	112.00	542
DATE	TEMPER- ATURE (DEG C) (00010)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)	
AUG 27...	18.0	279	5.8	325	<0.020	9.0	

333412090135201 - H105 PRUDENTIAL INSURANCE COMPANY

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)
AUG 27...	1130	112MRVA	1028	31	8.00	120.00	480
DATE	TEMPER- ATURE (DEG C) (00010)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)	
AUG 27...	18.0	251	3.6	280	<0.020	0.7	

332335090120001 - 0026 LEFLORE FLYING SERVICE

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)
AUG 27...	1410	112MRVA	1028	28	8.00	100.00	500
DATE	TEMPER- ATURE (DEG C) (00010)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)	
AUG 27...	21.0	264	3.5	283	<0.020	<0.3	

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

MARION COUNTY

311207089405401 - M061 HUB WATER ASSOCIATION

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)
			(00027)	(72005)	(72006)	(72019)	(72008)	(00095)	(00400)	(00010)
AUG 20...	1130	122CTHL	1028	1	8.00	246.20	1140.00	225	7.3	24.0
DATE		COLOR (PLAT-INUM-COBALT UNITS)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB AS CAC03	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)
		(00080)	(00915)	(00925)	(00930)	(00935)	(90410)	(00945)	(00940)	(00950)
AUG 20...	10		6.6	1.9	39	4.8	106	7.7	2.1	0.20
DATE		SILICA, DIS-SOLVED AS SIO2	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
		(00955)	(70300)	(70301)	(00613)	(00631)	(00608)	(00671)	(01046)	(01056)
AUG 20...	15		142	142	<0.010	<0.020	0.340	0.060	390	50

311207089405402 - M062 HUB WATER ASSOCIATION

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	
			(00027)	(72005)	(72006)	(72008)	(00400)	(00010)	(00080)	
AUG 30...	0830	122CTHL	66666	1	8.00	940.00	5.1	22.0	50	
DATE		CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB AS CAC03	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)
		(00915)	(00925)	(00930)	(00935)	(90410)	(00945)	(00940)	(00950)	(00955)
AUG 30...	1.8		0.60	2.8	2.6	8.0	3.5	2.3	<0.10	20
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	
		(70300)	(70301)	(00613)	(00631)	(00608)	(00671)	(01046)	(01056)	
AUG 30...			39	40	<0.010	0.050	0.060	0.010	870	40

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

MARION COUNTY--Continued

311207089405403 - M064 HUB WATER ASSOCIATION

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	
SEP 05...	1200	122HBRG	1028	227.00	390.00	100	5.8	21.0	5	
DATE		CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB AS CACO3 (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)
SEP 05...	8.0	1.4	8.2	3.0	34	7.6	3.1	0.10	52	
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	
SEP 05...		87	104	<0.010	<0.020	0.020	0.100	270	70	

NOXUBEE COUNTY

330547088430801 - L010 MASHULAVILLE WATER ASSOCIATION

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)
			SAMPLE (CODE NUMBER)		(72005)	(72006)	(72008)	(00095)	(00400)
SEP 20...	1030	211MSSV	1028	1	8.00	2090	940	7.8	32.0
DATE	COLOR (PLAT-INUM-COBALT UNITS)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB AS CACO3	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)
	(00080)	(00915)	(00925)	(00930)	(00935)	(90410)	(00945)	(00940)	(00950)
SEP 20...	5	18	2.4	180	3.6	141	<0.20	230	0.40
DATE	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	
	(00955)	(70300)	(00613)	(00631)	(00608)	(00671)	(01046)	(01056)	
SEP 20...	14		522	<0.010	<0.020	0.420	<0.010	90	40

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

PERRY COUNTY

311756088562901 - F026 GRACE DRILLING COMPANY

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)
			(00027)	(72005)	(72006)	(72019)	(72008)	(00095)	(00400)
AUG 06...	1410	122CTHL	1028	27	0.10	80.14	675.00	1990	7.7
DATE	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM COBALT UNITS)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
	(00010)	(00080)	(00915)	(00925)	(00930)	(00935)	(90410)	(00945)	(00940)
AUG 06...	23.0	5	28	3.2	380	4.2	156	80	470
DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
	(00950)	(00955)	(70300)	(70301)	(00613)	(00631)	(00671)	(01046)	(01056)
AUG 06...	0.20	11	1060	1070	<0.010	<0.020	0.030	20	20

QUITMAN COUNTY

341811090222201 - D016 CARR PLANTING COMPANY

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)
			(00027)	(72005)	(72006)	(72008)	(00095)
AUG 26...	1330	112MRVA	1028	31	8.00	110.00	454
DATE	TEMPER-ATURE (DEG C)	ALKA-LINITY LAB (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	TRITIUM TOTAL (PCI/L)	
	(00010)	(90410)	(00940)	(70300)	(00631)	(07000)	
AUG 26...	18.0	243	3.8	275	<0.020	<0.3	

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

QUITMAN COUNTY--Continued

341703090113301 - F016 NO OWNER NAME

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)
AUG 26...	1200	112MRVA	1028	31	8.00	120.00	334
DATE	TEMPER-ATURE (DEG C)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)	
AUG 26...	18.0	161	3.9	206	<0.020	2.0	

340314090184101 - L034 FRANK MELTON

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)
AUG 26...	1500	112MRVA	1028	31	8.00	110.00	549
DATE	TEMPER-ATURE (DEG C)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)	
AUG 26...	17.0	285	6.9	323	<0.020	<0.3	

SHARKEY COUNTY

325632090484601 - C051 SUNFLOWER FARMS

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	TEMPER-ATURE (DEG C)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)
AUG 29...	1040	112MRVA	1028	31	8.00	110.00	18.0	387	4.5	449	<0.020	1.4

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

SUNFLOWER COUNTY

334347090361501 - E063 MRS QUINN

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)
AUG 27...	1315	112MRVA	1028	31	8.00	120.00	357
DATE	TEMPER- ATURE (DEG C) (00010)	ALKA- LINIT LAB (MG/L AS CACO3) (90410)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)	
AUG 27...	17.0	170	3.1	201	<0.020	13	

332958090383001 - NO46 HIRAM HILL

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)
AUG 27...	1830	112MRVA	1028	31	8.00	113.00	527
DATE	TEMPER- ATURE (DEG C) (00010)	ALKA- LINIT LAB (MG/L AS CACO3) (90410)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)	
AUG 27...	18.5	257	6.5	287	<0.020	6.0	

TALLAHATCHIE COUNTY

340026090252601 - C030 B WILLIAMS

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)
AUG 26...	1600	112MRVA	1028	31	8.00	105.00	534
DATE	TEMPER- ATURE (DEG C) (00010)	ALKA- LINIT LAB (MG/L AS CACO3) (90410)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)	
AUG 26...	19.0	267	5.3	322	<0.020	0.6	

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

TALLAHATCHIE COUNTY--Continued

335609090190001 - J039 SMITH MURPHEY

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAM- PLING CONDI- TION (72005)	DEPTH OF WELL, TOTAL (FEET) (72006)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	
AUG 26...	1745	112MRVA	1028	31	8.00	126.00	433
		TEMPER- ATURE (DEG C) (00010)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)
AUG 26...	19.0	232	3.1	259	<0.020	3.5	

TUNICA COUNTY

344540090230801 - D029 JACK DAY PERRY

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAM- PLING CONDI- TION (72005)	DEPTH OF WELL, TOTAL (FEET) (72006)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	
AUG 26...	1000	112MRVA	1028	31	8.00	125.00	754
		TEMPER- ATURE (DEG C) (00010)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)
AUG 26...	17.0	413	2.5	421	<0.020	3.7	

342852090263501 - M012 ROGER JOHNSON

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAM- PLING CONDI- TION (72005)	DEPTH OF WELL, TOTAL (FEET) (72006)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)	
AUG 26...	1130	112MRVA	1028	31	8.00	110.00	445	218	3.0	260	<0.020	22

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

WASHINGTON COUNTY

332908090593101 - A025 CITY OF GREENVILLE

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
JUL 31...	1045	124CCKF	28003	31	8.00	565.00	392	22.0	50	17	257	0.020

332908090593102 - A026 CITY OF GREENVILLE

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
JUL 31...	1040	124CCKF	28003	31	8.00	570.00	396	20.5	50	14	235	<0.020

332820091031301 - A029 E C RHODES

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
JUL 17...	0815	124CCKF	28003	8	8.00	462.00	440	22.0	30	18	269	0.040

333020091003101 - A039 W H HAMMETT

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
JUL 17...	0920	124CCKF	28003	8	8.00	503.00	384	24.0	30	14	244	0.060

332850091034501 - A069 GOLDEN ACRES WATER ASSOCIATION

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
JUL 17...	0755	124CCKF	28003	31	8.00	575.00	444	22.5	30	19	274	0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

WASHINGTON COUNTY--Continued

332722091002701 - A107 METCALFE WATER ASSOCIATION

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JUL 17...	1024	124CCKF	28003	31	8.00	435.00	538	22.0	30	36	325	0.100

333118090582401 - A127 KEITH MITCHELL

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
AUG 27...	1635	112MRVA	1028	31	8.00	105.00	765					

DATE	TEMPER-ATURE WATER (DEG C)	ALKA-LINITY LAB (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	TRITIUM TOTAL (PCI/L)
AUG 27...	17.5	407	5.4	415	<0.020	4.8

332750090505401 - C009 RAY BROWN

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JUL 16...	0745	124CCKF	28003	8	8.00	500.00	732	21.0	40	33	460	<0.020

332456091025203 - D015 CITY OF GREENVILLE

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JUL 31...	0845	124CCKF	28003	31	8.00	527.00	518	21.5	60	36	309	<0.020

332410091033802 - D037 CITY OF GREENVILLE

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JUL 31...	0900	124CCKF	28003	31	8.00	525.00	617	22.0	50	47	366	<0.020

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

WASHINGTON COUNTY--Continued

332344091022101 - D038 CITY OF GREENVILLE

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JUL 31...	0945	124CCKF	28003	31	8.00	622.00	791	22.5	50	110	465	<0.020

332456091025204 - D047 CITY OF GREENVILLE

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JUL 31...	0820	124CCKF	28003	31	8.00	491.00	513	20.5	40	28	306	0.020

332456091025205 - D048 CITY OF GREENVILLE

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JUL 31...	0830	124CCKF	28003	31	8.00	507.00	486	21.5	50	31	292	<0.020

332402091033601 - D049 CITY OF GREENVILLE

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JUL 31...	0910	124CCKF	28003	31	8.00	581.00	669	22.0	70	61	391	<0.020

332127091032703 - D057 TENN GAS PIPELINE

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
AUG 12...	1505	124CCKF	28003	31	8.00	411.00	728	20.5	60	75	427	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

WASHINGTON COUNTY--Continued

332215091001801 - D059 MICHIGAN - WISCONSIN PIPELINE

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JUL 31...	1455	124CCKF	28003	31	8.00	492.00	566	22.0	70	39	341	<0.020

332215091001802 - D060 MICHIGAN - WISCONSIN PIPELINE

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JUL 31...	1445	124CCKF	28003	31	8.00	492.00	527	20.0	60	26	308	0.020

332453091002002 - D062 FARMERS INCORPORATED

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
AUG 12...	1320	124CCKF	28003		8.00	456.00	522	20.0	35	33	319	0.020

332215091044301 - D077 CITY OF GREENVILLE

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JUL 31...	0925	124CCKF	28003	31	8.00	475.00	792	21.0	60	83	464	<0.020

332227091001801 - D082 ELLIS RIVERS

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JUL 31...	1530	124CCKF	28003	27	8.00	460.00	516	25.0	40	22	312	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

WASHINGTON COUNTY--Continued

332137091041001 - D083 LEROY PERCY

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
AUG 12...	1535	124CCKF	28003	27	0.11	503.00	26.0	70	84	472	0.020

332633091022501 - D113 CITY OF GREENVILLE

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
JUL 31...	1120	124CCKF	28003	31	8.00	666.00	515	22.5	40	34	308	0.020

332549091012301 - D127 CITY OF GREENVILLE

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
JUL 31...	1020	124CCKF	28003	31	8.00	496.00	643	23.0	40	72	384	0.020

332435091013301 - D129 CITY OF GREENVILLE

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
JUL 31...	1005	124CCKF	28003	31	8.00	546.00	533	22.5	60	43	324	<0.020

332101091065702 - D156 PACIFIC RICE COMPANY

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
AUG 13...	0950	124CCKF	28003	31	8.00	436.00	1120	21.0	70	160	643	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

WASHINGTON COUNTY--Continued

332127090591601 - D193 CLEMENTS FARMS

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
AUG 27...	1400	124CCKF	28003	8	0.10	420.00	631	24.0	50	52	382	0.020

332410090541301 - E020 CITY OF LELAND

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JUL 16...	1155	124CCKF	28003	31	8.00	525.00	864	21.5	30	25	554	<0.020

332404090540401 - E028 LELAND OIL WORKS

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JUL 16...	1215	124CCKF	28003	31	8.00	515.00	722	21.5	60	50	433	<0.020

332540090543201 - E036 USDA STONEVILLE

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JUL 16...	0955	124CCKF	28003	31	8.00	495.00	488	21.5	70	23	308	<0.020

332435090542901 - E039 CITY OF LELAND

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DEPTH OF WELL, TOTAL (FEET)
JUL 16...	1115	124CCKF	28003	31	8.00	42.17	646.00

DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JUL 16...	773	21.5	90	75	450	<0.020

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

WASHINGTON COUNTY--Continued

332524090523901 - E041 ELIZABETH WATER ASSOCIATION

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JUL 16...	0920	124CCKF	28003	31	8.00	522.00	914	20.5	60	82	563	<0.020

332403090574001 - E107 RAY BORGER

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JUL 16...	1345	124CCKF	28003	8	8.00	445.00	549	23.5	30	31	297	<0.020

332532090545501 - E110 STONEVILLE SEED COMPANY

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DEPTH OF WELL, TOTAL (FEET)
JUL 16...	1240	124CCKF	28003	31	8.00	43.17	453.00

DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JUL 16...	470	21.5	60	22	277	<0.020

332621090533801 - E120 USDA STONEVILLE

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
AUG 28...	0900	124SPRT	28003	31	0.10	1080.00	1280	26.5	100	180	748	<0.020

332523090542901 - E122 MSU DELTA BRANCH

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
AUG 27...	1005	124SPRT	28003	31	8.00	1100.00	1960	26.5	100	380	1110	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

WASHINGTON COUNTY--Continued

332517090543701 - E144 MSU DELTA BRANCH

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)
JUL 16...	1035	124CCKF	28003	31	8.00	550.00	499	22.0	60	20	302	<0.020

332217090482701 - F011 DAN L SMYTHE

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)
JUL 15...	1615	124CCKF	28003	8	8.00	325.00	484	20.5	5	6.6	296	<0.020

332239090504901 - F019 ROBERT A WORD

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)
JUL 15...	1640	124CCKF	28003	8	8.00	400.00	553	22.5	100	15	346	<0.020

332438090505501 - F021 LOUIS FRATESI

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)
JUL 15...	1705	124CCKF	28003	8	8.00	532.00	701	21.0	100	41	423	<0.020

332639090513501 - F022 LEO FRANKEL

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)
JUL 16...	0855	124SPRT	28003	8	8.00	805.00	648	19.5	60	43	392	0.020

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

WASHINGTON COUNTY--Continued

331702091021001 - G021 BOBBY RIPPEE

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)
JUL 17...	1215	124CCKF	28003	8	8.00	389.00	1030	21.5	480	100	659	0.060

332042091020101 - G049 W D AUSTIN

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)
AUG 13...	1045	124CCKF	28003	27	0.11	540.00	1210	25.5	40	240	691	0.030

331804091081301 - G051 REFUGE PLANTATION

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)
AUG 13...	0845	124CCKF	28003	27	0.11	370.00	1210	25.5	60	220	694	<0.020

331912091022701 - G062 WASHINGTON COUNTY

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)
JUL 30...	1300	124CCKF	28003	8	8.00	470.00	1820	22.0	60	380	1010	0.040

331942091023701 - G066 SWIFTWATER WATER ASSOCIATION

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)
JUL 30...	1345	124CCKF	28003	27	8.00	460.00	2280	23.5	60	540	1340	0.050

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

WASHINGTON COUNTY--Continued

331937091051401 - G067 ERNEST WELLS

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JUL 30...	1435	124CCKF	28003	27	8.00	495.00	2610	21.5	40	600	1480	<0.020

332019091065203 - G075 ANDREW BELL

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
AUG 13...	0915	124CCKF	28003	8	8.00	480.00	1040	21.5	80	150	624	<0.020

332007091035101 - G077 W E TAYLOR

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JUL 30...	1415	124CCKF	28003	8	8.00	520.00	766	22.0	50	82	449	<0.020

331830091050101 - G084 R M GOODWIN

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JUL 30...	1500	124CCKF	28003	8	8.00	449.00	1630	23.0	20	340	914	<0.020

331630091020601 - G118 J H BURT

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JUL 17...	1250	124CCKF	28003	8	8.00	260.00	5	550	1430	<0.020

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

WASHINGTON COUNTY--Continued

331627090583801 - G140 POTTER FARMS

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JUL 17...	1320	124CCKF	28003	27	8.00	397.00	21.5	10	780	1690	<0.020

331825091022801 - G161 SWIFTWATER BAPTIST CHURCH

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
AUG 28...	1100	124CCKF	28003	8	0.10	396.00	1300	24.5	100	250	737	<0.020

331755091022301 - G164 WAYSIDE WATER ASSOCIATION

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JUL 30...	1110	124CCKF	28003	31	8.00	396.00	1210	20.5	140	220	699	<0.020

331951091065901 - G172 VLASIC FOODS INCORPORATED

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JUL 30...	1605	124CCKF	28003	31	8.00	508.00	1940	22.0	30	450	1080	0.020

332016091064901 - G190 CHIP NUNNERY

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
AUG 28...	1215	124CCKF	28003		2.00	420.00	24.0	10	440	1120	0.110

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

WASHINGTON COUNTY--Continued

331940090582301 - G198 SWIFTWATER WATER ASSOCIATION

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
JUL 30...	1355	124CCKF	28003	31	8.00	430.00	692	20.0	80	76	409	<0.020

331816091044501 - G249 BILLY BURTON

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
AUG 28...	1215	124CCKF	28003	27	0.10	400.00	1260	27.5	60	240	768	<0.020

331951091005501 - G250 LAMAR STONE

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
JUL 17...	1510	124CCKF	28003	8	8.00	482.00	2420	22.5	100	640	1540	<0.020

331748091080601 - G251 OLIVIA SPRAGGINS

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
AUG 27...	1500	124CCKF	28003	8	2.00	380.00	1120	25.0	35	190	622	<0.020

331937091004601 - G252 HOMEWOOD FARMS

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
JUL 17...	1440	124CCKF	28003	27	8.00	440.00	60	140	565	<0.020

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

WASHINGTON COUNTY--Continued

331754091021501 - G253 BILL SCHULTZ

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
AUG 28...	1130	124CCKF	28003	27	0.10	480.00	2260	22.0	100	500	1300	<0.020

332035091010201 - G254 MULLINS

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
JUL 17...	1530	124CCKF	28003	27	8.00	420.00	40	310	847	<0.020

331856090581901 - G256 LEROY WRIGHT

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
AUG 27...	1300	124CCKF	28003	27	0.10	452.00	1170	23.5	20	230	656	<0.020

331959090540501 - H028 J E & I BENNETT

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	DEPTH OF WELL, TOTAL (FEET) (72008)
JUL 16...	1440	124CCKF	28003	27	8.00	30.42	445.00

DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
JUL 16...	24.5	160	250	931	0.040	

331830090575702 - H049 FREEDOM VILLAGE

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
JUL 16...	1535	124CCKF	28003	44	8.00	450.00	1890	23.5	30	420	1060	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

WASHINGTON COUNTY--Continued

332040090552901 - H053 GENE DENNIS

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	DEPTH OF WELL, TOTAL (FEET)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JUL 16...	1415	124CCKF	28003	27	8.00	30.08	482.00	20.0	180	340	1110	<0.020

331645090554401 - H055 SOL HENRY

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JUL 16...	1605	124CCKF	28003	31	8.00	514.00	1200	21.5	80	120	742	<0.020

331945090563501 - H061 W C DENNIS

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JUL 16...	1510	124CCKF	28003	8	8.00	450.00	805	21.5	80	97	464	<0.020

331656090574101 - H151 BALLARD FARMS

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
AUG 27...	1135	124CCKF	28003	8	2.00	470.00	1600	21.5	120	240	947	<0.020

331708090562801 - H152 POTTER FARMS

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
AUG 27...	1200	124CCKF	28003	27	2.00	400.00	1440	21.5	100	200	853	<0.020

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

WASHINGTON COUNTY--Continued

331755090555801 - H153 BOATWRIGHT

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
AUG 27...	1215	124CCKF	28003	8	2.00	400.00	1060	20.5	100	180	622	<0.020

331755090571601 - H154 AQUA FARMS

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
AUG 27...	1230	124CCKF	28003	8	2.00	540.00	3250	25.0	30	940	1830	<0.020

332111090475701 - J011 JOHN DEAN

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JUL 15...	1555	124SPRT	28003	27	8.00	1147.00	1060	21.0	70	74	641	0.030

331938090474401 - J014 DEANDALE PLANTING COMPANY

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JUL 15...	1455	124CCKF	28003	8	8.00	398.00	625	21.0	70	24	383	0.020

332020090465101 - J017 CLINTON MITCHELL

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DEPTH OF WELL, TOTAL (FEET)
JUL 15...	1535	124CCKF	28003	8	8.00	18.45	400.00

DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JUL 15...	565	22.5	20	8.0	354	0.090

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

WASHINGTON COUNTY--Continued

332012090505701 - J050 MIKE PAYNE

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAM- PLING CONDI- TION (72005)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	
AUG 28...	0830	112MRVA	1028	31	8.00	108.00	566

DATE	TEMPER- ATURE WATER (DEG C) (00010)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)
AUG 28...	18.5	258	2.8	330	0.030	21

331351091024101 - K015 RIVERSIDE WATER ASSOCIATION

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAM- PLING CONDI- TION (72005)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	
JUL 30...	1045	124SPRT	28003	31	8.00	1164.00	1520	26.5	120	230	930	0.020

331208091031201 - K018 JAMES BAPTIST CHURCH

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAM- PLING CONDI- TION (72005)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
JUL 11...	1245	124CCKF	28003	8	8.00	32.41	305.00				

DATE	TEMPER- ATURE WATER (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
JUL 11...	1220	22.0	120	110	728	<0.020

331058091023601 - K030 MARVIN JINNINGS

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAM- PLING CONDI- TION (72005)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	
JUL 11...	1200	124SPRT	28003	8	8.00	404.00	1150	24.0	100	96	690	<0.020

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

WASHINGTON COUNTY--Continued

331229091033401 - K049 MURRY ALEXANDER

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
JUL 11...	1340	124CCKF	28003	8	8.00	320.00	2380	30	520	1260	<0.020

331605091013701 - K060 WAYSIDE WATER ASSOCIATION

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
AUG 27...	1050	124CCKF	28003	27	2.00	440.00	1980	24.0	320	400	1150	0.040

331317090585001 - K067 NO OWNERS NAME

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)
AUG 28...	1045	112MRVA		1028	31	8.00	110.00	681					
AUG 28...	18.5	343		9.1	379	<0.020	0.5						

331607090584201 - K092 BURNS AVIATION

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
JUL 17...	1340	124CCKF	28003	8	8.00	440.00	2740	21.5	5	660	1510	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

WASHINGTON COUNTY--Continued

331248090514901 - L030 W D ATTERBERRY

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE	SAM- PLING CONDI- TION	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
JUL 15...	1235	124CCKF	28003	27	8.00	580.00	475	30.0	5	5.6	281	<0.020

331251090522001 - L031 W G BOLAND

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE	SAM- PLING CONDI- TION	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
JUL 15...	1155	124CCKF	28003	8	8.00	548.00	1530	24.0	5	260	907	<0.020

331317090522701 - L050 ALDRIDGE BROS

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE	SAM- PLING CONDI- TION	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
JUL 11...	1530	124SPRT	28003	8	8.00	1200.00	745	27.5	80	15	482	<0.020

331500090572001 - L067 EARL WILSON

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE	SAM- PLING CONDI- TION	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
JUL 11...	1545	124CCKF	28003	8	8.00	459.00	1230	23.0	5	170	693	<0.020

331619090522203 - L070 TOWN OF ARCOLA

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE	SAM- PLING CONDI- TION	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
JUL 11...	1500	124SPRT	28003	27	8.00	976.00	700	26.5	60	16	476	<0.020
15...	1410	124SPRT	28003	31	8.00	976.00	740	23.0	70	19	471	<0.020

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

WASHINGTON COUNTY--Continued

331608090570701 - L119 DAVE ADAMS

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
AUG 27...	1115	124CCKF	28003	8	2.00	472.00	1640	22.0	100	290	945	<0.020

331319090572701 - L120 DRIFTWOOD FARMS II

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
JUL 11...	1515	124CCKF	28003	27	8.00	420.00	2230	21.5	20	520	1260	<0.020

331130090462101 - M050 WILLARD ROSS

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
JUL 11...	1230	124CCKF	28003	8	8.00	440.00	543	23.5	80	8.2	356	<0.020

331108090510902 - M062 TOWN OF HOLLANDALE

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
JUL 11...	124CCKF	28003	27	8.00	492.00	551	21.0	30	9.6	369	0.020	

330613091023401 - N029 WILLIAM SHUTT

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
JUL 10...	1625	124SPRT	28003	8	8.00	835.00	1160	24.5	100	100	683	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

WASHINGTON COUNTY--Continued

330845091034302 - N035 MEL RICH

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAM- PLING CONDI- TION (72005)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	DEPTH OF WELL, TOTAL (FEET) (72008)
JUL 10...	1705	124SPRT	28003	8	8.00	43.85 815.00

DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) (00631)
JUL 10...	1230	25.5	100	110	706	<0.020

330845091011701 - N083 US NAVY SILVER LAKE STATION

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAM- PLING CONDI- TION (72005)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) (00631)
JUL 11...	1010	124SPRT	28003	8	8.00	720.00	1110	100	76	675 <0.020

330701090515302 - 0018 E G GANIER

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAM- PLING CONDI- TION (72005)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) (00631)
JUL 11...	1000	124SPRT	28003	8	8.00	800.00	760	25.0	80	18	468 0.030

330956090560801 - 0035 LEROY PERCY STATE PARK

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAM- PLING CONDI- TION (72005)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	DEPTH OF WELL, TOTAL (FEET) (72008)
JUL 11...	1115	124CCKF	28003	1	8.00	21.04 780.00

DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) (00631)
JUL 11...	1140	21.0	80	140	743	<0.020

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

WASHINGTON COUNTY--Continued

330606090561401 - 0064 RUSTY WILLIS

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	ALKA-LINITY LAB (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	TRITIUM TOTAL (PCI/L)
AUG 28...	1250	112MRVA	1028	8.00	100.00	841	18.0	379	10	487	<0.020	<0.3

331026090470701 - P080 BILLY R HARRIS

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	ALKA-LINITY LAB (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	TRITIUM TOTAL (PCI/L)
AUG 28...	1340	112MRVA	1028	31	8.00	130.00	990					
AUG 28...				18.5	448	7.4	587	<0.020	8.3			

330701090414701 - Q035 TORRY WOOD

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	
JUL 11...	1120	124SPRT	28003	8	8.00	966.00	371	25.5	20	2.4	239	0.140

330248091043601 - R032 STYLON PROCTOR

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JUL 10...	1430	124SPRT	28003	26	8.00	46.82	830.00				
JUL 10...	1100			24.0	80	80	653	<0.020			

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

WASHINGTON COUNTY--Continued

330505091052001 - R045 LAKE JACKSON WATER ASSOCIATION

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	DEPTH OF WELL, TOTAL (FEET) (72008)
JUL 10...	1530	124SPRT	28003	26	8.00	45.81	623.00
DATE		SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
JUL 10...	1150		24.0	100	90	674	<0.020

330133091014302 - S060 GLEN ALLEN WATER ASSOCIATION

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	DEPTH OF WELL, TOTAL (FEET) (72008)
JUL 10...	1335	124SPRT	28003	1	8.00	42.25	1006.00
DATE		SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
JUL 10...	1420		28.0	100	160	820	<0.020

330040090570101 - S125 W C WOODRUFF

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
JUL 10...	1130	112MRVA	28003	5	8.00	110.00	500	19.0	5	5.7	289	<0.020

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

YAZOO COUNTY

325838090210901 - A058 EDEN FISHERIES

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)
AUG 28...	0850	112MRVA	1028	31	8.00	105.00	624
DATE	TEMPER-ATURE (DEG C)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)	
AUG 28...	19.0	283	11	361	<0.020	7.2	

325436090230902 - G002 MISSISSIPPI CHEMICAL CORPORATION

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)
AUG 28...	1010	112MRVA	1028	27	8.00	158.00	547
DATE	TEMPER-ATURE (DEG C)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)	
AUG 28...	19.5	272	5.8	317	<0.020	17	

324232090325001 - Q023 J J PEASTER

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (US/CM)
AUG 28...	1230	112MRVA	1028	31	8.00	96.00	675
DATE	TEMPER-ATURE (DEG C)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)	
AUG 28...	19.0	336	11	405	<0.020	30	

QUALITY OF PRECIPITATION

Precipitation-quality stations are operated to provide data to concerned agencies pertaining to variations in precipitation chemistry in selected areas of Mississippi. The types of data obtained may be used for precipitation quality assessments. Samples are collected weekly on Tuesday and the analytical data are the result of a composite precipitation analysis. An automatic wet-dry precipitation collector is used to collect 7-day accumulations.

PRECIPITATION QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

HANCOCK COUNTY

PRECIPITATION QUALITY STATION AT NSTL, MS

LOCATION.--Lat 30°21'55", long 89°37'45", in NW4SW4NW4 sec.8, T.8 S., R.16 W., St. Stephens Meridian, Hancock County, Hydrologic Unit 03180004, at the U.S. Geological Survey Hydrologic Instrumentation Facility located at Stennis Space Center.

PERIOD OF RECORD.--Water years 1983 to current year.

INSTRUMENTATION.--Automatic sensing wet-dry precipitation collector and universal recording rain gage since October 1983.

REMARKS.--Sample preparation and field measurements by local observer.

DATE	TOTAL PRECIP- ITATION FOR DEFINED PERIOD (IN) (00193)	SPEC. CONDUCT- TANCE LAB ATM DEP WET TOT (US/CM) (83156)	PH LAB ATM DEP WET T (UNITS) (83107)	DATE	TOTAL PRECIP- ITATION FOR DEFINED PERIOD (IN) (00193)	SPEC. CONDUCT- TANCE LAB ATM DEP WET TOT (US/CM) (83156)	PH LAB ATM DEP WET T (UNITS) (83107)
OCT 01-02	0.00	--	--	MAR 26- APR 02	0.05	--	--
02-09	0.44	12	4.60	02-09	2.30	11	5.10
09-16	0.00	--	--	09-16	3.38	6.3	5.10
16-23	1.14	17	4.50	16-23	2.37	14	4.70
23-30	0.00	--	--	23-30	7.95	9.8	5.60
OCT 30- NOV 06	0.23	17	4.60	APR 30- MAY 07	1.48	13	5.00
06-13	1.55	6.0	5.00	07-14	5.00	8.1	5.00
13-20	0.00	--	--	14-21	3.98	--	--
20-27	0.15	30	4.30	21-28	2.36	--	--
NOV 27- DEC 04	5.63	18	4.70	MAY 28- JUN 04	0.77	21	4.40
04-11	0.06	--	--	04-11	2.00	22	4.40
11-18	0.00	--	--	11-18	0.18	22	4.60
18-26	0.83	24	4.70	18-25	0.67	16	4.60
DEC 26- JAN 1991				JUN 25- JUL 02	1.95	40	4.10
-02	0.65	18	4.60	02-09	4.25	6.8	4.90
02-08	5.70	8.1	4.90	09-16	0.43	19	4.50
08-15	4.15	7.0	4.90	16-23	0.10	--	--
15-22	0.85	17	4.50	23-30	0.42	16	4.50
22-29	4.70	6.1	4.90	JUL 30- AUG 06	0.25	33	4.20
JAN 29- FEB 05	2.30	10	4.90	06-13	1.00	46	4.00
05-11	0.73	9.6	5.20	13-20	0.55	21	4.40
11-19	0.04	--	--	20-27	1.05	5.1	5.10
19-26	2.55	13	5.00	AUG 27- SEP 03	3.55	7.8	4.90
FEB 26- MAR 05	5.30	4.7	5.30	03-10	1.72	10	4.70
05-12	0.0	--	--	10-17	0.01	--	--
12-19	1.95	14	5.00	17-24	1.35	48	4.00
19-26	0.03	--	--	24-30	0.95	12	4.70

PRECIPITATION QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

HANCOCK COUNTY--Continued

PRECIPITATION QUALITY STATION AT NSTL, MS--Continued

DATE	CALCIUM ATM DEP WET DIS (MG/L) (82932)	MAG- NESIUM ATM DEP WET DIS (MG/L) (83002)	SODIUM ATM DEP WET DIS (MG/L) (83138)	POTAS- SIUM ATM DEP WET DIS (MG/L) (83120)	SULFATE ATM DEP AS SO4 (MG/L) (83160)	CHLO- RIDE ATM DEP WET DIS (MG/L) (82944)	NI- TROGEN NITRATE ATM DEP WET DIS AS N (MG/L) (83068)	NI- TROGEN AMMON. ATM DEP WET DIS AS N (MG/L) (83044)
OCT								
02-09	0.060	0.040	0.270	0.070	0.76	0.51	0.15	0.040
OCT								
16-23	0.080	0.030	0.170	0.030	1.40	0.38	0.18	0.070
OCT 30-								
NOV 06	0.140	0.070	0.530	0.080	1.40	0.90	0.19	0.110
NOV								
06-13	0.100	0.020	0.160	0.030	0.55	0.35	0.04	0.040
NOV								
20-27	0.150	0.050	0.340	0.190	2.60	0.71	0.54	0.370
NOV 27-								
DEC 04	0.140	0.140	1.20	0.070	1.10	2.10	0.15	0.050
DEC								
18-26	0.210	0.200	1.80	0.150	0.88	3.10	0.21	0.120
DEC 26-								
JAN 02	0.180	0.070	0.530	0.070	1.60	1.00	0.16	0.100
JAN								
02-08	0.120	0.030	0.250	0.030	0.66	0.50	0.09	0.030
JAN								
08-15	0.090	0.020	0.180	0.020	0.56	0.22	0.08	0.020
JAN								
15-22	0.140	0.040	0.270	0.030	1.50	0.48	0.12	0.050
JAN								
22-29	0.100	0.010	0.030	0.020	0.58	0.19	0.06	0.030
JAN 29-								
FEB 05	0.200	0.050	0.340	0.040	0.97	0.58	0.12	0.100
FEB								
05-11	0.160	0.100	0.800	0.050	0.51	1.30	0.11	0.030
FEB								
19-26	0.150	0.100	0.900	0.060	0.83	1.50	0.12	0.070
FEB 26-								
MAR 05	0.190	0.020	0.100	0.020	0.51	0.18	0.07	0.040
MAR								
12-19	0.490	0.140	0.800	0.220	1.80	1.20	0.19	0.170
APR								
02-09	0.160	0.070	0.530	0.080	0.94	0.90	0.24	0.210
APR								
09-16	0.090	0.040	0.240	0.040	0.52	0.39	0.12	0.100
APR								
16-23	0.120	0.040	0.280	0.060	1.20	0.60	0.28	0.250
APR								
23-30	0.180	0.050	0.430	0.110	1.00	0.72	0.19	0.480
APR 30-								
MAY 07	0.180	0.050	0.450	0.090	1.40	0.88	0.27	0.430
MAY								
07-14	0.080	0.030	0.270	0.030	0.66	0.46	0.12	0.100
MAY								
14-21	0.030	0.020	0.190	0.020	--	--	--	--
MAY								
21-28	0.030	0.020	0.170	0.020	--	--	--	--
MAY 28-								
JUN 04	0.180	0.040	0.290	0.040	1.60	0.48	0.43	0.190
JUN								
04-11	0.080	0.060	0.520	0.060	0.26	0.86	1.60	0.110
JUN								
11-18	0.110	0.080	0.900	0.320	1.30	1.30	0.45	0.230
JUN								
18-25	0.370	0.060	0.260	0.050	1.10	0.50	0.41	0.110
JUN 25-								
JUL 02	0.100	0.010	0.070	0.020	3.30	0.28	0.49	0.200
JUL								
02-09	0.040	0.010	0.070	0.010	0.43	0.14	0.12	0.030
JUL								
09-16	0.210	0.040	0.210	0.050	1.30	0.32	0.41	0.110
JUL								
23-30	0.150	0.020	0.130	0.040	1.10	0.19	0.25	0.040
JUL 30-								
AUG 06	0.150	0.020	0.100	0.030	2.60	0.25	0.48	0.210
AUG								
06-13	0.080	0.020	0.190	0.060	3.50	0.54	0.47	0.100
AUG								
13-20	0.120	0.030	0.190	0.040	1.50	0.28	0.28	0.070
AUG								
20-27	0.030	0.020	0.150	0.020	<0.20	0.22	0.09	0.010
AUG 27-								
SEP 03	0.050	0.040	0.290	0.030	0.46	0.41	0.09	0.020
SEP								
03-10	0.030	0.010	0.100	0.010	0.54	0.25	0.10	0.010
SEP								
17-24	0.070	0.010	0.060	0.020	4.20	0.10	0.42	0.240
SEP								
24-30	0.050	0.020	0.130	0.060	0.98	0.16	0.16	0.120

QUALITY OF PRECIPITATION

PRECIPITATION QUALITY DATA, APRIL TO SEPTEMBER 1991

HANCOCK COUNTY--Continued

PRECIPITATION QUALITY STATION AT KILN, MS

LOCATION.--Lat 30°22'28", long 89°26'46", in SW4NE4SE4 sec.1, T.8 S., R.15 W., St. Stephens Meridian, Hancock County, Hydrologic Unit 03170009, at Hancock County High School at Stennis International Airport.

PERIOD OF RECORD.--April to September 1991.

INSTRUMENTATION.--Automatic sensing wet-dry precipitation collector and universal recording rain gage since April 1991.

REMARKS.--Sample preparation and field measurements by local observer.

DATE	TOTAL PRECIP- ITATION FOR DEFINED PERIOD (IN) (00193)	SPEC. CONduc- TANCE LAB ATM DEP WET TOT (US/CM) (83156)	PH LAB ATM DEP WET T (UNITS) (83107)	DATE	TOTAL PRECIP- ITATION FOR DEFINED PERIOD (IN) (00193)	SPEC. CONduc- TANCE LAB ATM DEP WET TOT (US/CM) (83156)	PH LAB ATM DEP WET T (UNITS) (83107)
APR				JUN 25-			
02-09	4.07	8.8	5.30	JUL 02	2.71	34.0	4.20
09-16	3.07	8.9	5.00	02-09	2.30	5.9	5.00
16-23	2.65	18.8	4.50	09-16	0.43	38.0	4.10
23-30	6.35	13.2	5.60	16-23	0.35	70.3	3.80
APR 30-				23-30	0.40	36.4	4.20
MAY 07	0.43	20.5	5.30	JUL 30-			
07-14	7.12	8.8	5.00	AUG 06	0.29	33.0	4.20
14-21	4.80	--	--	06-13	0.0	--	--
21-28	3.70	--	--	13-20	0.06	--	--
MAY 28-				20-27	1.50	13.0	4.70
JUN 04	0.55	17.1	4.60	AUG 27-			
04-11	2.50	15.4	4.60	SEP 03	3.50	8.4	4.90
11-18	0.89	20.5	4.50	03-10	0.27	26.8	4.30
18-25	0.56	32.4	4.20	10-17	0.0	--	--
				17-24	0.13	--	--
				24-30	1.20	13.2	4.60

PRECIPITATION QUALITY DATA, APRIL TO SEPTEMBER 1991

HANCOCK COUNTY--Continued

PRECIPITATION QUALITY STATION AT KILN, MS--Continued

DATE	CALCIUM	MAG-	SODIUM	POTAS-	SULFATE	CHLO-	NI-	NI-
	ATM DEP WET DIS (MG/L) (82932)	NESIUM ATM DEP WET DIS (MG/L) (83002)	ATM DEP WET DIS (MG/L) (83138)	SIUM ATM DEP WET DIS (MG/L) (83120)	ATM DEP WET DIS AS SO4 (MG/L) (83160)	RIDE ATM DEP WET DIS (MG/L) (82944)	NITRATE ATM DEP AS N (MG/L) (83068)	TROGEN AMMON. ATM DEP AS N (MG/L) (83044)
APR								
02-09	0.170	0.070	0.500	0.060	0.77	0.88	0.16	0.180
APR								
09-16	0.120	0.050	0.400	0.060	0.70	0.70	0.15	0.120
APR								
16-23	0.110	0.040	0.280	0.060	1.60	0.54	0.29	0.210
APR								
23-30	0.210	0.090	0.730	0.140	1.40	1.30	0.23	0.500
APR 30-								
MAY 07	0.350	0.110	0.900	0.180	2.30	1.50	0.52	0.880
MAY								
07-14	0.080	0.040	0.400	0.040	0.69	0.69	0.13	0.110
MAY								
14-21	0.030	0.020	0.250	0.070	--	--	--	--
MAY								
21-28	0.030	0.020	0.200	0.020	--	--	--	--
MAY 28-								
JUN 04	0.140	0.070	0.600	0.070	1.20	0.96	0.30	0.100
JUN								
04-11	0.060	0.040	0.390	0.080	0.17	0.60	1.20	0.070
JUN								
11-18	0.070	0.040	0.360	0.050	0.37	0.64	1.40	0.190
JUN								
18-25	0.240	0.040	0.240	0.050	1.80	0.78	0.66	0.210
JUN 25-								
JUL 02	0.070	0.010	0.070	0.010	2.60	0.34	0.37	0.110
JUL								
02-09	0.050	0.020	0.110	0.010	0.32	0.25	0.11	0.030
JUL								
09-16	0.160	0.020	0.130	0.050	3.50	0.30	0.45	0.300
JUL								
16-23	0.200	0.030	0.110	0.050	6.10	0.48	0.80	0.350
JUL								
23-30	0.370	0.060	0.320	0.070	3.20	0.49	0.66	0.240
JUL 30-								
AUG 06	0.090	0.020	0.130	0.030	2.40	0.34	0.47	0.170
AUG								
20-27	0.050	0.050	0.390	0.040	0.95	0.58	0.11	0.060
AUG 27-								
SEP 03	0.060	0.040	0.310	0.040	0.47	0.46	0.10	0.020
SEP								
03-10	0.090	0.070	0.540	0.070	1.80	0.91	0.30	0.080
SEP								
24-30	0.060	0.020	0.180	0.030	0.93	0.26	0.16	0.060

QUALITY OF PRECIPITATION

PRECIPITATION QUALITY DATA, JANUARY TO APRIL 1991

PEARL RIVER COUNTY

PRECIPITATION QUALITY STATION AT NICHOLSON, MS

LOCATION.--Lat 30°28'43", long 89°41'31", in sec.39, T.6 N., R.17 W., St. Stephens Meridian, Pearl River County, Hydrologic Unit 03180004, at Nicholson School, on State Highway 607, 0.7 mi north of Interstate 59.

PERIOD OF RECORD.--January to April 1991.

INSTRUMENTATION.--Automatic sensing wet-dry precipitation collector and universal recording rain gage from January to April 1991.

REMARKS.--Sample preparation and field measurements by local observer.

DATE	TOTAL PRECIP- ITATION FOR DEFINED PERIOD (IN) (00193)	SPEC. CONduc- TANCE LAB ATM DEP WET TOT (US/CM) (83156)	PH LAB ATM DEP WET T (UNITS) (83107)	DATE	TOTAL PRECIP- ITATION FOR DEFINED PERIOD (IN) (00193)	SPEC. CONduc- TANCE LAB ATM DEP WET TOT (US/CM) (83156)	PH LAB ATM DEP WET T (UNITS) (83107)
JAN				FEB 26-			
08-15	3.40	6.8	5.00	MAR 05	3.20	6.3	5.20
15-22	0.85	15	4.60	05-12	0.00	--	--
22-29	4.05	6.5	4.90	12-19	2.08	19	4.50
JAN 29-				19-26	0.00	--	--
FEB 05	2.65	12	4.90	MAR 26-			
05-11	0.00	--	--	APR 02	0.19	13	5.90
11-19	0.06	--	--				
19-26	3.25	9.5	4.90				

PRECIPITATION QUALITY DATA, JANUARY TO APRIL 1991

PEARL RIVER COUNTY--Continued

PRECIPITATION QUALITY STATION AT NICHOLSON, MS--Continued

DATE	CALCIUM	MAG-	SODIUM	POTAS-	SULFATE	CHLO-	NI-	NI-
	ATM DEP	NESIUM	ATM DEP	SIUM	ATM DEP	RIDE	TROGEN	TROGEN
	WET DIS	ATM DEP	WET DIS	ATM DEP	WET DIS	ATM DEP	WET DIS	WET DIS
	(MG/L) (82932)	(MG/L) (83002)	(MG/L) (83138)	(MG/L) (83120)	(MG/L) (83160)	(MG/L) (82944)	(MG/L) (83068)	(MG/L) (83044)
JAN								
08-15	0.110	0.020	0.180	0.020	0.52	0.29	0.09	0.030
JAN								
15-22	0.130	0.020	0.210	0.020	1.40	0.38	0.11	0.050
JAN								
22-29	0.110	0.010	0.030	0.020	0.62	0.17	0.06	0.030
JAN 29-								
FEB 05	0.200	0.080	0.620	0.050	0.95	1.00	0.14	0.090
FEB								
19-26	0.120	0.050	0.450	0.040	0.74	0.72	0.08	0.060
FEB 26-								
MAR 05	0.270	0.030	0.150	0.040	0.73	0.24	0.10	0.080
MAR								
12-19	0.180	0.050	0.350	0.050	2.00	0.66	0.17	0.120
MAR 26-								
APR 02	0.480	0.120	0.970	0.200	1.60	1.60	0.16	0.300

QUALITY OF PRECIPITATION

PRECIPITATION QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

PERRY COUNTY

PRECIPITATION QUALITY STATION NEAR JANICE, MS

LOCATION.--Lat 31°01'52", long 88°59'09", in NW1/4 sec.22, T.1 N., R.10 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170007, at the U.S. Forest Service Erambert Seed Orchard, on State Highway 29, 3.4 mi east of Janice.

PERIOD OF RECORD.--Water years 1982 to current year.

INSTRUMENTATION.--Automatic sensing wet-dry precipitation collector and universal recording rain gage since February 1982.

REMARKS.--Sample preparation and field measurements by local observer.

DATE	TOTAL PRECIP- ITATION FOR DEFINED PERIOD (IN) (00193)	SPEC. CONDUCTANCE LAB ATM DEP WET TOT (US/CM) (83156)	PH LAB ATM DEP WET T (UNITS) (83107)	DATE	TOTAL PRECIP- ITATION FOR DEFINED PERIOD (IN) (00193)	SPEC. CONDUCTANCE LAB ATM DEP WET TOT (US/CM) (83156)	PH LAB ATM DEP WET T (UNITS) (83107)
OCT 01-02	0.00	--	--	MAR 26- APR 02	2.35	9.8	5.20
02-09	--	22	4.30	02-09	0.95	18	4.70
09-16	0.00	--	--	09-16	2.40	8.5	5.00
16-23	0.60	17	6.80	16-23	1.01	11	4.70
23-30	0.00	--	--	23-30	4.30	12	5.50
OCT 30- NOV 06	0.50	8.2	5.00	APR 30- MAY 07	3.75	12	5.00
06-13	2.10	12	4.60	07-14	3.40	11	4.80
13-20	0.00	--	--	14-21	3.40	7.2	4.90
20-27	0.15	20	4.40	21-28	5.40	5.4	--
NOV 27- DEC 04	2.30	6.3	5.00	MAY 28- JUN 04	0.45	20	4.40
04-11	0.00	--	--	04-11	2.87	14	4.60
11-18	0.00	--	--	11-18	1.15	14	4.60
18-26	1.45	27	4.50	18-25	0.90	22	4.50
DEC 26- JAN 1991				JUN 25- JUL 02	0.31	--	--
-01	0.23	26	4.40	02-09	4.50	7.7	5.30
01-08	3.20	16	4.60	09-16	0.00	--	--
08-15	3.25	5.6	5.20	16-23	0.07	--	--
15-22	1.18	6.6	5.30	23-30	0.33	--	--
22-29	2.15	12	6.50	JUL 30- AUG 06	1.40	32	4.20
JAN 29- FEB 05	1.93	18	6.30	06-13	0.40	--	--
05-12	0.98	10	6.30	13-20	0.00	--	--
12-19	0.27	19	4.80	20-27	0.55	--	--
19-26	2.85	12	4.80	AUG 27- SEP 03	1.10	16	4.50
FEB 26- MAR 05	5.75	4.8	5.30	03-11	0.00	--	--
05-12	0.00	--	--	11-17	0.15	--	--
12-19	1.32	13	5.80	17-24	0.65	49	4.00
19-26	0.00	--	--	24-30	2.22	6.3	5.60

PRECIPITATION QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

PERRY COUNTY--Continued

PRECIPITATION QUALITY STATION NEAR JANICE, MS--Continued

DATE	CALCIUM	MAG-	SODIUM	POTAS-	SULFATE	CHLO-	NI-	NI-
	ATM DEP WET DIS (MG/L) (82932)	NESIUM ATM DEP WET DIS (MG/L) (83002)	ATM DEP WET DIS (MG/L) (83138)	SIUM ATM DEP WET DIS (MG/L) (83120)	ATM DEP WET DIS AS SO4 (MG/L) (83160)	RIDE ATM DEP WET DIS (MG/L) (82944)	TROGEN NITRATE ATM DEP WET DIS AS N (MG/L) (83068)	TROGEN AMMON. ATM DEP WET DIS AS N (MG/L) (83044)
OCT								
02-09	0.050	0.050	0.330	0.100	2.00	0.59	0.15	0.070
OCT								
16-23	0.130	0.090	0.240	0.950	0.91	0.60	0.14	0.920
OCT 30-								
NOV 06	0.100	0.040	0.340	0.520	0.73	0.60	0.08	0.040
NOV								
06-13	0.090	0.020	0.160	0.260	1.10	0.32	0.11	0.060
NOV								
20-27	0.130	0.040	0.350	0.100	1.50	0.68	0.26	0.080
NOV 27-								
DEC 04	0.090	0.020	0.170	0.030	0.45	0.39	0.07	0.020
DEC								
18-26	0.190	0.180	1.60	0.150	2.00	2.70	0.16	0.060
DEC 26-								
JAN 01	0.160	0.110	0.940	0.090	2.20	1.60	0.22	0.100
JAN								
01-08	0.090	0.040	0.240	0.150	1.50	0.54	0.14	0.130
JAN								
08-15	0.090	0.020	0.140	0.110	0.63	0.25	0.08	0.140
JAN								
15-22	0.130	0.030	0.090	0.160	0.86	0.16	0.10	0.200
JAN								
22-29	0.160	0.040	0.150	0.340	0.90	0.33	0.05	0.780
JAN 29-								
FEB 05	--	--	0.340	0.590	1.20	0.45	0.09	1.10
FEB								
05-12	--	--	0.530	0.290	0.94	0.85	0.09	0.440
FEB								
12-19	0.360	0.090	0.710	0.130	1.90	1.10	0.30	0.320
FEB								
19-26	0.130	0.070	0.570	0.060	0.90	0.93	0.08	0.030
FEB 26-								
MAR 05	0.140	0.020	0.070	0.050	0.54	0.12	0.06	0.080
MAR								
12-19	0.400	0.120	0.690	0.240	1.60	1.10	0.20	0.450
MAR 26-								
APR 02	0.280	0.090	0.610	0.200	0.94	1.00	0.10	0.110
APR								
02-09	0.190	0.100	0.910	0.100	1.70	1.40	0.25	0.190
APR								
09-16	0.100	0.050	0.370	0.060	0.58	0.60	0.13	0.080
APR								
16-23	0.130	0.030	0.190	0.080	1.00	0.34	0.21	0.100
APR								
23-30	0.200	0.070	0.550	0.130	1.40	1.10	0.24	0.440
APR 30-								
MAY 07	0.150	0.030	0.270	0.080	1.30	0.40	0.26	0.380
MAY								
07-14	0.090	0.040	0.340	0.060	0.93	0.50	0.16	0.140
MAY								
14-21	0.050	0.010	0.120	0.020	0.57	0.24	0.10	0.030
MAY 28-								
JUN 04	0.150	0.050	0.390	0.090	1.40	0.67	0.37	0.050
JUN								
04-11	0.090	0.020	0.130	0.040	1.10	0.23	0.20	0.100
JUN								
18-25	0.310	0.060	0.270	0.060	1.90	0.51	0.42	0.190
JUL								
02-09	0.080	0.030	0.060	0.290	1.10	0.11	0.16	0.300
JUL 30-								
AUG 06	0.070	0.010	0.150	0.090	3.00	0.19	0.37	0.240
AUG 27-								
SEP 03	0.060	0.020	0.250	0.210	1.20	0.29	0.20	0.030
SEP								
17-24	0.080	0.010	0.190	0.250	4.00	0.15	1.10	0.140
SEP								
24-30	0.060	0.010	0.180	0.250	0.67	0.22	0.12	0.350

QUALITY OF PRECIPITATION

PRECIPITATION QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

WILKINSON COUNTY

PRECIPITATION QUALITY STATION NEAR ROSETTA, MS

LOCATION.--Lat 31°17'34", long 91°08'11", in SE4NW4SW4 sec.26, T.4 N., R.1 E., Washington Meridian, Wilkinson County, Hydrologic Unit 08060205, on oil well service road, 0.1 mi southeast of U.S. Forest Service Route 193, in the Homochitto National Forest, 2.5 mi southwest of Rosetta.

PERIOD OF RECORD.--Water years 1986 to current year.

INSTRUMENTATION.--Automatic sensing wet-dry precipitation collector and universal recording rain gage since February 1986.

REMARKS.--Sample preparation and field measurements by local observer.

DATE	TOTAL PRECIP- ITATION FOR DEFINED PERIOD (IN) (00193)	SPEC. CONDUCT- TANCE LAB ATM DEP WET TOT (US/CM) (83156)	PH LAB ATM DEP WET T (UNITS) (83107)	DATE	TOTAL PRECIP- ITATION FOR DEFINED PERIOD (IN) (00193)	SPEC. CONDUCT- TANCE LAB ATM DEP WET TOT (US/CM) (83156)	PH LAB ATM DEP WET T (UNITS) (83107)
OCT				MAR 26-			
01-02	0.00	--	--	APR 02	1.80	10	5.20
02-09	0.80	7.5	4.90	02-09	0.20	16	4.80
09-16	0.05	--	--	09-16	5.80	10	5.20
16-23	1.72	7.5	4.90	16-24	2.10	9.2	5.00
23-30	0.00	--	--	24-30	4.90	24	6.00
OCT 30-				APR 30-			
NOV 06	0.60	--	--	MAY 08	5.25	9.3	5.60
06-14	1.25	--	--	08-14	1.25	6.3	5.40
14-20	0.00	--	--	14-21	2.01	11	4.70
20-27	0.76	17	4.50	21-28	0.95	8.0	4.90
NOV 27-				MAY 28-			
DEC 05	3.50	5.4	5.10	JUN 04	0.30	23	4.60
05-12	0.38	15	4.60	04-11	0.95	22	4.40
12-18	0.10	--	--	11-18	2.05	11	4.70
18-25	3.15	16	4.70	18-25	1.82	8.6	5.00
DEC 25-				JUN 25-			
JAN 1991				JUL 02	0.75	16	4.50
-02	1.60	11	4.80	02-09	4.00	15	4.60
02-08	2.00	4.6	5.20	09-16	0.00	--	--
08-17	2.85	--	--	16-23	0.00	--	--
17-22	1.20	5.6	5.00	23-30	0.00	--	--
22-29	1.67	6.5	5.00	JUL 30-			
JAN 29-				AUG 06	0.20	--	--
FEB 05	1.90	--	--	06-14	2.02	6.4	4.90
05-12	0.13	--	--	14-21	0.30	--	--
12-20	3.45	10	4.90	21-27	0.30	11	4.90
20-26	2.20	7.3	5.00	AUG 27-			
FEB 26-				SEP 04	2.10	12	4.60
MAR 06	0.95	6.2	6.00	04-11	0.94	13	4.70
06-12	0.00	--	--	11-18	0.00	--	--
12-19	1.05	8.0	5.00	18-25	3.45	17	4.50
19-26	0.00	--	--	25-30	0.00	--	--

PRECIPITATION QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

WILKINSON COUNTY--Continued

PRECIPITATION QUALITY STATION NEAR ROSETTA, MS--Continued

DATE	CALCIUM	MAG-	SODIUM	POTAS-	SULFATE	CHLO-	NI-	NI-
	ATM DEP	NESIUM	ATM DEP	SIUM	ATM DEP	RIDE	TROGEN	TROGEN
	WET DIS (MG/L) (82932)	ATM DEP WET DIS (MG/L) (83002)	ATM DEP WET DIS (MG/L) (83138)	ATM DEP WET DIS (MG/L) (83120)	WET DIS AS SO4 (MG/L) (83160)	ATM DEP WET DIS (MG/L) (82944)	ATM DEP AS N (MG/L) (83068)	ATM DEP AS N (MG/L) (83044)
OCT								
02-09	0.130	0.030	0.210	0.030	0.71	0.43	0.06	0.010
OCT								
16-23	0.090	0.020	0.130	0.030	0.66	0.29	0.06	<0.010
NOV								
20-27	0.120	0.030	0.170	0.070	1.50	0.40	0.19	0.120
NOV 27-								
DEC 05	0.180	0.030	0.170	0.040	0.50	0.37	0.05	0.020
DEC								
05-12	0.140	0.020	0.110	0.040	0.88	0.29	0.31	0.070
DEC								
18-25	0.150	0.080	0.650	0.070	1.40	1.20	0.13	0.110
DEC 25-								
JAN 02	0.110	0.050	0.350	0.040	0.89	0.65	0.14	0.090
JAN								
02-08	0.090	0.010	0.030	0.120	0.32	0.23	0.06	0.060
JAN								
17-22	0.140	0.010	0.050	0.020	0.59	0.10	0.09	0.050
JAN								
22-29	0.160	0.010	0.060	0.020	0.60	0.11	0.09	0.040
FEB								
12-20	0.210	0.040	0.310	0.070	1.10	0.50	0.12	0.130
FEB								
20-26	0.130	0.020	0.170	0.030	0.62	0.26	0.10	0.080
FEB 26-								
MAR 06	0.570	0.020	0.220	0.040	0.82	0.33	0.12	0.100
MAR								
12-19	0.250	0.030	0.150	0.040	0.90	0.23	0.13	0.060
MAR 26-								
APR 02	0.220	0.060	0.500	0.090	1.20	0.78	0.16	0.240
APR								
02-09	0.280	0.100	0.800	0.090	1.40	1.20	0.36	0.250
APR								
09-16	0.180	0.050	0.400	0.070	1.00	0.76	0.21	0.280
APR								
16-24	0.100	0.030	0.190	0.070	0.94	0.31	0.19	0.220
APR								
24-30	0.520	0.110	0.750	0.310	2.70	1.30	0.58	1.40
APR 30-								
MAY 08	0.150	0.030	0.270	0.090	1.10	0.51	0.34	0.440
MAY								
08-14	0.090	0.030	0.230	0.050	0.52	0.36	0.20	0.250
MAY								
14-21	0.090	0.020	0.160	0.030	0.64	0.34	0.22	0.050
MAY								
21-28	0.070	0.020	0.170	0.030	0.63	0.56	0.12	0.060
MAY 28-								
JUN 04	0.310	0.100	0.640	0.050	2.40	1.00	0.54	0.460
JUN								
04-11	0.090	0.020	0.190	0.070	1.90	0.34	0.04	0.210
JUN								
11-18	0.060	0.020	0.200	0.040	0.16	0.40	0.70	0.060
JUN								
18-25	0.180	0.020	0.230	0.080	0.66	0.36	0.19	0.080
JUN 25-								
JUL 02	0.130	0.020	0.110	0.040	1.40	0.16	0.28	0.120
JUL								
02-09	0.080	0.020	0.160	0.030	1.20	0.23	0.21	0.080
AUG								
06-14	0.040	<0.010	0.050	0.020	0.51	<0.10	0.09	0.040
AUG								
21-27	0.110	0.020	0.360	0.090	0.91	0.42	0.17	0.150
AUG 27-								
SEP 04	0.060	0.020	0.140	0.090	0.83	0.18	0.15	0.010
SEP								
04-11	0.070	0.020	0.230	0.050	0.79	0.23	0.18	0.020
SEP								
18-25	--	--	--	--	1.40	0.10	0.18	0.090

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FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI).

Multiply inch-pound units	By	To obtain SI units
<i>Length</i>		
inches (in)	2.54×10^1	millimeters (mm)
	2.54×10^{-2}	meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^0	kilometers (km)
<i>Area</i>		
acres	4.047×10^3	square meters (m ²)
	4.047×10^{-1}	square hectometers (hm ²)
	4.047×10^{-3}	square kilometers (km ²)
square miles (mi ²)	2.590×10^0	square kilometers (km ²)
<i>Volume</i>		
gallons (gal)	3.785×10^0	liters (L)
	3.785×10^0	cubic decimeters (dm ³)
	3.785×10^{-3}	cubic meters (m ³)
million gallons	3.785×10^3	cubic meters (m ³)
	3.785×10^{-3}	cubic hectometers (hm ³)
cubic feet (ft ³)	2.832×10^1	cubic decimeters (dm ³)
	2.832×10^{-2}	cubic meters (m ³)
cfs-days	2.447×10^3	cubic meters (m ³)
	2.447×10^{-3}	cubic hectometers (hm ³)
acre-feet (acre-ft)	1.233×10^3	cubic meters (m ³)
	1.233×10^{-3}	cubic hectometers (hm ³)
	1.233×10^{-6}	cubic kilometers (km ³)
<i>Flow</i>		
cubic feet per second (ft ³ /s)	2.832×10^1	liters per second (L/s)
	2.832×10^1	cubic decimeters per second (dm ³ /s)
	2.832×10^{-2}	cubic meters per second (m ³ /s)
gallons per minute (gal/min)	6.309×10^{-2}	liters per second (L/s)
	6.309×10^{-2}	cubic decimeters per second (dm ³ /s)
	6.309×10^{-5}	cubic meters per second (m ³ /s)
million gallons per day	4.381×10^1	cubic decimeters per second (dm ³ /s)
	4.381×10^{-2}	cubic meters per second (m ³ /s)
<i>Mass</i>		
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons

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