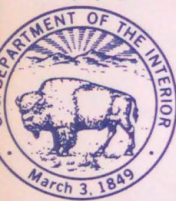
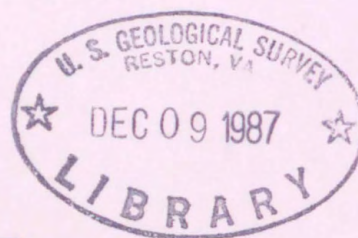


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Water Resources Data Mississippi Water Year 1986



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT MS-86-1
Prepared in cooperation with the Mississippi Department of
Natural Resources and with other State, county, municipal
and Federal agencies

CALENDAR FOR WATER YEAR 1986

1985

OCTOBER

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1986

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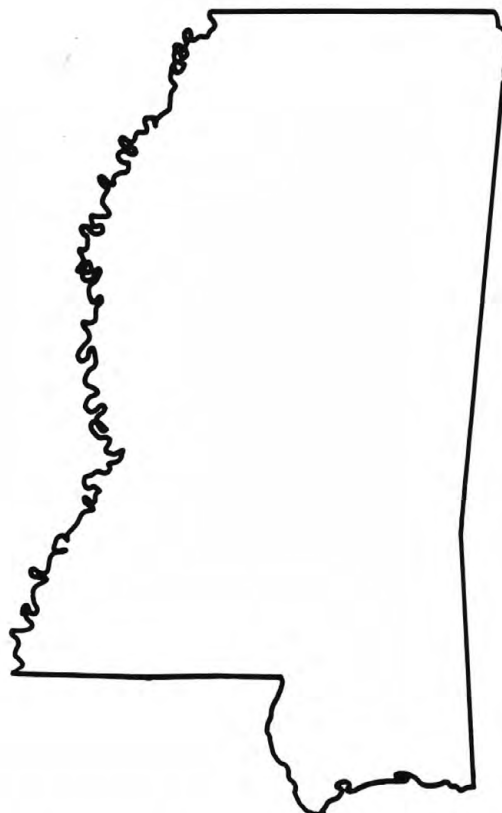
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Water Resources Data Mississippi Water Year 1986

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



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT MS-86-1
Prepared in cooperation with the Mississippi Department of
Natural Resources and with other State, county, municipal,
and Federal agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

DONALD PAUL HODEL, 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

1987

PREFACE

This volume of the annual hydrologic data report of Mississippi is one of a series of annual reports that document 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:

S. H. Bishop	J. W. Hudson	R. E. Southard
G. A. Bednar	M. A. Manning	P. A. Telis
D. W. Cook	T. V. Nevitt	D. T. Wilson
D. E. Gibbs	G. E. Peters	K. V. Wilson, Jr.
P. E. Grantham	J. A. Powell	
J. A. Herrington	B. R. Richards	

A. Marie Hickman is responsible for typing and editing the report.

This report was prepared in cooperation with the State of Mississippi and with other agencies under the general supervision of Michael W. Gaydos, District Chief, Mississippi.

REPORT DOCUMENTATION PAGE	1. REPORT NO. USGS/WRD/HD-87/269	2.	3. Recipient's Accession No.
4. Title and Subtitle Water Resources Data for Mississippi, Water Year 1986			5. Report Date August 1987
7. Author(s) E.J. Tharpe, M.L. Plunkett, F. Morris III, W.T. Oakley			8. Performing Organization Rep. No. USGS-WDR-MS-86-1
9. Performing Organization Name and Address U.S. Geological Survey, Water Resources Division 100 W. Capitol Street, Suite 710 Jackson, Mississippi 39269			10. Project/Task/Work Unit No.
			11. Contract(C) or Grant(G) No. (C) (G)
12. Sponsoring Organization Name and Address U.S. Geological Survey, Water Resources Division 100 W. Capitol Street, Suite 710 Jackson, Mississippi 39269			13. Type of Report & Period Covered Annual - Oct. 1, 1985 to Sept. 30, 1986
			14.
15. Supplementary Notes Prepared in cooperation with the State of Mississippi and with other agencies.			
16. Abstract (Limit: 200 words) Water resources data for the 1986 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 71 gaging stations; stage records for 18 of these gaging stations; stage only at 5 gaging stations; water quality for 12 stations, 3 precipitation quality stations, and 32 wells; and water levels for 609 observation wells. Also included are peak-discharge data for 56 crest-stage partial-record stations, discharge data at 97 low-flow partial-record stations, and water quality data at 3 partial-record or miscellaneous 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 cooperation State and Federal agencies in Mississippi.			
17. Document Analysis a. Descriptors *Mississippi, *Hydrologic data, *Surface water, *Ground water, *Water quality, Flow rate, Gaging stations, Lakes, Reservoirs, Chemical analyses, Sediments, Water temperatures, Sampling sites, Water analyses. b. Identifiers/Open-Ended Terms c. COSATI Field/Group			
18. Availability Statement: No restrictions on distribution. This report may be purchased from: National Technical Information Service, Springfield, VA 22161		19. Security Class (This Report) UNCLASSIFIED	21. No. of Pages 404
		20. Security Class (This Page) UNCLASSIFIED	22. Price

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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]

SOUTH ATLANTIC SLOPE AND EASTERN GULF OF MEXICO BASINS

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WATER RESOURCES DATA - MISSISSIPPI, 1986

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 71 streamflow-gaging stations, stage records for 18 of these gaging stations, stage only at 5 gaging stations, for 162 partial-record or miscellaneous streamflow stations, and for 56 crest-stage, partial-record streamflow stations; (2) water-quality records for 12 streamflow-gaging stations, for 3 ungaged streamsites, and for 29 wells; and (3) water-level records for 609 observation wells. 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 28, 38 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-85-1." 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.

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.

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. Organizations that assisted in the collection of data through cooperation with the Survey are:

Mississippi Department of Natural Resources, Charlie L. Blalock, Executive Director.
Bureau of Land and Water Resources, Charles T. Branch, Director.
Bureau of Pollution Control, Charles H. Chisolm, Director.
Bureau of Geology, Alvin R. Bicker, Director.
Mississippi State Highway Department, John R. Tabb, Director.
Pat Harrison Waterway District, Albert L. Gerrard, Jr., Executive Director.
Pearl River Valley Water Supply District, Joe D. Brown, President.
Harrison County Board of Supervisors, Ernest C. Melvin, President.
Harrison County Development Commission, Tommy Munro, President.
Jackson County Board of Supervisors, J.C. May, President.
Jackson County Port Authority, Paul Pella, Port Director.
City of Jackson, Dale Danks, Jr., Mayor.
Pearl River Basin Development District, Mike Davis, Executive Vice President
Gulf Regional Planning Commission, James A. Head, Jr. Executive Director
Mississippi Research and Development Center, Dr. Jim W. Meredith, Director

Assistance with funds or services was given by the U. S. Army Corps of Engineers, in collecting records for 44 streamflow-gaging stations and 5 crest-stage gages published in this report.

The following organizations aided in collecting records: National Weather Service, NOAA, U.S. Department of Commerce; the Soil Conservation Service, U.S. Department of Agriculture; and the Environmental Protection Agency.

Organizations that provided data are acknowledged in station descriptions.

SUMMARY OF HYDROLOGIC CONDITIONS

Streamflow

Annual mean streamflow was normal to slightly below normal in Mississippi during the 1986 water year. Comparison of monthly and annual (discharge) with the median of the monthly and annual means for the reference period of 1951-80 are shown for three representative gaging stations on major streams in figure 2. The gaging stations are: Tombigbee River at Columbus Lock and Dam near Columbus, which drains northeastern Mississippi, Big Black River near Bovina, which drains central Mississippi, and Pascagoula River at Merrill, which drains southeastern Mississippi. The monthly mean discharges varied considerably from above normal in October, November and June, to below normal in January, February, March, April, May, July and August, leaving only December and September in which monthly mean discharges at all three stations were within the normal range. In spite of several months of below normal discharge, only a few sites, generally along the eastern border of the State, experienced drought conditions with 7-day low flows having a 2-5 year recurrence interval.

Runoff of the Tombigbee River at Columbus Lock and Dam near Columbus was 9.45 inches for the water year, which is 50 percent of the median annual runoff of 18.89 inches for the reference period 1951-1980. Above normal discharge was recorded in October and June when the monthly mean discharges were 346 and 354 percent of the respective median of the monthly mean discharges for the reference period. Below normal discharge was recorded in January, February, March, April, and May, when the monthly mean discharges were 18, 41, 46, 13 and 38 percent of the respective median of the monthly mean discharges for the reference period. All other monthly mean discharges were within the normal range.

Runoff of the Pascagoula River at Merrill was 15.38 inches for the water year, which is 79 percent of the median annual runoff of 19.37 inches for the reference period 1951-1980. Above normal discharge was recorded in October and November, when the monthly mean discharges were 384 and 659 percent of the respective median of the monthly mean discharges for the reference period. Below normal discharge was recorded in March, April, May, July and August, when the monthly mean discharges were 59, 30, 52, 84 and 54 percent of the respective median of the monthly mean discharges for the reference period. All other monthly mean discharges were within the normal range.

Runoff of the Big Black River near Bovina was 8.20 inches for the water year, which is 51 percent of the median annual runoff of 16.04 inches for the reference period 1951-1980. Above normal discharge was recorded in October and June, when the monthly mean discharges were 456 and 190 percent of the respective median of the monthly mean discharges for the reference period. Below normal discharge was recorded in January, February, March, April, July and August when the monthly mean discharges were 15, 19, 47, 11, 40 and 58 percent of the respective median of the monthly mean discharge for the reference period. All other monthly mean discharges were within the normal range.

Streamflow Quality

Mississippi streams provide an abundant supply of water that is suitable for many purposes. For the most part, the surface waters are not extensively polluted with manmade wastes. Local stream pollution does occur in some areas of agricultural-chemical use, near large urban areas, and along the industrialized gulf coast; however, these areas are not extensive.

With the exception of the Mississippi River, where in the 1986 water year, dissolved-solids concentrations ranged from 239 to 299 mg/L, dissolved-solids concentrations of most streams in Mississippi generally were less than 100 mg/L. Ranges of measured dissolved-solids concentrations in selected streams are given in the following table:

Dissolved-solids concentrations, in mg/L

	Minimum	Maximum
Pascagoula River near Benndale	46	101
Wolf River near Landon	30	36
Yazoo River at Redwood	79	156
Big Black River near Bovina	51	119
Homochitto River at Rosetta	55	67

In general, the dissolved-solids concentration of water were higher at stations on the Yazoo River and Big Black River in the western part of the State than at stations in the other parts of the State. The dissolved-solids concentration, as reflected by the specific conductance measurements along the main stem of Tombigbee River, generally decreased downstream from Amory to Columbus. The measured specific conductance of the water in Tombigbee River ranged from 157 to 227 microsiemens/cm at Amory and from 116 to 163 microsiemens/cm downstream at Columbus Lock and Dam.

The suspended-sediment concentrations in streams in Mississippi ranged from less than 50 mg/L during periods of low flow to more than 500 mg/L during high flow. Concentrations of suspended sediment were lowest at the Pascagoula River station in the more heavily forested eastern part of the State. The following table shows ranges of measured suspended-sediment concentrations in streams at selected stations.

Suspended-sediment concentrations, in mg/L

	Minimum	Maximum
Pascagoula River near Benndale	16	83
Yazoo River at Shell Bluff	140	270
Yazoo River at Redwood	46	190
Big Black River at Bovina	61	547
Homochitto River near Rosetta	20	208

Dissolved-oxygen concentrations in streams were lowest during the summer months when stream temperatures were highest and flow velocities lowest. The dissolved-oxygen concentrations were generally greater than 5.0 mg/L. An abnormally low dissolved-oxygen concentration in the Yazoo River was measured at the Redwood station. Ranges of measured dissolved-oxygen concentrations in milligrams per liter in selected streams are shown in the following table:

Dissolved-oxygen concentration, in mg/L

	Minimum	Maximum
Tombigbee River below Columbus Lock & Dam	7.3	12.0
Pascagoula River near Benndale	6.1	9.0
Wolf River near Landon	7.3	9.9
Yazoo River at Redwood	3.5	10.2
Big Black River near Bovina	5.2	8.6
Homochitto River at Rosetta	8.0	10.2

Determinations of pH at the index stations indicate that the water of most streams was slightly acidic at times and that the pH generally was lowest in the southern part of the State. The pH of the water ranged from 7.1 to 7.8 units in the Yazoo River and from 7.5 to 8.8 units in the Tombigbee River. In the southern part of the State, the pH of the water in Wolf River near Landon and Pascagoula River near Benndale ranged from 5.1 to 6.1 units and 6.6 to 7.0 units, respectively.

Ground-Water Levels

Ground-water levels in artesian aquifers statewide continue long-term declining trends following seasonal water-level recoveries during the early part of the year. The fluctuation of ground-water levels in the State are characterized by representative hydrographs of selected observation wells (figure 1).

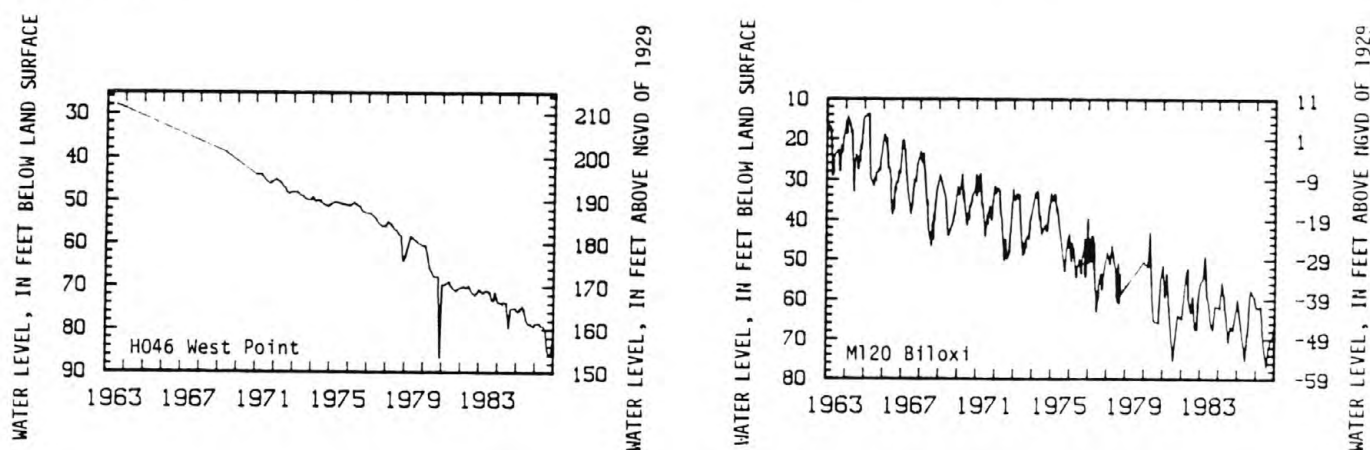


Figure 1.--Hydrographs of wells in the Gardo Formation at West Point and the Graham Ferry Formation at Biloxi

Generally, in wells screened in the Miocene aquifers in southern Mississippi, water levels declined about 2 feet. In wells screened in the Graham Ferry Formation along the gulf coast, water levels declined 1 to 3 feet, establishing record low levels at a number of wells. In the shallow Citronelle aquifer in southern Mississippi, water levels were slightly higher at all reporting stations.

In central Mississippi, water levels in the Cockfield Formation, Sparta Sand, and Meridian-upper Wilcox aquifer reflected declines of 1 to 3 feet in most areas, establishing record low levels at a number of wells screened in the Cockfield Formation in the Hinds County area. Water levels in wells used primarily for domestic purposes screened in the Vicksburg Group and Forest Hill Sand declined about 1 foot.

In northeastern Mississippi, water levels in the Eutaw-McShan aquifer and Tuscaloosa aquifer system generally declined less than 2 feet. In the heavily pumped Tupelo area in Lee County, water levels declined in excess of 3 feet, establishing record low levels at a number of wells.

Water levels in the Sparta aquifer system, Winona-Tallahatta Formation, and lower Wilcox aquifers in northwestern Mississippi showed declines of about 1 foot but exceeded that in some wells affected by pumping.

Water levels in the Mississippi River valley alluvial aquifer in northwestern Mississippi declined about 2 feet throughout much of the northern part of the area commonly known as the Delta. Where irrigation and fish farming place large demands on ground water from the shallow alluvial aquifer in the northern part of the Delta, declines in excess of 2 feet were recorded and record low-water levels were measured at some sites. Normal seasonal variations in water levels were recorded in the southern part of the Delta.

Precipitation Quality

At the National Space and Technology Laboratory near Bay St. Louis on the Mississippi Gulf Coast, the specific conductance of precipitation samples ranged from 7 to 54 microsiemens/cm. Further inland at the site near Janice in Perry County, the specific conductance ranged from 7 to 64 microsiemens/cm. The dissolved minerals in the precipitation at both sites are those that are commonly found in the geohydrologic environment. Of the common constituents, sulfate generally was present in highest concentrations. A station was established in 1986 near Rosetta in Wilkinson County. The specific conductance of precipitation at the Rosetta station ranged from 8 to 46 microsiemens during the 32 weeks of station operation.

Chemical analysis of atmospheric precipitation at two sites in southern Mississippi indicate that, as in other parts of the country, the quality of precipitation is affected by airborne chemical substances. The pH was affected to some degree by substances containing and producing oxides of sulfur and nitrogen but to a lesser extent than precipitation in the more heavily industrialized sections of the country. At the site near Bay St. Louis the pH of precipitation ranged from 4.0 to 5.9 units and had a median pH value of 4.6 units. Near Janice the pH ranged from 3.9 to 5.1 units and the median value was 4.4 units. The median pH of precipitation was 4.7 units at the Rosetta station during the partial year of station operation. At both sites pH values usually were lower than 5.0 units which is considered to be a minimum for precipitation in areas unaffected by industrial emissions. However, pH values usually were higher (less acidic) than those reported in some states in the northeastern part of the country (U.S. Geological Survey Water-Supply Paper 2250, 1984, page 61).

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. The 500 or so sites in NASQAN 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 1986 water year that began October 1, 1985, and ended September 30, 1986. 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 stream site or well, in this report is assigned a unique identification number. This number is unique in that it applies specifically to a given station and to no other. 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.

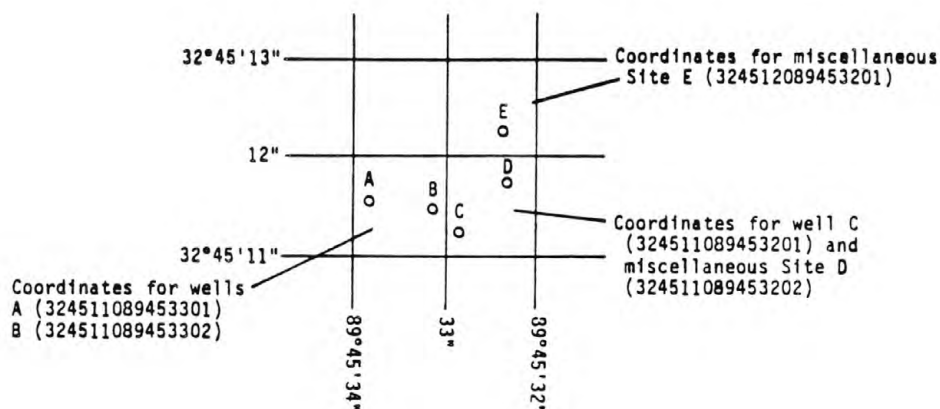


Figure 2.--System for numbering wells and miscellaneous sites (latitude and longitude)

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 3 and 4.

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 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 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.

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 3 and 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 for miscellaneous sites and 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 then 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:

810 Corps of Engineers, U.S. Army	28002 Mississippi Bureau of Geology
1028 U.S. Geological Survey	80020 U.S. Geological Survey, National Water-
1053 National Park Service	Quality Laboratory, Denver, Colorado
9728 Mississippi State Board of Health	99001 Private Contractor
28001 Mississippi Bureau of Pollution Control	

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:

<u>Sample Source</u>	<u>Sampling Condition</u>
1 Well Head	0.1 Being pumped
5 Flow Line	0.11 Pumped recently
26 Pump	0.12 Nearby Site Tapping
27 Tap near Well	same aquifer being pumped
28 Tap away from Well	4 Flowing
30 Pressure Tank	8 Pumping
31 Discharge Pipe	10 Open Hole
33 Bailer	15 Bailing
1001 Wet Deposition	26 Production and development test
1003 Landfill	30 Seeping
1004 Cast Overburden	
1006 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:

<u>PRINTED OUTPUT</u>	<u>REMARK</u>
E	Estimated value
>	Actual value is known to be greater than the value shown
<	Actual value is known to be less than the value shown
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)
D	Biological organism count equal to or greater than 15 percent (dominant)
&	Biological organism estimated as dominant

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 5.

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. 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 National Water Data Storage and Retrieval System (WATSTORE) was established for handling water data collected through the activities of the U.S. Geological Survey and to provide for more effective and efficient means of releasing the data to the public. The system is operated and maintained on the central computer facilities of the Survey at its National Center in Reston, Virginia.

WATSTORE can provide a variety of useful products ranging from simple data tables to complex statistical analyses. A minimal fee, plus the actual computer cost incurred in producing a desired product, is charged to the requester. Information about the availability of specific types of data, the acquisition of data or products, and user charges can be obtained locally from the offices whose addresses are given on the back of the title page.

General inquiries about WATSTORE may be directed to:

Chief Hydrologist
U.S. Geological Survey
437 National Center
Reston, Virginia 22092

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 milligrams per liter, used for the decomposition of organic matter by microorganisms, such as bacteria.

Biomass is the amount of living matter present at any given time, expressed as the mass per unit area of 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 (ft³/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 (ft³)/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 [ft³/s)/mi²]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 um 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 1929) 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.

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. The 500 or so sites in NASQAN 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 Nations 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:

<u>Classification</u>	<u>Size (mm)</u>	<u>Method of analyses</u>
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.

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

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 a 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 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 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 (7 Q₁₀) 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 planimeted. All areas shown are those for the stage when the planimeted map was made.

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

Suspended (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:

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

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-Resources Data" 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 1975.

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

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."

- 1-D1. *Water temperature--influential factors, field measurement, and data presentation*, by H. H. Stevens, Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.
- 1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.
- 2-D1. *Application of surface geophysics to ground-water investigations*, by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.
- 2-E1. *Application of borehole geophysics to water-resources investigations*, by W. S. Keys and L. M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.
- 3-A1. *General field and office procedures for indirect discharge measurements*, by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.
- 3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.
- 3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.
- 3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 Pages.
- 3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.
- 3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.
- 3-A7. *Stage measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.
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- 3-A9. *Measurement of time of travel and dispersion in streams by dye tracing*, by E. F. Hubbard, F. A. Kilpatrick, L. A. Martens, and J. F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1982. 44 pages.
- 3-A10. *Discharge ratings at gaging stations*, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A10. 1984. 59 pages.
- 3-A11. *Measurement of discharge by moving-boat method*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.
- 3-A13. *Computation of continuous records of streamflow*, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A13. 1983. 53 pages.
- 3-A14. *Use of flumes in measuring discharge*, by F. A. Kilpatrick and V. R. Schneider: USGS--TWRI Book 3, Chapter A14. 1983. 46 pages.
- 3-A15. *Computation of water-surface profiles in open channels*, by Jacob Davidian: USGS--TWRI Book 3, Chapter A15. 1984. 48 pages.
- 3-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.
- 3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.
- 3-B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J. E. Reed: USGS--TWRI Book 3, Chapter B3. 1980. 106 pages.

- 3-C1. *Fluvial sediment concepts* by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.
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- 4-A1. *Some statistical tools in hydrology*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.
- 4-A2. *Frequency curves* by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.
- 4-B1. *Low-flow investigations* by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.
- 4-B2. *Storage analyses for water supply* by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.
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- 4-D1. *Computation of rate and volume of stream depletion by wells* by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.
- 5-A1. *Methods for determination of inorganic substances in water and fluvial sediments* by M. W. Skougstad and others, editors: USGS--TWRI Book 5, Chapter A1. 1979. 626 pages.
- 5-A2. *Determination of minor elements in water by emission spectroscopy* by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.
- 5-A3. *Methods for analysis of organic substances in water* by D. F. Goerlitz and Eugene Brown: USGS--TWRI Book 5, Chapter A3. 1972. 40 pages.
- 5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples* edited by P. E. Greeson, T. A. Ehlike, G. A. Irwin, B. W. Lium, and K. V. Slack: USGS--TWRI Book 5, Chapter A4. 1977. 332 pages.
- 5-A5. *Methods for determination of radioactive substances in water and fluvial sediments* by L. L. Thatcher, V. J. Janzer, and K. W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.
- 5-A6. *Quality assurance practices for the chemical and biological analyses of water and fluvial sediments*, by L. C. Friedman and D. E. Erdmann: USGS--TWRI Book 5, Chapter A6. 1982. 181 pages.
- 5-C1. *Laboratory theory and methods for sediment analysis* by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.
- 7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P. C. Trescott, G. F. Pinder, and S. P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.
- 7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water* by L. F. Konikow and J. D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.
- 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.
- 8-A1. *Methods of measuring water levels in deep wells* by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.
- 8-A2. *Installation and service manual for U.S. Geological Survey manometers* by J. D. Craig: USGS--TWRI Book 8, Chapter A2. 1983. 57 pages.
- 8-B2. *Calibration and maintenance of vertical-axis type current meters* by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

DISCHARGE, IN CUBIC FEET PER SECOND

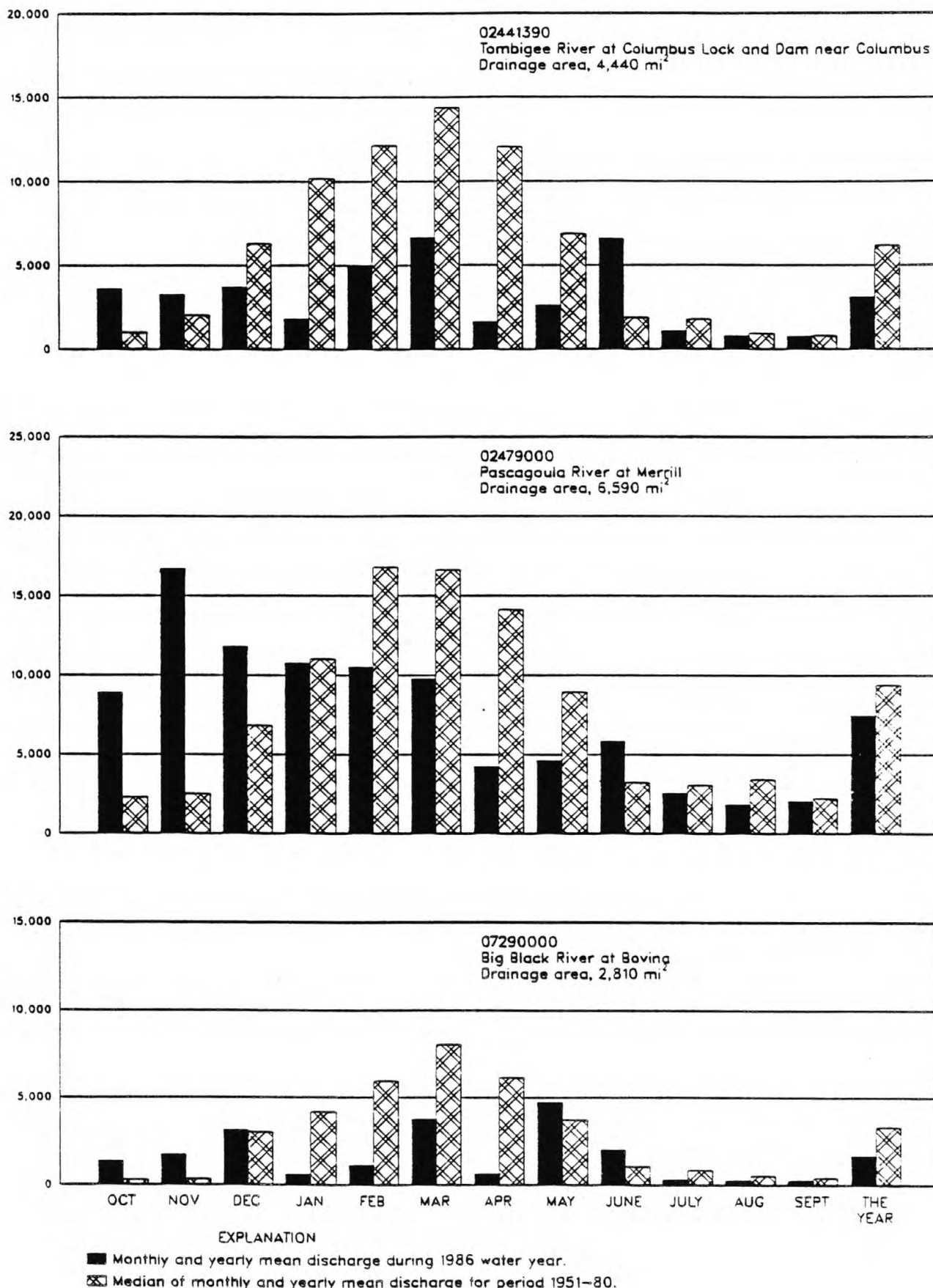


Figure 3.—Comparison of discharge during 1986 water year with median discharge for period 1951-80 for three representative gaging stations.

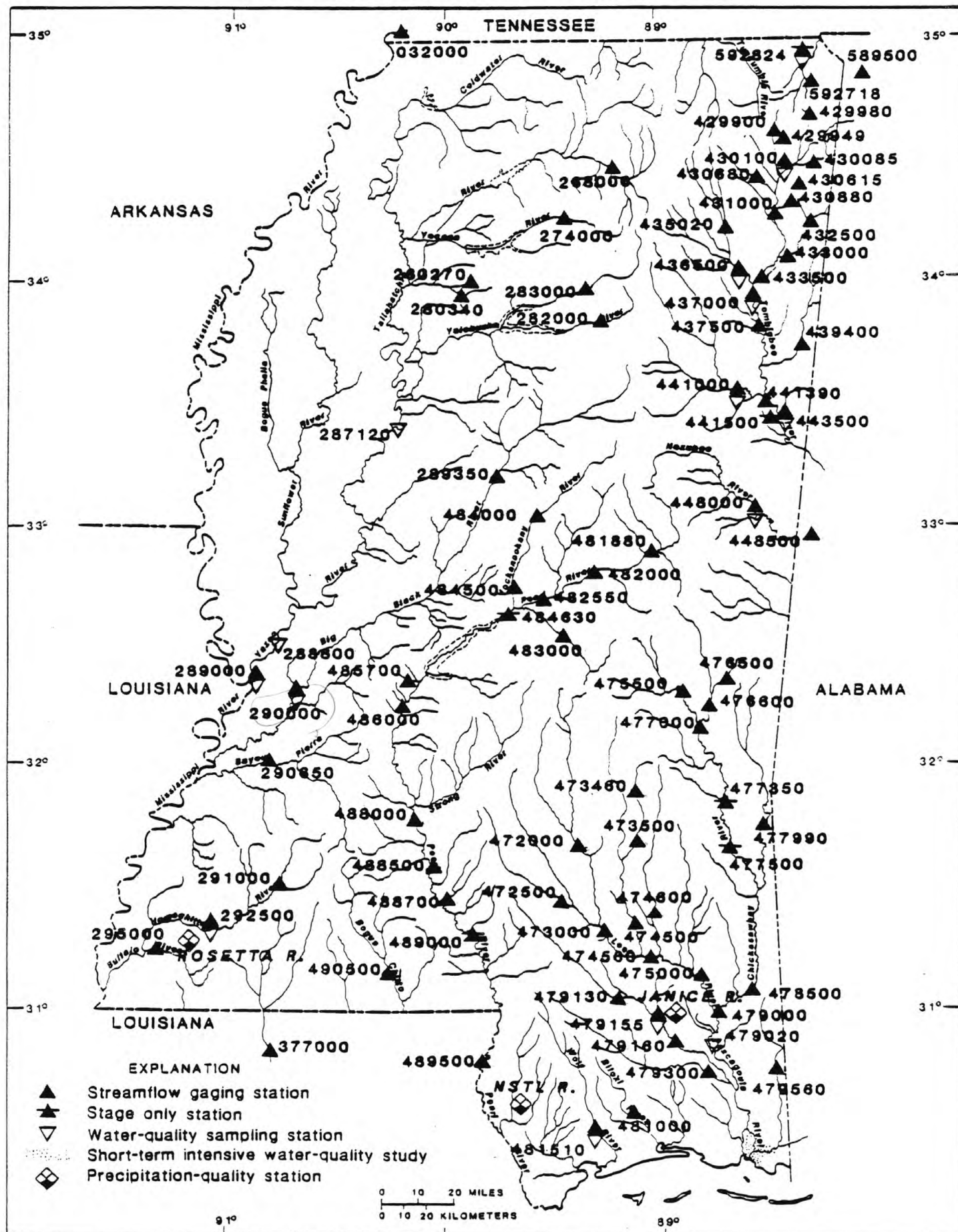


Figure 4.--Location of hydrologic-data stations.

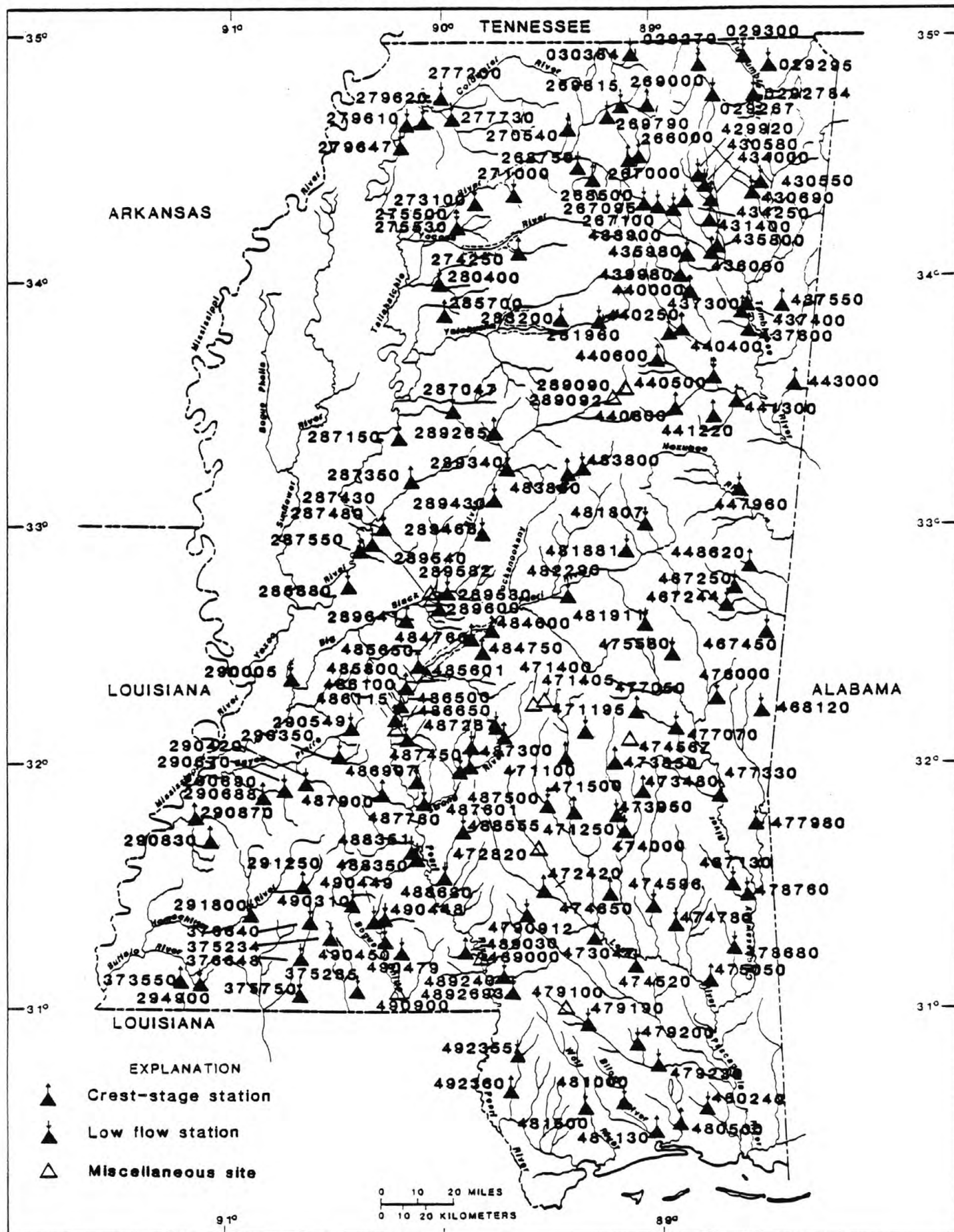


Figure 5.-- Partial-record and miscellaneous sites.



HYDROLOGIC-DATA STATION RECORDS

31

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: Nov. 2-4, May 3-19 and Aug. 7-15. Records fair. U. S. Army Corps of Engineers gage-height telemeter at station.

AVERAGE DISCHARGE.--13 years, 48.6 ft³/s, 24.35 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, 0.16 ft³/s, Sept. 2, 3, 4, 1977.

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. 17	2345	*462	*11.04				

Minimum discharge, 0.47 ft³/s, Sept. 29, 30, gage height, 2.74 ft.

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	9.3	23	43	16	8.8	18	20	4.2	17	9.2	1.3	1.1
2	4.4	100	28	14	9.3	18	19	4.9	20	10	1.3	1.1
3	2.9	50	22	14	9.3	18	18	3.8	13	8.8	1.4	1.1
4	2.8	38	20	14	10	17	18	3.4	14	5.2	1.0	3.3
5	2.5	29	23	13	18	16	17	3.5	58	4.0	.91	3.4
6	2.3	26	20	12	14	16	16	3.6	104	3.5	1.1	1.4
7	2.3	24	19	12	12	15	17	3.4	167	3.0	11	1.1
8	2.2	20	19	10	10	15	23	3.2	130	2.7	6.0	.90
9	2.3	18	18	11	12	15	17	3.1	75	2.4	4.0	.85
10	2.2	17	17	12	13	15	15	3.4	52	2.2	3.0	.84
11	2.2	17	20	11	12	15	15	10	134	2.0	10	.79
12	2.2	16	25	12	11	87	14	9.9	154	2.0	5.0	3.7
13	2.2	15	28	11	12	124	13	6.4	48	1.9	3.0	1.2
14	25	14	20	10	31	54	13	5.0	32	9.6	2.0	.91
15	83	14	18	10	29	58	13	4.6	26	2.9	1.8	.79
16	15	112	18	9.8	20	38	11	4.4	20	2.5	29	.76
17	8.4	64	17	10	136	32	11	3.8	17	2.1	8.9	.71
18	6.0	51	16	11	192	65	11	4.0	16	1.9	2.5	.65
19	5.2	37	15	16	61	154	10	14	12	1.8	2.0	.69
20	5.4	30	17	13	43	52	13	4.5	10	1.6	1.7	.75
21	9.3	26	15	12	35	39	13	2.6	8.5	1.5	1.5	.86
22	6.6	25	17	11	30	37	9.4	4.8	6.8	1.5	1.4	.88
23	24	22	18	9.3	28	33	8.5	9.6	5.6	1.4	1.3	.78
24	11	21	16	9.5	26	30	8.1	11	11	1.3	1.3	.76
25	11	20	14	10	23	28	7.7	29	6.0	1.4	1.3	.71
26	9.5	20	14	11	24	26	6.9	41	4.6	1.6	1.2	.63
27	8.8	25	16	8.7	22	25	5.8	39	4.0	1.6	1.2	.55
28	17	28	14	11	20	23	5.3	213	14	1.5	3.1	.50
29	17	21	14	10	---	22	4.6	52	19	1.6	1.8	.47
30	14	19	13	8.8	---	22	4.2	27	14	1.3	1.3	.47
31	25	---	19	8.3	---	21	---	18	---	1.3	1.1	---
TOTAL	341.0	942	593	351.4	871.4	1148	377.5	550.1	1212.5	95.3	113.41	32.65
MEAN	11.0	31.4	19.1	11.3	31.1	37.0	12.6	17.7	40.4	3.07	3.66	1.09
MAX	83	112	43	16	192	154	23	213	167	10	29	3.7
MIN	2.2	14	13	8.3	8.8	15	4.2	2.6	4.0	1.3	.91	.47
CFSM	.41	1.16	.71	.42	1.15	1.37	.47	.65	1.49	.11	.14	.04
IN.	.47	1.29	.81	.48	1.20	1.58	.52	.76	1.66	.13	.16	.04

CAL YR 1985	TOTAL	10358.10	MEAN 28.4	MAX 496	MIN 1.4	CFSM 1.05	IN 14.22
WTR YR 1986	TOTAL	6628.26	MEAN 18.2	MAX 213	MIN .47	CFSM .67	IN 9.10

LOCATION.--Lat 34°32'14", long 88°24'02", in NW¼ sec.30, T.6 S., R.9 E., Chickasaw Meridian, Prentiss County, Hydrologic Unit Q3160101, on right bank at downstream side of bridge on State Highway 4, 1.8 mi southwest of New Site, and 5.2 mi upstream from West Canal Little Brown Creek. Records include flow in West Canal Little Brown Creek.

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

REVISID RECORDS.--WDR MS-84-1: 1983.

GAGE.--Water-stage recorder. Datum of gage on main channel is 312.64 ft above National Geodetic Vertical Datum of 1929 (levels by U. S. Army Corps of Engineers). Supplementary water-stage recorder on West Canal Little Brown Creek, 0.2 mi northwest of base gage.

REMARKS.--Estimated daily discharges: Nov. 24 to Dec. 9. Records good. Discharge computed by combining the flow of individually rated channels. U. S. Army Corps of Engineers gage-height telemeter at station.

AVERAGE DISCHARGE.--13 years, 66.6 ft³/s, 21.48 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,390 ft³/s, May 19, 1983, gage height, 14.65 ft; minimum daily, 6.6 ft³/s, Aug. 16, 1981, Oct. 8, 1981 and Sept. 3, 1983.

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)
Oct. 23	1945	877	*11.40	Mar. 19	0100	*890	11.00

Minimum daily discharge, 6.4 ft³/s, Sept. 30.

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	28	240	34	28	26	23	30	15	137	14	6.6	8.0
2	16	85	34	24	23	24	28	15	107	16	6.6	8.4
3	13	72	84	24	28	24	27	14	39	15	6.5	8.2
4	13	51	50	24	28	28	27	13	30	12	7.6	8.6
5	12	41	38	22	42	25	27	14	74	11	7.3	11
6	13	37	36	25	32	24	26	14	142	11	8.8	8.8
7	12	34	34	23	30	21	26	14	106	11	26	8.1
8	12	30	32	22	27	22	28	13	94	9.9	29	7.6
9	12	27	31	21	30	22	25	12	170	9.6	11	7.5
10	12	27	28	22	34	23	23	12	136	9.3	15	7.3
11	12	27	30	25	35	23	23	24	249	9.2	33	7.3
12	12	26	36	22	31	137	26	20	195	9.1	11	8.4
13	12	27	77	21	32	287	23	15	71	8.7	8.3	7.6
14	71	27	34	21	68	103	21	13	50	39	7.9	7.5
15	129	27	30	24	81	64	21	12	39	37	7.4	7.1
16	34	113	29	22	54	42	19	11	31	12	24	6.9
17	23	82	29	22	106	34	28	11	28	9.6	19	6.8
18	21	54	26	39	184	69	17	13	27	9.0	8.3	6.7
19	19	43	24	33	87	529	17	43	22	8.8	7.6	7.8
20	21	38	26	25	58	151	19	18	20	8.3	7.3	7.6
21	22	34	24	23	39	90	21	14	19	7.9	7.2	7.6
22	21	32	26	22	32	62	19	19	17	7.5	7.0	7.3
23	442	36	27	23	28	50	19	22	19	7.5	7.0	7.4
24	240	59	25	23	27	42	18	21	15	7.4	7.1	7.1
25	81	39	24	24	27	39	18	65	14	7.2	7.4	7.3
26	47	32	23	25	26	33	17	77	13	7.2	6.7	6.8
27	40	30	26	23	27	31	16	76	14	7.1	7.6	6.6
28	48	45	25	22	23	31	16	130	15	7.7	13	6.7
29	42	43	27	26	---	30	16	64	18	7.3	7.5	6.6
30	37	37	25	26	---	29	16	33	14	7.1	7.1	6.4
31	87	---	29	24	---	27	---	24	---	6.9	7.4	---
TOTAL	1604	1495	1023	750	1265	2139	657	861	1925	350.3	343.2	227.0
MEAN	51.7	49.8	33.0	24.2	45.2	69.0	21.9	27.8	64.2	11.3	11.1	7.57
MAX	442	240	84	39	184	529	30	130	249	39	33	11
MIN	12	26	23	21	23	21	16	11	13	6.9	6.5	6.4
CFSM	1.23	1.18	.78	.57	1.07	1.64	.52	.66	1.52	.27	.26	.18
IN.	1.41	1.32	.90	.66	1.12	1.89	.58	.76	1.70	.31	.30	.20
CAL YR 1985	TOTAL	17958.6	MEAN	49.2	MAX	711	MIN	9.7	CFSM	1.17	IN	15.83
WTR YR 1986	TOTAL	12639.5	MEAN	34.6	MAX	529	MIN	6.4	CFSM	.82	IN	11.14

MOBILE RIVER BASIN

33

02429980 POLLARD MILL BRANCH AT PADEN, MS
(Formerly published as Pollard Mill Branch near Paden, MS)

LOCATION.--Lat 34°39'10", long 88°15'00", in SE¼ sec.9, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 03160101, 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 from topographic map.

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

AVERAGE DISCHARGE.--14 years, 6.66 ft³/s, 45.02 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 524 ft³/s, May 19, 1983, gage height, 6.07 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, 2.36 ft, Oct. 24-27, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 84 ft³/s, Oct. 23, gage height, 3.54 ft; minimum discharge, 2.0 ft³/s, July 12, 13, 19-31, Aug. 1-6, 18-27, 30, 31, Sept. 1, 3, 4, 6-8; gage height, 2.38 ft.

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	5.5	13	6.7	3.8	3.5	3.5	3.9	3.5	3.6	2.6	2.1	2.3
2	3.6	5.8	4.5	3.8	3.5	3.5	3.9	3.3	4.4	3.4	2.2	2.3
3	3.4	6.6	4.4	3.9	3.7	3.8	3.9	3.1	3.8	2.7	2.2	2.3
4	3.4	4.9	4.4	3.8	4.4	3.9	3.8	3.1	4.6	2.6	2.2	2.4
5	3.1	4.4	4.4	4.0	4.1	3.9	4.0	3.0	5.1	2.5	2.2	2.3
6	3.1	4.2	4.4	3.8	3.7	3.7	3.8	3.1	7.2	2.5	2.3	2.2
7	3.1	4.0	4.3	3.9	3.5	3.5	3.8	3.1	5.0	2.5	3.8	2.1
8	3.1	3.8	4.2	3.9	3.5	3.5	4.1	3.0	9.2	2.3	2.6	2.3
9	3.1	3.7	4.2	3.8	3.8	3.5	3.8	2.9	6.5	2.4	2.3	3.3
10	3.2	3.7	4.3	4.0	4.2	3.5	3.7	3.8	7.6	2.4	2.3	3.4
11	3.2	4.0	4.9	3.9	3.9	3.5	4.0	5.9	14	2.4	2.9	3.7
12	3.2	3.5	5.2	3.9	3.8	11	3.8	4.1	9.1	2.5	2.3	4.2
13	3.2	3.7	5.2	3.9	3.8	6.9	3.7	3.3	5.1	2.3	2.3	3.4
14	6.3	3.7	4.5	3.9	6.8	4.8	3.9	3.2	3.9	2.8	2.3	3.3
15	6.7	3.7	4.6	3.9	4.4	4.5	3.5	3.2	3.5	2.9	2.4	3.5
16	3.8	7.2	4.2	3.9	3.9	3.9	3.5	3.2	3.2	2.5	3.5	3.3
17	3.5	4.9	3.9	3.9	9.9	3.9	4.0	3.0	3.0	2.4	2.6	3.3
18	3.6	4.1	3.7	4.5	7.6	7.1	3.8	5.1	3.0	2.4	2.2	3.5
19	3.8	4.1	3.5	4.7	5.0	7.6	3.5	6.9	2.9	2.4	2.1	4.1
20	3.9	3.7	3.8	3.9	4.5	4.8	4.9	2.9	2.9	2.2	2.1	3.5
21	4.1	4.1	3.7	4.0	4.4	4.4	4.0	2.8	2.8	2.2	2.1	3.7
22	3.9	3.7	3.8	3.5	4.3	4.2	3.9	4.2	2.8	2.2	2.1	3.6
23	18	3.5	3.9	3.5	3.9	4.2	3.5	3.4	2.7	2.2	2.1	3.5
24	6.2	4.0	3.6	3.6	3.9	4.1	3.5	7.3	2.6	2.2	2.2	3.6
25	4.4	3.6	3.5	3.7	3.9	3.9	3.7	6.8	2.6	2.2	2.2	3.3
26	3.9	3.9	3.6	3.6	3.9	3.9	3.4	8.8	2.5	2.2	2.1	3.4
27	4.4	6.3	3.6	3.5	3.9	3.9	3.3	11	2.5	2.1	2.6	3.4
28	4.4	5.4	3.7	3.7	3.5	3.9	3.2	16	3.5	2.2	3.7	3.4
29	3.8	4.0	3.5	3.7	---	4.1	3.1	6.0	3.0	2.1	2.3	3.5
30	4.7	3.9	3.7	3.6	---	3.9	3.2	4.4	2.9	2.1	2.5	3.4
31	7.6	---	5.2	3.5	---	3.9	---	3.5	---	2.2	2.2	---
TOTAL	141.2	139.1	131.1	119.0	123.2	138.7	112.1	146.9	135.5	74.6	75.0	95.5
MEAN	4.55	4.64	4.23	3.84	4.40	4.47	3.74	4.74	4.52	2.41	2.42	3.18
MAX	18	13	6.7	4.7	9.9	11	4.9	16	14	3.4	3.8	4.2
MIN	3.1	3.5	3.5	3.5	3.5	3.5	3.1	2.8	2.5	2.1	2.1	2.1
CFSM	2.26	2.31	2.10	1.91	2.19	2.22	1.86	2.36	2.25	1.20	1.20	1.58
IN.	2.61	2.57	2.43	2.20	2.28	2.57	2.07	2.72	2.51	1.38	1.39	1.77
CAL YR 1985	TOTAL	1721.6	MEAN 4.72	MAX 25	MIN 2.6	CFSM 2.35	IN 31.85					
WTR YR 1986	TOTAL	1431.9	MEAN 3.92	MAX 18	MIN 2.1	CFSM 1.95	IN 26.49					

MOBILE RIVER BASIN

02430085 RED BUD CREEK NEAR MOORES MILL, MS

LOCATION.--34°28'00", long 88°17'00", in SW¼SE¼ sec.18, T.7 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 03160101, near left bank on 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.--No estimated daily discharges. Records good.

AVERAGE DISCHARGE.--11 years, 24.9 ft³/s, 21.54 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,690 ft³/s, Dec. 3, 1983, gage height, 12.25 ft; minimum, 1.3 ft³/s, Sept. 29, 1986.

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)
Oct. 23	1630	451	9.33	June 11	2200	*669	*10.58

Minimum discharge, 1.3 ft³/s, Sept. 29; minimum gage height, 3.83 ft, Aug. 5.

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	11	107	36	12	9.5	12	13	5.0	39	5.5	2.2	3.2
2	6.3	34	17	11	8.0	12	12	4.9	40	6.2	2.2	3.4
3	5.3	38	14	10	8.2	12	12	4.7	27	5.7	2.2	3.4
4	5.0	24	14	9.7	11	11	11	4.5	17	4.8	2.2	3.6
5	4.6	18	13	8.9	16	11	11	4.5	20	4.3	2.2	5.3
6	4.6	16	12	9.1	11	11	11	4.4	57	4.1	2.4	4.0
7	4.6	14	12	8.9	10	11	10	4.3	63	3.9	3.6	3.2
8	4.6	12	11	8.3	9.9	10	11	4.3	57	3.7	5.8	2.9
9	4.8	11	9.6	9.0	11	10	10	4.2	50	3.8	4.3	2.8
10	5.1	11	9.7	9.0	13	11	9.3	4.0	46	3.4	4.0	2.7
11	5.4	10	15	9.2	12	10	9.1	9.4	201	3.3	4.4	3.3
12	5.6	9.6	23	9.2	11	53	8.8	9.6	164	3.2	3.8	18
13	6.6	10	26	9.0	12	62	8.5	6.5	58	3.1	3.4	3.7
14	13	10	16	9.1	46	29	8.2	5.7	32	3.5	3.3	2.9
15	33	10	14	9.1	32	23	7.8	5.2	22	8.2	3.3	2.7
16	9.4	39	13	9.3	20	19	7.4	4.8	16	4.8	9.8	2.5
17	7.0	20	13	9.0	112	17	7.5	4.5	14	3.5	5.8	2.5
18	6.8	15	12	9.7	97	32	7.3	13	11	3.3	4.0	2.5
19	6.9	14	11	17	51	124	7.0	24	9.9	3.3	3.4	2.8
20	6.8	13	12	12	34	46	8.9	8.8	9.0	3.1	3.9	2.5
21	7.4	12	11	11	26	33	10	6.6	8.0	2.9	3.1	2.3
22	7.0	12	12	11	21	29	7.9	10	7.3	2.8	2.9	2.2
23	149	10	12	9.6	19	25	7.2	10	6.7	2.7	2.9	2.2
24	56	12	11	10	18	22	6.9	13	6.2	2.7	2.6	2.1
25	22	12	9.5	12	16	20	6.5	41	6.9	2.6	2.6	1.9
26	17	12	9.5	12	16	18	6.3	47	5.8	2.5	2.7	1.8
27	17	15	10	10	15	17	5.9	84	5.4	2.5	3.0	1.7
28	19	24	10	10	13	15	5.5	126	6.4	2.4	5.0	1.6
29	13	14	9.5	11	---	15	5.3	50	7.2	2.4	3.0	1.5
30	13	13	9.5	10	---	14	5.1	25	6.0	2.3	3.0	1.5
31	30	---	14	10	---	13	---	17	---	2.2	3.0	---
TOTAL	506.8	571.6	421.3	315.1	678.6	747	257.4	565.9	1018.8	112.7	110.0	96.7
MEAN	16.3	19.1	13.6	10.2	24.2	24.1	8.58	18.3	34.0	3.64	3.55	3.22
MAX	149	107	36	17	112	124	13	126	201	8.2	9.8	18
MIN	4.6	9.6	9.5	8.3	8.0	10	5.1	4.0	5.4	2.2	2.2	1.5
CFSM	1.04	1.22	.87	.65	1.54	1.54	.55	1.17	2.17	.23	.23	.21
IN.	1.20	1.35	1.00	.75	1.61	1.77	.61	1.34	2.41	.27	.26	.23
CAL YR 1985	TOTAL	7529.0	MEAN	20.6	MAX	339	MIN	3.3	CFSM	1.31	IN	17.84
WTR YR 1986	TOTAL	5401.9	MEAN	14.8	MAX	201	MIN	1.5	CFSM	.94	IN	12.80

02430100 MACKEYS CREEK NEAR MOORES MILL, MS

LOCATION.--Lat 34°29'13", long 88°20'44", in SW¼NW¼ 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.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Elevation of gage is 330 ft from topographic map.

REMARKS.--Estimated daily discharges: Nov. 3-5. Records good. Flow regulated by Tennessee-Tombigbee Waterway minimum-flow structure.

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, 94 ft³/s, June 11, gage height 3.45 ft³/s, minimum daily discharge, 4.5 ft³/s, Oct. 11.

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	7.4	35	19	24	34	58	56	64	57	66	63	57
2	6.6	33	18	44	31	56	54	66	62	67	61	60
3	6.4	32	16	66	29	47	33	64	65	71	57	65
4	6.5	28	35	53	42	50	43	60	61	63	67	68
5	6.3	26	67	44	61	60	53	65	58	62	70	72
6	5.8	20	64	54	49	49	44	64	69	57	66	71
7	5.7	21	61	60	41	50	50	66	68	62	71	63
8	5.5	20	55	45	34	62	57	57	60	68	69	65
9	5.1	22	47	36	29	47	63	55	59	65	62	68
10	4.8	71	41	31	27	42	60	50	62	76	56	71
11	4.5	73	36	28	26	53	57	42	72	67	62	66
12	4.9	58	33	25	25	45	62	49	74	71	61	66
13	4.7	44	33	23	40	36	51	68	68	71	64	72
14	9.5	57	31	23	56	45	45	75	66	59	65	62
15	10	67	31	22	54	61	64	64	54	69	65	51
16	6.3	60	30	21	50	48	62	66	56	70	65	51
17	5.3	51	29	19	54	44	63	74	59	67	60	52
18	5.3	49	25	18	48	55	62	65	64	66	63	55
19	5.1	49	44	18	45	64	49	65	70	63	72	65
20	5.6	49	58	17	31	59	35	67	66	59	65	61
21	5.3	47	56	18	27	69	48	65	68	60	70	51
22	5.2	46	49	16	24	60	64	75	53	73	69	54
23	9.7	46	44	37	23	34	65	67	62	63	69	58
24	35	33	40	55	23	42	65	51	68	61	60	62
25	57	17	38	43	21	45	66	41	66	62	61	63
26	48	15	45	35	21	49	64	36	72	58	64	64
27	40	22	61	31	45	51	55	37	71	52	68	70
28	33	27	53	41	62	48	62	42	72	57	75	55
29	32	23	42	63	---	47	64	49	63	63	64	59
30	31	20	34	56	---	31	62	66	64	65	65	59
31	29	---	28	43	---	39	---	62	---	69	63	---
TOTAL	446.5	1161	1263	1109	1052	1546	1678	1837	1929	2002	2012	1856
MEAN	14.4	38.7	40.7	35.8	37.6	49.9	55.9	59.3	64.3	64.6	64.9	61.9
MAX	57	73	67	66	62	69	66	75	74	76	75	72
MIN	4.5	15	16	16	21	31	33	36	53	52	56	51
CAL YR 1985	TOTAL	11592.3	MEAN	31.8	MAX	73	MIN	4.5				
WTR YR 1986	TOTAL	17891.5	MEAN	49.0	MAX	76	MIN	4.5				

MOBILE RIVER BASIN

02430100 MACKEYS CREEK NEAR MOORES MILL, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.56	2.50	2.04	2.15	2.38	2.87	2.82	2.96	2.82	3.03	2.97	2.82
2	1.53	2.46	1.99	2.57	2.32	2.82	2.78	2.99	2.91	3.05	2.93	2.88
3	1.52	---	1.94	3.05	2.25	2.65	2.34	2.94	2.98	3.12	2.86	2.97
4	1.53	---	2.37	2.79	2.53	2.68	2.52	2.87	2.89	2.98	3.03	3.02
5	1.53	2.19	3.09	2.62	2.94	2.91	2.76	2.95	2.85	2.97	3.09	3.08
6	1.50	2.12	3.03	2.81	2.70	2.70	2.57	2.94	3.03	2.89	3.01	3.07
7	1.50	2.13	2.97	2.93	2.54	2.70	2.70	2.97	3.02	2.96	3.10	2.91
8	1.49	2.10	2.86	2.64	2.37	2.94	2.84	2.81	2.87	3.08	3.06	2.96
9	1.47	2.16	2.70	2.44	2.27	2.65	2.93	2.77	2.86	3.03	2.93	3.02
10	1.46	3.20	2.56	2.31	2.21	2.54	2.89	2.68	2.93	3.21	2.82	3.07
11	1.44	3.24	2.45	2.24	2.18	2.76	2.82	2.51	3.09	3.07	2.93	2.97
12	1.46	2.96	2.38	2.16	2.15	2.61	2.92	2.64	3.13	3.13	2.92	2.98
13	1.46	2.68	2.38	2.12	2.48	2.41	2.72	3.01	3.03	3.11	2.97	3.08
14	1.67	2.93	2.33	2.10	2.84	2.58	2.59	3.12	3.01	2.91	2.99	2.90
15	1.73	3.13	2.33	2.08	2.79	2.92	2.96	2.92	2.79	3.09	2.98	2.71
16	1.56	3.00	2.32	2.05	2.73	2.67	2.93	2.97	2.81	3.11	2.99	2.71
17	1.51	2.82	2.29	2.01	2.79	2.59	2.95	3.10	2.89	3.05	2.90	2.73
18	1.51	2.78	2.17	1.98	2.66	2.80	2.93	2.94	2.96	3.04	2.94	2.79
19	1.49	2.78	2.57	1.96	2.62	2.97	2.67	2.93	3.08	2.98	3.11	2.97
20	1.53	2.79	2.91	1.94	2.31	2.88	2.37	2.97	3.02	2.91	2.97	2.90
21	1.52	2.74	2.87	1.95	2.19	3.05	2.64	2.94	3.06	2.93	3.06	2.72
22	1.51	2.71	2.73	1.90	2.13	2.90	2.96	3.10	2.77	3.15	3.04	2.77
23	1.70	2.71	2.63	2.37	2.10	2.37	2.98	2.98	2.94	2.98	3.04	2.85
24	2.31	2.40	2.54	2.82	2.09	2.53	2.97	2.69	3.06	2.95	2.88	2.91
25	2.93	1.97	2.49	2.58	2.04	2.61	3.00	2.49	3.03	2.96	2.91	2.94
26	2.77	1.91	2.61	2.41	2.03	2.69	2.94	2.38	3.14	2.89	2.97	2.97
27	2.59	2.12	2.95	2.31	2.58	2.73	2.79	2.39	3.11	2.78	3.01	3.07
28	2.46	2.27	2.79	2.51	2.93	2.67	2.92	2.51	3.14	2.86	3.14	2.79
29	2.43	2.15	2.56	2.97	---	2.65	2.95	2.63	2.98	2.98	2.96	2.87
30	2.39	2.08	2.40	2.84	---	2.29	2.91	2.97	2.99	3.01	2.97	2.88
31	2.36	---	2.25	2.59	---	2.46	---	2.90	---	3.06	2.93	---
MEAN	1.79	---	2.53	2.39	2.43	2.70	2.80	2.84	2.97	3.01	2.98	2.91
MAX	2.93	---	3.09	3.05	2.94	3.05	3.00	3.12	3.14	3.21	3.14	3.08
MIN	1.44	---	1.94	1.90	2.03	2.29	2.34	2.38	2.77	2.78	2.82	2.71

MOBILE RIVER BASIN

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02430100 MACKEYS CREEK NEAR MOORES MILL, MS--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 1983 to July 1984.

pH: August 1983 to July 1984.

WATER TEMPERATURE: August 1983 to July 1984.

DISSOLVED OXYGEN: September 1983 to July 1984.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TRANS- PAR- ENCY (SECCHI DISK) (IN)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
NOV 13...	1645	44	127	7.60	19.0	>23.8	--	--
FEB 04...	0815	25	116	8.00	10.0	>24.6	11.0	99
MAR 17...	1500	42	92	7.30	16.5	>20.4	9.2	95
JUL 07...	1600	73	122	7.60	29.5	>30.2	7.2	95

MOBILE RIVER BASIN

02430615 MUD CREEK NEAR FAIRVIEW, MS

LOCATION.--Lat 34°23'32", long 88°21'17", in NW¼NE¼ sec.16, T.8 S., R.9 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, at left bank on downstream side of bridge on county road 3.0 mi 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: Feb. 24 to Mar. 11 and June 15 to July 8. Records fair.

AVERAGE DISCHARGE.--11 years, 16.5 ft³/s, 20.19 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 760 ft³/s, Dec. 3, 1983, maximum gage height, 9.50 ft, Dec. 3, 1983; minimum discharge, 1.3 ft³/s, Aug. 6, 1986, gage height, 3.74 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 250 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Mar. 19	0145	324	8.53	June 6	1600	439	8.86
June 1	2030	*516	*9.04				

Minimum discharge, 1.3 ft³/s, Aug. 6, gage height, 3.74 ft.

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	12	39	23	10	8.0	5.6	5.4	4.7	109	5.6	1.9	2.6
2	5.7	17	13	9.3	8.0	5.4	5.3	4.9	35	8.4	1.8	2.6
3	4.9	20	11	9.0	8.1	5.2	5.1	4.5	14	6.4	1.8	2.6
4	4.7	12	10	8.9	9.6	5.0	5.0	4.4	11	5.2	1.8	2.5
5	4.1	10	11	8.5	12	4.9	4.9	4.3	11	4.4	1.8	2.5
6	3.9	9.3	10	8.4	9.5	4.8	5.1	4.4	113	3.8	2.0	2.4
7	3.9	8.6	9.9	8.4	8.9	4.6	5.1	4.1	40	3.4	2.3	2.2
8	3.8	8.3	9.8	8.1	8.5	4.5	7.3	3.5	28	3.0	2.8	2.1
9	3.8	8.3	9.5	8.2	8.6	4.4	6.1	3.1	20	3.4	3.8	2.1
10	4.1	8.2	9.3	8.5	10	4.5	5.3	3.7	41	3.2	4.3	2.1
11	3.9	8.1	14	8.1	9.8	6.0	5.1	11	62	3.2	4.5	2.5
12	3.9	8.1	25	8.1	9.2	86	6.7	8.3	31	3.1	3.1	10
13	3.9	8.3	21	8.0	9.6	38	5.8	6.0	15	3.0	2.6	3.4
14	13	8.1	13	8.0	29	18	5.5	4.9	12	3.3	2.5	2.7
15	37	8.4	11	7.9	17	16	5.4	4.3	10	5.2	2.4	2.6
16	11	26	11	7.9	12	14	5.5	4.1	9.0	3.7	6.2	2.5
17	7.5	13	11	8.4	52	12	5.8	3.7	8.2	3.2	4.5	2.4
18	7.2	10	9.7	8.3	35	29	5.9	20	7.4	3.1	2.9	2.6
19	7.1	9.7	9.4	12	17	71	5.5	27	6.8	3.1	2.7	2.8
20	7.5	9.2	9.9	8.9	14	13	6.8	9.2	6.2	2.9	2.5	2.7
21	8.8	8.8	9.7	8.3	12	8.7	7.2	7.4	5.8	2.6	2.3	3.1
22	8.5	9.0	9.8	7.9	11	7.9	6.3	8.9	5.6	2.5	2.3	3.3
23	67	8.4	9.8	7.6	8.5	7.4	6.0	8.9	5.4	2.5	2.2	2.8
24	41	11	9.4	7.7	7.8	7.1	5.8	9.0	16	2.5	2.2	2.6
25	12	10	8.8	8.9	7.2	6.7	5.6	19	11	2.4	2.1	2.6
26	9.8	9.6	10	8.6	6.6	6.5	5.3	28	8.0	2.2	2.2	2.3
27	11	14	9.2	7.8	6.2	6.3	5.3	34	6.4	2.2	2.3	2.3
28	16	20	9.0	7.3	5.8	6.2	4.9	34	12	2.2	2.8	2.2
29	10	11	8.8	7.8	---	6.1	4.9	13	8.0	2.1	2.3	2.1
30	15	10	8.8	8.0	---	5.9	4.6	9.6	6.4	2.0	2.4	2.2
31	23	---	12	8.0	---	5.6	---	8.0	---	1.9	2.4	---
TOTAL	375.0	361.4	356.8	260.8	360.9	426.3	168.5	319.9	674.2	105.7	83.7	83.4
MEAN	12.1	12.0	11.5	8.41	12.9	13.8	5.62	10.3	22.5	3.41	2.70	2.78
MAX	67	39	25	12	52	86	7.3	34	113	8.4	6.2	10
MIN	3.8	8.1	8.8	7.3	5.8	4.4	4.6	3.1	5.4	1.9	1.8	2.1
CFSM	1.09	1.08	1.04	.76	1.16	1.24	.51	.93	2.03	.31	.24	.25
IN.	1.26	1.21	1.20	.87	1.21	1.43	.56	1.07	2.26	.35	.28	.28

CAL YR 1985 TOTAL 5335.1 MEAN 14.6 MAX 120 MIN 3.0 CFSM 1.32 IN 17.88
WTR YR 1986 TOTAL 3576.6 MEAN 9.80 MAX 113 MIN 1.8 CFSM .88 IN 11.99

02430680 TWENTYMILE CREEK NEAR GUNTOWN, MS

LOCATION.--Lat 34°27'11", long 88°34'37", in SW¼ sec.21, T.7 S., R.7 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160101, on downstream side of bridge on county road, and 6.0 mi southeast of Baldwyn, and 6.0 mi east of Guntown.

DRAINAGE AREA.--131 mi².

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: Mar. 19-25. Records good. U. S. Army Corps of Engineers telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,400 ft³/s, May 19, 1983, gage height, 28.86 ft, from flood-mark; minimum daily, 0.31 ft³/s, Oct. 5, 1985.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Mar. 12	2245	5,490	15.42	May 28	0400	*5,760	*15.62

Minimum daily discharge 0.74 ft³/s, Aug. 6.

REVISIONS.--The gage height for the peak greater than base discharge reported for Dec. 25, 1982 has been revised to 25.93 ft, superseding the figure published in the report for 1983.

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	83	341	548	33	15	28	28	5.0	36	19	1.0	2.9
2	29	106	176	31	15	26	26	6.1	29	19	.97	3.1
3	13	164	74	25	19	28	25	6.1	24	23	.85	2.8
4	8.5	95	56	23	18	25	24	6.0	21	14	.76	3.0
5	7.2	51	51	21	30	24	23	5.1	74	7.7	.75	16
6	6.7	41	49	20	27	24	24	5.0	2300	6.7	.74	9.0
7	6.5	36	41	20	21	22	20	5.3	2020	12	4.1	4.4
8	4.6	31	37	19	17	20	23	4.9	846	8.5	10	2.4
9	4.2	28	36	17	17	21	23	4.6	963	7.0	7.4	2.1
10	5.0	25	34	18	19	22	18	4.9	425	6.1	11	1.8
11	4.7	24	35	19	21	23	17	21	2220	5.7	333	1.5
12	4.2	24	56	19	19	767	17	24	718	5.6	45	2.6
13	4.3	23	113	18	18	1050	18	12	117	5.3	11	2.6
14	22	22	64	17	102	189	18	7.8	65	16	6.7	2.3
15	133	21	43	15	154	255	18	6.3	45	207	4.9	2.0
16	31	908	39	15	58	110	15	4.7	34	23	5.2	1.7
17	15	560	37	17	1460	76	15	3.8	44	11	47	1.6
18	10	294	34	19	954	87	15	4.7	114	6.8	13	1.4
19	8.8	103	29	30	200	4210	13	16	33	5.6	6.3	1.5
20	9.1	68	31	27	113	3520	14	17	23	4.7	3.9	1.5
21	26	50	31	22	82	320	19	7.2	18	3.4	2.4	1.6
22	19	43	31	20	63	76	18	5.3	14	2.6	2.1	1.6
23	1400	38	34	18	55	54	13	12	12	2.3	2.0	1.7
24	252	35	32	15	52	37	11	12	10	2.2	1.7	1.6
25	62	34	27	16	42	37	11	127	8.9	1.7	2.0	1.6
26	37	34	24	17	40	45	11	83	7.7	1.7	22	1.4
27	30	48	23	14	40	40	9.0	114	7.2	1.5	9.9	1.6
28	39	377	24	14	34	35	7.2	3530	114	1.6	72	1.5
29	35	90	24	14	---	33	6.3	274	69	1.4	13	1.4
30	31	56	23	17	---	32	5.8	88	23	1.3	6.4	1.0
31	688	---	27	18	---	31	---	49	---	1.1	3.9	---
TOTAL	3028.8	3770	1883	608	3705	11267	505.3	4471.8	10434.8	434.5	650.97	81.2
MEAN	97.7	126	60.7	19.6	132	363	16.8	144	348	14.0	21.0	2.71
MAX	1400	908	548	33	1460	4210	28	3530	2300	207	333	16
MIN	4.2	21	23	14	15	20	5.8	3.8	7.2	1.1	.74	1.0
CFSM	.75	.96	.46	.15	1.01	2.77	.13	1.10	2.66	.11	.16	.02
IN.	.86	1.07	.53	.17	1.05	3.20	.14	1.27	2.96	.12	.18	.02
CAL YR 1985	TOTAL	46060.40	MEAN 126	MAX 3520	MIN 1.6	CFSM .96	IN 13.08					
WTR YR 1986	TOTAL	40840.37	MEAN 112	MAX 4210	MIN .74	CFSM .86	IN 11.60					

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: Oct. 24 to Nov. 7. Records poor.

AVERAGE DISCHARGE.--11 years, 32.6 ft³/s, 23.15 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,570 ft³/s, Apr. 5, 1983, gage height, 11.03 ft; minimum, 3.1 ft³/s, Oct. 5, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 321 ft³/s, June 6, gage height, 9.83 ft; minimum, 2.7 ft³/s, Aug. 24, 27, Sept. 2, minimum gage height, 4.25 ft, July 20-28.

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	22	40	40	20	15	16	15	9.6	23	8.6	3.9	3.0
2	14	72	27	18	15	16	15	9.6	29	9.6	4.0	2.7
3	12	30	22	17	15	16	15	9.0	15	8.8	3.9	3.4
4	12	24	20	16	18	16	15	8.8	13	7.4	3.7	3.7
5	12	22	22	15	26	16	15	8.7	14	6.8	3.7	4.0
6	12	20	20	15	18	16	16	8.5	99	6.4	4.3	4.3
7	11	19	19	15	16	16	15	8.9	80	6.2	4.4	4.2
8	12	17	19	15	15	15	16	8.7	45	6.0	5.2	4.1
9	12	17	19	15	15	15	15	8.3	28	6.9	5.5	4.2
10	13	17	18	15	23	15	15	8.2	34	7.7	6.2	4.6
11	13	16	27	15	21	15	14	29	99	8.3	7.1	5.5
12	13	17	42	15	19	69	14	18	78	9.4	4.4	12
13	14	16	41	15	19	56	14	13	26	10	3.9	3.7
14	20	17	24	15	40	29	14	11	20	14	3.6	3.3
15	38	17	21	15	30	26	13	9.7	17	19	3.6	3.1
16	18	50	20	15	23	22	12	9.2	14	17	9.4	3.1
17	16	25	19	15	53	19	13	8.7	13	16	6.2	3.2
18	15	20	18	17	56	29	12	22	12	19	4.3	3.3
19	15	19	18	28	29	78	12	26	11	18	3.8	3.6
20	15	19	19	18	24	28	15	14	9.5	18	3.5	3.6
21	16	18	18	17	22	23	15	12	9.1	18	3.2	3.9
22	16	18	18	17	21	21	13	15	8.3	19	3.0	4.9
23	79	17	18	15	20	21	12	15	7.9	20	2.8	4.2
24	40	22	17	15	19	19	12	16	8.3	22	2.7	3.9
25	25	22	15	19	18	19	12	46	13	24	2.9	3.7
26	23	20	17	18	18	18	11	50	9.6	26	3.1	3.7
27	21	49	17	16	18	17	10	40	8.3	27	2.7	3.8
28	20	44	16	16	17	17	10	34	12	19	3.7	3.6
29	23	25	16	17	---	17	10	22	11	4.1	2.9	3.8
30	19	22	16	16	---	15	9.7	16	10	3.9	3.0	3.5
31	22	---	24	15	---	15	---	13	---	4.0	2.9	---
TOTAL	613	751	667	510	643	730	399.7	527.9	777.0	410.1	127.5	121.6
MEAN	19.8	25.0	21.5	16.5	23.0	23.5	13.3	17.0	25.9	13.2	4.11	4.05
MAX	79	72	42	28	56	78	16	50	99	27	9.4	12
MIN	11	16	15	15	15	15	9.7	8.2	7.9	3.9	2.7	2.7
CFSM	1.04	1.31	1.13	.86	1.20	1.23	.70	.89	1.36	.69	.22	.21
IN.	1.19	1.46	1.30	.99	1.25	1.42	.78	1.03	1.51	.80	.25	.24
WTR YR 1986	TOTAL	6277.8	MEAN	17.2	MAX	99	MIN	2.7	CFSM	.90	IN	12.23

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.

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.--Estimated daily discharges: Mar. 12-13. Records good. Some regulation by Tennessee-Tombigbee Waterway. Telemeter at station.

AVERAGE DISCHARGE.--56 years, (water years 1928-84) 971 ft³/s, 21.55 in/yr, prior to construction of Tennessee-Tombigbee Waterway.

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; 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)
June 12	1400	*4,010	*16.83				

Minimum daily discharge, 67 ft³/s, Sept. 18, 30.

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	235	940	401	189	147	215	214	113	724	158	81	84
2	255	888	944	197	135	202	219	118	697	150	72	79
3	158	680	565	177	130	198	220	122	762	155	72	79
4	113	693	372	191	134	193	194	118	713	156	69	83
5	96	477	315	183	157	180	179	111	497	128	71	86
6	87	355	320	167	215	194	194	110	757	116	79	121
7	81	272	296	159	194	202	198	108	1980	107	76	99
8	88	232	272	167	171	176	198	103	2450	102	117	84
9	113	207	258	156	154	177	221	100	2790	106	154	81
10	122	191	244	147	153	172	193	92	2770	98	136	87
11	126	208	235	147	167	165	177	105	2710	101	268	104
12	121	213	274	141	165	243	164	135	3760	95	449	149
13	109	203	419	134	155	1550	165	133	3280	94	151	92
14	145	185	451	131	174	1830	162	120	2500	96	110	88
15	432	181	331	127	475	1490	150	112	1530	274	98	79
16	590	356	278	126	442	1080	155	107	746	255	104	71
17	364	1020	256	121	788	662	151	98	386	135	201	68
18	215	989	237	122	1900	446	156	111	386	111	179	67
19	149	670	219	136	1960	1870	152	139	298	98	137	68
20	126	492	204	172	1450	2560	145	169	227	94	105	74
21	121	366	228	158	934	1920	139	135	192	87	91	76
22	129	298	227	144	552	1310	143	115	176	84	89	71
23	324	263	224	139	384	814	150	122	157	87	83	69
24	1430	245	223	132	309	537	145	141	144	86	87	72
25	1220	238	206	156	264	417	140	223	183	81	84	71
26	1090	217	182	158	233	364	136	333	154	79	77	74
27	789	214	173	144	222	326	134	594	146	80	97	71
28	494	539	188	133	217	300	124	1400	137	75	123	76
29	378	643	193	132	---	266	117	2890	438	72	139	69
30	286	423	178	154	---	253	120	2490	214	76	101	67
31	566	---	173	157	---	227	---	1500	---	74	88	---
TOTAL	10552	12898	9086	4697	12381	20539	4955	12267	31904	3510	3788	2459
MEAN	340	430	293	152	442	663	165	396	1063	113	122	82.0
MAX	1430	1020	944	197	1960	2560	221	2890	3760	274	449	149
MIN	81	181	173	121	130	165	117	92	137	72	69	67
CAL YR 1985	TOTAL	190098	MEAN 521	MAX 6110	MIN 65							
WTR YR 1986	TOTAL	129036	MEAN 354	MAX 3760	MIN 67							

02431000 TOMBIGBEE RIVER NEAR FULTON, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.98	12.13	9.02	7.48	7.10	7.75	7.75	6.76	11.02	7.21	6.40	6.44
2	8.18	11.88	12.15	7.56	6.98	7.64	7.79	6.81	10.89	7.13	6.31	6.39
3	7.23	10.81	10.12	7.38	6.93	7.60	7.80	6.85	11.25	7.18	6.30	6.39
4	6.70	10.87	8.85	7.51	6.96	7.56	7.57	6.81	10.98	7.19	6.27	6.43
5	6.46	9.57	8.43	7.44	7.19	7.43	7.42	6.74	9.73	6.91	6.29	6.47
6	6.31	8.72	8.47	7.30	7.75	7.56	7.56	6.73	11.06	6.79	6.38	6.84
7	6.21	8.05	8.28	7.23	7.56	7.63	7.59	6.71	15.10	6.70	6.35	6.62
8	6.29	7.69	8.08	7.31	7.35	7.40	7.60	6.66	15.78	6.65	6.78	6.44
9	6.63	7.45	7.96	7.20	7.17	7.40	7.81	6.63	16.13	6.69	7.17	6.41
10	6.74	7.29	7.85	7.10	7.16	7.35	7.56	6.54	16.11	6.60	6.99	6.48
11	6.77	7.46	7.78	7.10	7.31	7.28	7.40	6.68	16.03	6.63	7.97	6.65
12	6.68	7.51	8.11	7.04	7.29	---	7.27	6.98	16.73	6.57	9.38	7.12
13	6.50	7.41	9.21	6.97	7.18	---	7.28	6.96	16.51	6.56	7.14	6.53
14	6.95	7.23	9.43	6.94	7.36	14.84	7.26	6.83	15.82	6.58	6.73	6.48
15	9.31	7.19	8.59	6.90	9.56	14.10	7.13	6.75	14.10	8.04	6.60	6.39
16	10.41	8.44	8.17	6.89	9.40	12.74	7.18	6.70	11.12	8.04	6.66	6.28
17	8.88	12.49	8.00	6.84	11.02	10.69	7.14	6.60	9.04	6.98	7.59	6.25
18	7.61	12.36	7.83	6.85	14.96	9.43	7.19	6.73	9.02	6.74	7.40	6.24
19	6.92	10.74	7.67	6.99	15.09	14.39	7.15	7.02	8.42	6.60	7.00	6.25
20	6.62	9.68	7.55	7.36	13.99	15.89	7.08	7.33	7.86	6.56	6.68	6.33
21	6.53	8.80	7.77	7.22	12.08	15.02	7.02	6.97	7.55	6.48	6.53	6.35
22	6.62	8.27	7.77	7.06	10.06	13.56	7.05	6.78	7.39	6.44	6.51	6.28
23	7.95	7.97	7.75	7.02	9.03	11.50	7.13	6.85	7.20	6.48	6.43	6.26
24	13.96	7.81	7.75	6.95	8.51	9.97	7.07	7.04	7.07	6.47	6.48	6.30
25	13.33	7.75	7.59	7.20	8.17	9.24	7.02	7.76	7.46	6.41	6.45	6.29
26	12.81	7.55	7.37	7.21	7.91	8.90	6.98	8.68	7.18	6.38	6.36	6.32
27	11.37	7.52	7.29	7.07	7.82	8.63	6.97	10.30	7.09	6.40	6.59	6.29
28	9.69	9.80	7.44	6.96	7.77	8.44	6.87	13.61	7.00	6.34	6.85	6.35
29	8.89	10.58	7.49	6.94	---	8.17	6.80	16.22	9.34	6.30	7.02	6.26
30	8.16	9.21	7.36	7.18	---	8.07	6.83	15.81	7.74	6.35	6.63	6.24
31	9.89	---	7.32	7.21	---	7.86	---	14.02	---	6.33	6.50	---
MEAN	8.21	9.01	8.21	7.14	8.81	---	7.28	8.06	10.92	6.73	6.80	6.41
MAX	13.96	12.49	12.15	7.56	15.09	---	7.81	16.22	16.73	8.04	9.38	7.12
MIN	6.21	7.19	7.29	6.84	6.93	---	6.80	6.54	7.00	6.30	6.27	6.24
CAL YR 1985 MEAN 9.03 MAX 17.34 MIN 5.79												

MOBILE RIVER BASIN

43

02432500 BULL MOUNTAIN CREEK AT TREMONT, MS

LOCATION.--Lat 34°14'20", long 88°16'15", in NE¼SW¼ sec.5, T.10 S., R.10 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, in left bank on 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 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, 4.6 ft³/s, Sept. 13, 1954, gage height, 1.62 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 gage height and discharge not determined; minimum discharge, 8 ft³/s, Sept. 11; gage height, 2.04 ft.

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	35	---	82	119	55	83	90	33	137	62	9.5	11
2	72	---	111	93	55	79	87	31	---	48	9.7	12
3	52	199	90	84	56	77	85	30	---	46	9.7	13
4	43	164	81	79	57	74	81	28	167	44	9.7	13
5	37	133	78	75	82	70	78	27	132	36	9.9	12
6	33	114	78	70	113	68	76	26	154	31	9.1	12
7	29	101	72	68	95	66	73	26	---	27	9.4	12
8	28	91	70	66	84	63	72	25	---	25	14	10
9	27	82	68	62	77	61	79	24	---	21	25	9.1
10	26	78	66	62	74	59	75	23	---	19	38	8.5
11	26	73	66	63	86	64	68	86	---	18	31	8.4
12	26	69	101	61	85	71	66	150	---	18	25	14
13	26	66	198	58	76	---	65	95	---	20	21	37
14	25	64	171	57	80	---	62	66	---	19	17	21
15	126	63	136	56	150	185	59	50	170	42	16	14
16	124	74	119	54	133	152	55	42	138	50	17	12
17	72	118	109	54	126	131	52	37	112	31	24	11
18	56	92	100	54	---	118	53	35	95	25	28	11
19	49	80	91	79	---	---	51	58	80	22	21	28
20	47	74	86	87	---	---	54	56	70	20	17	19
21	45	67	85	71	184	191	56	41	62	18	16	17
22	45	64	80	65	153	157	56	36	53	15	17	34
23	82	62	80	60	135	143	48	41	45	14	16	49
24	---	58	79	56	121	134	45	52	40	14	14	22
25	152	61	74	58	110	122	43	---	149	13	12	16
26	108	61	68	77	102	114	43	---	99	13	11	13
27	90	71	65	71	98	109	41	---	65	13	10	12
28	88	108	67	61	91	103	38	---	51	11	12	11
29	89	88	66	60	---	99	36	---	53	11	14	10
30	76	76	63	62	---	96	34	---	66	10	12	9.5
31	91	---	71	57	---	94	---	158	---	9.2	11	---
TOTAL	---	---	2771	2099	---	---	1821	---	---	765.2	506.0	481.5
MEAN	---	---	89.4	67.7	---	---	60.7	---	---	24.7	16.3	16.1
MAX	---	---	198	119	---	---	90	---	---	62	38	49
MIN	---	---	63	54	---	---	34	---	---	9.2	9.1	8.4
CFSM	---	---	.66	.50	---	---	.45	---	---	.18	.12	.12
IN.	---	---	.76	.57	---	---	.50	---	---	.21	.14	.13

MOBILE RIVER BASIN

02433000 BULL MOUNTAIN CREEK NEAR SMITHVILLE, MS

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

DRAINAGE AREA.--336 mi².

PERIOD OF RECORD.--October 1940 to September 1984, October 1984 to September 1986 (high water records only).

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.--Daily discharges below 3,000 ft³/s not determined. No daily discharges above 3,000 ft³/s in 1986 water year.

AVERAGE DISCHARGE.--44 years (water years 1940-84), 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.--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)
May 10	2000	<3,000	10.07				

MOBILE RIVER BASIN

45

02433500 TOMBIGBEE RIVER AT BIGBEE, MS

LOCATION.--Lat 34°00'42", long 88°30'50", in SW¼NE¼ sec.25, T.12 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, near right bank on downstream side of bridge on State Highway 6, 0.2 mi 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.

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.--No estimated daily discharges. Records good. Some regulation by Tennessee-Tombigbee Waterway. Telemeter at station.

AVERAGE DISCHARGE.--31 years, (water years 1963-84) 2,157 ft³/s, 23.89 in/yr, prior to construction of Tennessee-Tombigbee Waterway.

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)
June 12	0945	*6,380	*11.61				

Minimum discharge, 102 ft³/s, Oct. 9, gage height, 2.48 ft.

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	226	1120	860	408	338	495	490	290	2010	413	223	252
2	299	1750	938	411	325	486	480	290	1830	344	237	247
3	324	1870	1180	414	310	472	477	287	1240	326	231	238
4	235	1230	855	380	310	460	465	286	1340	322	228	234
5	176	914	677	384	372	448	429	282	984	323	221	244
6	145	623	599	372	413	439	409	275	1160	292	224	247
7	125	470	592	353	444	447	420	275	2410	272	239	280
8	112	378	571	342	408	443	434	274	2650	258	252	261
9	107	330	542	345	377	417	426	277	2710	255	310	231
10	151	299	525	339	352	418	459	274	2890	259	381	133
11	169	268	513	327	365	419	421	314	3900	248	360	220
12	179	279	653	330	377	599	403	586	5170	249	504	250
13	271	289	1170	324	375	2670	386	376	4320	246	591	320
14	154	295	984	312	607	1960	381	341	4150	447	352	254
15	1540	273	783	311	801	2000	371	309	4140	273	292	238
16	994	315	597	303	877	1740	351	292	2450	433	285	229
17	731	802	520	297	925	1410	354	286	1450	427	371	216
18	460	1240	488	295	3800	1120	350	307	749	314	405	211
19	305	1240	449	323	2480	3120	357	520	629	280	369	212
20	226	973	428	347	2510	2430	358	390	511	260	316	212
21	340	737	409	375	1910	2680	344	390	435	246	285	225
22	174	570	445	358	1360	2230	333	342	388	242	263	235
23	999	489	441	335	999	1900	334	314	362	232	252	215
24	2750	441	435	324	745	1250	340	315	333	234	244	209
25	2000	423	423	321	623	931	340	682	338	235	260	206
26	1570	412	398	361	565	769	330	1260	389	226	248	206
27	1460	427	370	352	531	672	320	1380	338	229	234	212
28	1140	806	360	331	515	604	315	2660	749	227	257	215
29	701	1120	384	317	---	571	297	1800	400	224	276	219
30	532	1040	390	309	---	530	285	1790	574	215	307	210
31	597	---	402	334	---	513	---	2340	---	223	265	---
TOTAL	19192	21423	18381	10634	24014	34643	11459	19804	50999	8774	9282	6881
MEAN	619	714	593	343	858	1118	382	639	1700	283	299	229
MAX	2750	1870	1180	414	3800	3120	490	2660	5170	447	591	320
MIN	107	268	360	295	310	417	285	274	333	215	221	133

CAL YR 1985 TOTAL 379412 MEAN 1039 MAX 11600 MIN 107
WTR YR 1986 TOTAL 235486 MEAN 645 MAX 5170 MIN 107

MOBILE RIVER BASIN

02433500 TOMBIGBEE RIVER AT BIGBEE, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.10	5.20	4.75	3.92	3.71	4.04	4.02	3.43	6.74	3.89	3.18	3.25
2	3.36	6.16	4.88	3.93	3.67	4.01	4.00	3.43	6.38	3.69	3.23	3.23
3	3.45	6.37	5.29	3.94	3.62	3.97	3.99	3.42	5.42	3.63	3.21	3.20
4	3.13	5.35	4.74	3.84	3.62	3.94	3.96	3.41	5.57	3.61	3.20	3.18
5	2.88	4.84	4.43	3.85	3.81	3.91	3.86	3.40	4.96	3.61	3.17	3.22
6	2.73	4.32	4.29	3.81	3.93	3.89	3.80	3.38	5.90	3.50	3.17	3.23
7	2.62	3.97	4.27	3.76	4.02	3.91	3.83	3.37	8.93	3.43	3.23	3.35
8	2.54	3.71	4.22	3.72	3.92	3.90	3.87	3.37	8.89	3.37	3.28	3.28
9	2.51	3.56	4.15	3.73	3.83	3.83	3.85	3.38	8.32	3.36	3.48	3.16
10	2.76	3.46	4.11	3.71	3.75	3.83	3.94	3.37	8.65	3.38	3.71	2.70
11	2.85	3.35	4.08	3.67	3.79	3.83	3.84	3.51	9.41	3.33	3.65	3.11
12	2.89	3.39	4.41	3.68	3.83	4.30	3.79	4.15	10.71	3.33	4.00	3.23
13	3.21	3.43	5.28	3.66	3.82	8.68	3.74	3.71	9.55	3.31	4.23	3.48
14	2.77	3.44	5.00	3.62	4.19	6.95	3.72	3.60	9.33	3.83	3.62	3.25
15	5.74	3.37	4.68	3.62	4.70	7.08	3.69	3.49	9.28	3.42	3.41	3.18
16	4.95	3.50	4.36	3.59	4.84	6.44	3.63	3.43	7.39	3.87	3.39	3.15
17	4.46	4.62	4.20	3.57	5.08	5.89	3.64	3.41	5.89	3.89	3.67	3.10
18	3.85	5.38	4.13	3.57	10.49	5.20	3.62	3.48	4.62	3.55	3.77	3.07
19	3.39	5.38	4.03	3.66	7.93	10.03	3.65	4.03	4.42	3.43	3.66	3.07
20	3.10	4.95	3.98	3.74	7.52	7.87	3.65	3.75	4.17	3.35	3.50	3.07
21	3.38	4.53	3.92	3.82	6.70	7.71	3.61	3.75	3.98	3.30	3.39	3.12
22	2.87	4.22	4.02	3.77	5.78	7.16	3.57	3.60	3.85	3.28	3.31	3.16
23	4.42	4.02	4.01	3.70	4.99	6.63	3.57	3.51	3.77	3.23	3.26	3.08
24	7.60	3.89	4.00	3.66	4.55	5.52	3.59	3.51	3.67	3.24	3.23	3.06
25	6.55	3.84	3.96	3.65	4.33	4.87	3.59	4.38	3.68	3.24	3.29	3.05
26	5.88	3.81	3.89	3.78	4.21	4.59	3.56	5.38	3.84	3.21	3.24	3.05
27	5.72	3.85	3.81	3.75	4.13	4.42	3.53	5.89	3.68	3.21	3.19	3.06
28	5.23	4.64	3.78	3.68	4.09	4.30	3.51	8.08	4.45	3.20	3.28	3.07
29	4.47	5.20	3.85	3.64	---	4.22	3.45	6.75	3.85	3.19	3.34	3.09
30	4.13	5.06	3.87	3.61	---	4.12	3.41	6.51	4.29	3.15	3.46	3.05
31	4.25	---	3.90	3.69	---	4.08	---	7.12	---	3.17	3.31	---
MEAN	3.90	4.36	4.27	3.72	4.74	5.26	3.72	4.16	6.12	3.43	3.42	3.14
MAX	7.60	6.37	5.29	3.94	10.49	10.03	4.02	8.08	10.71	3.89	4.23	3.48
MIN	2.51	3.35	3.78	3.57	3.62	3.83	3.41	3.37	3.67	3.15	3.17	2.70
WTR YR 1986	MEAN	4.18	MAX	10.71	MIN	2.51						

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. 1-4 and July 19 to Aug. 6. Records good except for estimated daily discharges, which are poor. Discharge includes flow of Kings Creek. National Weather Service telemeter at station.

AVERAGE DISCHARGE.--16 years, 449 ft³/s, 26.17 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26,100 ft³/s, May 19, 1983, gage height, 27.39 ft; minimum, 1.2 ft³/s, Aug. 28, 1984, gage height, 2.47 ft.

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)
June 6	1930	*5,730	*19.73				

Minimum daily discharge, 1.5 ft³/s, Aug. 8.

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	17	239	275	50	22	53	68	18	195	52	2.3	6.7
2	16	143	241	40	22	49	65	32	157	31	2.2	6.0
3	15	167	95	37	22	48	63	18	124	39	2.1	5.4
4	14	143	74	37	30	45	59	11	83	31	2.0	4.7
5	11	104	69	32	56	43	63	9.0	445	22	2.0	5.5
6	9.8	90	60	26	48	41	59	8.1	2860	19	1.9	8.4
7	8.8	81	52	26	34	43	56	8.2	1710	16	1.9	8.2
8	8.0	71	45	24	28	47	67	7.7	950	15	1.5	7.5
9	7.6	64	48	24	30	49	61	8.1	1330	11	4.7	7.2
10	7.4	60	45	24	41	42	47	22	1180	9.2	13	7.1
11	7.0	58	53	24	49	43	41	151	1060	8.1	311	9.4
12	7.9	56	113	23	39	575	35	113	844	8.5	156	14
13	10	56	223	22	36	1140	44	43	466	8.3	86	52
14	102	50	116	21	126	310	46	25	356	6.9	46	36
15	362	43	75	22	231	246	43	19	287	25	21	24
16	78	191	67	21	95	170	39	16	236	16	34	19
17	43	244	58	28	1340	133	39	13	198	10	73	11
18	30	187	59	28	1500	392	35	17	167	7.5	27	13
19	27	130	52	37	398	1960	33	88	113	6.0	17	12
20	33	114	56	40	242	454	46	61	98	5.3	12	12
21	88	93	54	35	172	317	48	35	82	5.0	10	67
22	46	84	53	33	135	246	33	29	72	4.7	7.8	243
23	2040	76	55	28	111	179	31	30	62	4.1	6.3	34
24	717	71	52	26	93	136	27	33	144	3.8	5.5	18
25	205	67	40	28	79	134	24	190	146	3.5	4.9	17
26	136	57	33	28	72	125	19	120	27	3.2	7.6	19
27	104	66	34	22	67	103	16	353	21	3.0	25	20
28	120	115	34	20	64	92	14	1250	56	2.9	141	19
29	104	93	32	22	---	84	12	557	91	2.8	24	19
30	120	72	29	23	---	79	12	331	53	2.6	11	19
31	793	---	37	20	---	73	---	245	---	2.5	7.8	---
TOTAL	5287.5	3085	2329	871	5182	7451	1245	3861.1	13613	384.9	1067.5	744.1
MEAN	171	103	75.1	28.1	185	240	41.5	125	454	12.4	34.4	24.8
MAX	2040	244	275	50	1500	1960	68	1250	2860	52	311	243
MIN	7.0	43	29	20	22	41	12	7.7	21	2.5	1.5	4.7
CFSM	.73	.44	.32	.12	.79	1.03	.18	.54	1.95	.05	.15	.11
IN.	.84	.49	.37	.14	.83	1.19	.20	.62	2.17	.06	.17	.12
CAL YR 1985	TOTAL	71953.7	MEAN 197	MAX 4600	MIN 4.6	CFSM .85	IN 11.49					
WTR YR 1986	TOTAL	45121.1	MEAN 124	MAX 2860	MIN 1.5	CFSM .53	IN 7.20					

MOBILE RIVER BASIN

02435020 TOWN CREEK AT EASON BOULEVARD AT TUPELO, MS

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	3.90	4.07	3.05	2.89	3.03	3.09	2.78	3.70	2.97	2.46	2.63
2	---	3.40	3.93	3.00	2.89	3.01	3.08	2.90	3.51	2.85	---	2.61
3	---	3.52	3.23	2.99	2.89	3.00	3.07	2.79	3.35	2.89	---	2.60
4	---	3.39	3.11	2.99	2.94	2.99	3.05	2.71	3.14	2.84	2.46	2.59
5	2.68	3.18	3.09	2.96	3.08	2.98	3.07	2.68	4.79	2.78	2.39	2.61
6	2.67	3.11	3.05	2.92	3.03	2.97	3.05	2.67	11.95	2.75	2.45	2.67
7	2.64	3.06	3.01	2.92	2.96	2.98	3.04	2.67	9.76	2.72	2.45	2.67
8	2.62	3.02	2.99	2.90	2.93	3.00	3.09	2.66	6.87	2.71	2.43	2.65
9	2.62	2.98	3.00	2.90	2.94	3.01	3.05	2.66	8.19	2.67	2.52	2.65
10	2.61	2.97	2.99	2.91	3.00	2.97	2.99	2.79	7.86	2.64	2.66	2.65
11	2.60	2.97	3.04	2.91	3.04	2.98	2.96	3.49	7.41	2.61	4.26	2.68
12	2.62	2.95	3.34	2.90	2.99	5.00	2.93	3.31	6.58	2.62	3.51	2.73
13	2.65	2.96	3.84	2.89	2.98	7.44	2.97	2.96	5.03	2.62	3.16	2.98
14	3.14	2.93	3.36	2.88	3.40	4.26	2.98	2.85	4.50	2.59	2.96	2.91
15	4.49	2.90	3.16	2.89	3.90	3.94	2.97	2.79	4.15	2.77	2.80	2.84
16	3.09	3.64	3.12	2.89	3.27	3.60	2.95	2.76	3.89	2.73	2.85	2.78
17	2.91	3.93	3.08	2.94	7.82	3.43	2.95	2.73	3.71	2.66	3.09	2.70
18	2.83	3.64	3.09	2.94	8.78	4.28	2.93	2.77	3.56	2.61	2.85	2.72
19	2.81	3.36	3.05	3.00	4.70	10.14	2.92	3.18	3.29	2.59	2.76	2.71
20	2.84	3.29	3.07	3.01	3.93	4.97	2.98	3.04	3.21	2.57	2.71	2.70
21	3.13	3.17	3.06	2.99	3.62	4.30	2.99	2.91	3.12	2.56	2.68	2.99
22	2.91	3.13	3.05	2.98	3.45	3.94	2.92	2.87	3.06	2.56	2.64	3.92
23	9.77	3.09	3.07	2.94	3.34	3.64	2.90	2.88	3.01	2.56	2.62	2.88
24	6.12	3.07	3.05	2.93	3.24	3.45	2.88	2.89	3.39	---	2.60	2.76
25	3.72	3.04	2.99	2.95	3.17	3.44	2.86	3.68	3.43	---	2.58	2.74
26	3.37	3.01	2.94	2.95	3.13	3.40	2.81	3.34	2.83	---	2.63	2.76
27	3.20	3.06	2.97	2.90	3.11	3.29	2.78	4.41	2.78	---	2.73	2.77
28	3.29	3.31	2.98	2.87	3.09	3.23	2.76	7.87	2.97	---	3.43	2.76
29	3.19	3.21	2.96	2.89	---	3.19	2.74	5.43	3.16	---	2.82	2.76
30	3.28	3.09	2.94	2.90	---	3.16	2.73	4.37	2.97	---	2.70	2.75
31	6.37	---	2.99	2.87	---	3.12	---	3.93	---	2.41	2.65	---
MEAN	---	3.21	3.15	2.93	3.59	3.81	2.95	3.28	4.64	---	---	2.77
MAX	---	3.93	4.07	3.05	8.78	10.14	3.09	7.87	11.95	---	---	3.92
MIN	---	2.90	2.94	2.87	2.89	2.97	2.73	2.66	2.78	---	---	2.59

02436500 TOWN CREEK NEAR NETTLETON, MS

LOCATION.--Lat 34°03'32", long 88°37'40", in NW¼ sec.12, T.12 S., R.6 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160102, on right bank at downstream side of bridge on U.S. Highway 45, 1.5 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.--No estimated daily discharges. Records good.

AVERAGE DISCHARGE.--47 years, 961 ft³/s, 21.05 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)
Feb. 17	2315	15,200	21.44	June 6	1630	15,800	*21.82
Mar. 19	0100	*19,600	21.47				

Minimum daily discharge, 12 ft³/s, Aug. 4.

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	111	923	609	177	85	214	176	56	432	265	14	24
2	90	459	863	144	85	197	172	59	350	119	13	24
3	55	455	345	133	83	186	161	57	294	106	13	24
4	44	430	250	126	89	172	144	47	215	87	12	23
5	36	272	230	120	250	164	140	42	519	71	13	22
6	31	226	213	107	163	156	131	42	6220	60	13	26
7	29	198	184	117	125	145	126	41	2600	54	14	26
8	31	173	165	112	107	137	143	40	4230	50	15	24
9	31	155	156	113	100	139	142	40	2910	43	30	24
10	29	143	153	120	122	132	114	41	3340	42	70	24
11	29	134	421	119	163	128	103	307	2860	38	340	24
12	29	130	1440	111	147	1930	99	394	2890	36	202	47
13	28	125	1910	107	143	4760	102	136	1480	34	103	39
14	54	118	632	104	430	1590	109	89	1120	31	60	50
15	1820	113	366	106	937	1370	105	71	849	35	37	36
16	282	422	302	105	388	675	95	63	595	44	30	36
17	115	696	261	110	3680	473	93	57	461	32	84	28
18	82	412	231	105	7250	671	92	71	368	28	49	30
19	70	288	196	125	1830	8800	85	168	314	27	32	33
20	69	221	198	121	1100	1760	95	147	244	25	26	27
21	236	185	190	108	770	1100	108	87	192	22	23	32
22	118	172	186	103	598	807	90	72	137	22	22	589
23	4440	156	191	95	494	614	81	78	119	20	20	78
24	2860	151	172	91	422	476	77	70	133	19	19	41
25	723	173	149	104	358	401	72	332	590	19	18	35
26	412	154	142	111	323	342	66	372	115	19	19	32
27	298	450	149	86	281	289	61	1730	80	16	31	32
28	373	1040	139	83	242	247	58	2800	143	15	211	31
29	317	386	131	102	---	225	58	1290	293	16	67	30
30	254	240	127	95	---	209	62	775	152	14	33	30
31	2360	---	151	86	---	192	---	546	---	14	26	---
TOTAL	15456	9200	10852	3446	20765	28701	3160	10120	34245	1423	1659	1521
MEAN	499	307	350	111	742	926	105	326	1142	45.9	53.5	50.7
MAX	4440	1040	1910	177	7250	8800	176	2800	6220	265	340	589
MIN	28	113	127	83	83	128	58	40	80	14	12	22
CFSM	.81	.50	.57	.18	1.20	1.49	.17	.53	1.84	.07	.09	.08
IN.	.93	.55	.65	.21	1.25	1.72	.19	.61	2.05	.09	.10	.09

CAL YR 1985	TOTAL	248621	MEAN 681	MAX 15700	MIN 23	CFSM 1.10	IN 14.92
WTR YR 1986	TOTAL	140548	MEAN 385	MAX 8800	MIN 12	CFSM .62	IN 8.43

MOBILE RIVER BASIN

02436500 TOWN CREEK NEAR NETTLETON, MS--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TRANS- PAR- ENCY (SECCHI DISK) (IN)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
NOV 12...	1500	126	334	8.20	22.0	>21.6	9.1	104
FEB 03...	1430	82	387	8.60	17.0	>24.0	12.8	133
MAR 18...	0800	420	288	7.70	16.0	7.20	8.2	84
JUL 08...	0900	51	375	8.50	28.5	>24.0	10.2	131

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 07...	1100	29	298	23	99
NOV 22...	1100	170	216	99	92
JAN 06...	1115	105	247	70	92
FEB 18...	1030	10200	1230	33900	82
MAR 28...	1100	246	67	45	96
MAY 01...	1040	57	17	2.6	81
JUN 06...	1045	989	275	734	88
06...	1200	928	5000	12500	80
06...	1445	11500	3480	108000	80
06...	1700	14700	2270	90100	73
06...	1900	12300	--	--	--
07...	0800	5410	1120	16400	66
07...	1530	2870	913	7070	83
21...	0940	194	74	39	87
SEP 15...	1100	37	24	2.4	88

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM	BED MAT. SIEVE DIAM. % FINER THAN .125 MM	BED MAT. SIEVE DIAM. % FINER THAN .250 MM	BED MAT. SIEVE DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM
JUN 07...	1532	25.0	1	4	34	93	100
07...	1534	50.0	1	1	11	84	100
07...	1536	75.0	0	1	18	87	100

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .002 MM	SED. SUSP. FALL DIAM. % FINER THAN .004 MM	SED. SUSP. FALL DIAM. % FINER THAN .008 MM	SED. SUSP. FALL DIAM. % FINER THAN .016 MM	SED. SUSP. FALL DIAM. % FINER THAN .031 MM	SED. SUSP. FALL DIAM. % FINER THAN .062 MM	SED. SUSP. FALL DIAM. % FINER THAN .125 MM	SED. SUSP. FALL DIAM. % FINER THAN .250 MM	SED. SUSP. FALL DIAM. % FINER THAN .500 MM
JUN 06...	1900	31	38	44	53	62	73	85	96	100

02437000 TOMBIGBEE RIVER NEAR AMORY, MS

LOCATION.--Lat 33°59'07", long 88°33'03", in NW¼NE¼ sec.3, T.13 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, near right bank on downstream side of bridge on U.S. Highway 278, 0.3 mi 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.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1504: 1948. 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.--No estimated daily discharges. Records good. Discharges below 1,000 ft³/s not determined. Some regulation by Tennessee-Tombigbee Waterway. 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 discharge, 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 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. 18	1030	*15,500	*21.15	Mar. 19	1330	15,400	20.31

Minimum daily discharge, not determined.

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	---	2650	1280		---	---		---	3330			
2	---	2660	2280		---	---		---	3000			
3	---	2650	1550		---	---		---	2000			
4	---	1950	1000		---	---		---	2070			
5	---	1290	---		---	---		---	1270			
6	---	---	---		---	---		---	5230			
7	---	---	---		---	---		---	10100			
8	---	---	---		---	---		---	9060			
9	---	---	---		---	---		---	6730			
10	---	---	---		---	---		---	7250			
11	---	---	---		---	---		---	7200			
12	---	---	2340		---	1380		1080	9290			
13	---	---	3550		---	8470		---	6490			
14	---	---	2250		---	3940		---	5950			
15	2970	---	1230		2350	4160		---	5610			
16	1490	---	---		1600	2980		---	4070			
17	---	1660	---		3260	2520		---	2850			
18	---	2010	---		13300	2270		---	1350			
19	---	1540	---		5730	12100		---	---			
20	---	---	---		4070	5670		---	---			
21	---	---	---		3360	4050		---	---			
22	---	---	---		2650	3630		---	---			
23	3010	---	---		1930	3120		---	---			
24	6770	---	---		1080	2410		---	---			
25	3060	---	---		---	1750		1010	---			
26	2510	---	---		---	1250		1680	---			
27	2130	---	---		---	---		3230	---			
28	1750	2160	---		---	---		5900	1160			
29	1050	1490	---		---	---		4200	---			
30	---	1200	---		---	---		3320	---			
31	2920	---	---		---	---		3390	---			
TOTAL	---	---	---		---	---		---	---			
MEAN	---	---	---		---	---		---	---			
MAX	---	---	---		---	---		---	---			
MIN	---	---	---		---	---		---	---			
CFSM	---	---	---		---	---		---	---			
IN.	---	---	---		---	---		---	---			

MOBILE RIVER BASIN

02437000 TOMBIGBEE RIVER NEAR AMORY, MS

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.24	12.18	11.61	11.37	11.37	11.38	11.43	11.29	12.69	11.41	11.26	11.28
2	11.29	12.20	11.92	11.39	11.34	11.40	11.41	11.24	12.37	11.31	11.25	11.30
3	11.28	12.18	11.70	11.35	11.36	11.39	11.40	11.30	11.78	11.36	11.17	11.28
4	11.26	11.84	11.53	11.33	11.39	11.33	11.40	11.31	11.90	11.29	11.19	11.28
5	11.27	11.62	11.43	11.36	11.41	11.41	11.38	11.33	11.62	11.26	11.24	11.28
6	11.25	11.47	11.41	11.35	11.41	11.37	11.37	11.35	13.88	11.34	11.22	11.30
7	11.28	11.38	11.40	11.34	11.36	11.34	11.33	11.31	17.29	11.29	11.23	11.32
8	11.22	11.35	11.42	11.31	11.30	11.35	11.36	11.28	16.71	11.26	11.29	11.23
9	11.27	11.38	11.38	11.32	11.29	11.43	11.33	11.32	15.32	11.32	11.34	11.30
10	11.26	11.38	11.40	11.34	11.29	11.43	11.37	11.36	15.65	11.29	11.33	11.31
11	11.30	11.32	11.47	11.32	11.32	11.37	11.35	11.39	15.63	11.31	11.38	11.30
12	11.24	11.29	11.96	11.36	11.32	11.82	11.30	11.55	16.88	11.24	11.39	11.27
13	11.32	11.34	13.05	11.27	11.36	16.74	11.42	11.37	15.16	11.29	11.43	11.30
14	11.28	11.33	11.92	11.33	11.50	13.59	11.38	11.35	14.79	11.30	11.27	11.25
15	12.69	11.36	11.61	11.34	12.03	13.77	11.29	11.35	14.55	11.25	11.31	11.26
16	11.68	11.41	11.49	11.31	11.71	12.70	11.29	11.24	13.32	11.33	11.33	11.29
17	11.44	11.72	11.42	11.31	12.96	12.22	11.31	11.28	12.19	11.30	11.29	11.25
18	11.36	11.80	11.41	11.31	19.11	11.94	11.29	11.29	11.62	11.31	11.29	11.19
19	11.27	11.69	11.35	11.32	14.78	18.59	11.35	11.30	11.49	11.29	11.28	11.16
20	11.33	11.47	11.39	11.31	13.54	14.86	11.36	11.34	11.41	11.26	11.24	11.12
21	11.35	11.42	11.36	11.39	12.90	13.67	11.30	11.31	11.39	11.27	11.31	11.22
22	11.27	11.37	11.45	11.32	12.21	13.29	11.31	11.30	11.35	11.24	11.29	11.48
23	12.91	11.42	11.38	11.32	11.78	12.80	11.30	11.37	11.40	11.23	11.26	11.30
24	15.40	11.38	11.35	11.31	11.56	12.07	11.28	11.31	11.38	11.29	11.28	11.34
25	12.58	11.36	11.33	11.30	11.50	11.75	11.30	11.50	11.48	11.29	11.29	11.26
26	12.04	11.33	11.42	11.33	11.49	11.62	11.35	11.78	11.35	11.29	11.31	11.23
27	11.87	11.47	11.37	11.24	11.40	11.52	11.30	12.60	11.34	11.37	11.28	11.28
28	11.74	11.90	11.33	11.34	11.38	11.47	11.33	14.80	11.56	11.21	11.32	11.37
29	11.54	11.69	11.35	11.33	---	11.48	11.33	13.46	11.46	11.23	11.27	11.31
30	11.41	11.60	11.36	11.29	---	11.45	11.31	12.69	11.42	11.24	11.30	11.31
31	12.62	---	11.42	11.34	---	11.42	---	12.74	---	11.25	11.30	---
MEAN	11.69	11.56	11.53	11.33	12.05	12.39	11.34	11.66	13.01	11.29	11.29	11.28
MAX	15.40	12.20	13.05	11.39	19.11	18.59	11.43	14.80	17.29	11.41	11.43	11.48
MIN	11.22	11.29	11.33	11.24	11.29	11.33	11.28	11.24	11.34	11.21	11.17	11.12
CAL YR 1985	MEAN 11.99		MAX 22.58	MIN 11.20								
WTR YR 1986	MEAN 11.70		MAX 19.11	MIN 11.12								

02437000 TOMBIGBEE RIVER NEAR AMORY, MS--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TRANS- PAR- ENCY (SECCHI DISK) (IN)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
NOV 14...	1030	483	194	7.60	18.5	21.6	--	--
FEB 05...	1000	689	227	8.00	14.5	21.0	9.6	95
MAR 18...	1200	2240	157	7.50	17.0	13.2	8.0	83
JUL 08...	1200	570	175	8.80	31.5	14.0	8.0	108

02439400 BUTTAHATCHEE RIVER NEAR ABERDEEN, MS

LOCATION.--Lat 33°47'24", long 88°18'53", in NW¼ sec.3, T.15 S., R.17 W., Huntsville Meridian, Monroe County, Hydrologic Unit 03160103, near right bank on downstream side of bridge on county highway, 10.0 mi downstream from Sipsey Creek, 13.7 mi southeast of Aberdeen, and 28.6 mi upstream from the mouth.

DRAINAGE AREA.--799 mi².

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: Jan. 8-20, Jan. 22-26, and Jan. 29 to Feb. 4. Records good. U. S. Army Corps of Engineers telemeter at station.

AVERAGE DISCHARGE.--20 years, 1,441 ft³/s, 24.49 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 80,000 ft³/s, Mar. 17, 1973, gage height, 33.48 ft, observed at crest; minimum discharge, 115 ft³/s, Aug. 6-8, 1986; minimum gage height, 4.26 ft, Sept. 16, 1972.

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)
Feb. 21	0700	*4,390	*13.27				

Minimum discharge, 115 ft³/s, Aug. 6-8, gage height, 4.49 ft.

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	365	1100	480	649	431	798	698	293	3410	399	140	168
2	697	2040	508	930	423	728	663	281	1730	456	134	161
3	916	2750	630	781	415	691	636	271	1550	420	129	163
4	638	2460	580	677	471	670	611	264	1030	372	124	167
5	485	1380	522	622	729	643	584	254	785	334	121	170
6	402	998	496	582	1290	614	557	248	734	295	118	187
7	352	835	482	548	1330	593	537	245	1040	270	115	336
8	323	738	461	519	1010	577	534	244	1310	261	115	277
9	309	668	444	487	837	550	549	241	1430	261	126	205
10	298	612	438	479	759	534	533	238	1800	235	229	172
11	293	576	474	471	836	530	505	245	2070	222	371	157
12	292	553	816	463	1050	573	471	291	2050	212	364	159
13	286	544	1410	455	945	1320	458	550	2450	207	338	189
14	277	542	1740	447	833	2210	453	572	3070	204	256	216
15	278	540	1610	431	954	2890	442	428	3110	204	204	186
16	285	540	1160	415	1330	3820	443	336	1350	220	185	166
17	318	556	948	407	1260	2630	405	291	932	246	186	156
18	326	626	838	407	2050	1540	389	272	750	232	199	150
19	301	609	756	423	3330	2120	388	268	679	214	226	219
20	290	558	690	487	4110	2460	381	290	606	242	201	238
21	306	519	649	539	4070	2750	392	322	515	222	182	194
22	352	490	625	487	2590	2960	418	290	459	200	178	181
23	448	471	604	455	1560	1980	409	266	418	187	186	287
24	577	462	592	415	1260	1360	375	264	379	177	165	271
25	987	457	573	423	1090	1170	357	403	347	170	154	213
26	847	454	538	495	985	1040	349	1470	366	170	146	182
27	673	449	506	617	913	955	336	1970	375	166	155	166
28	805	456	492	578	861	888	325	2370	329	167	208	155
29	861	480	497	495	---	828	320	2910	315	169	237	149
30	789	491	491	463	---	778	304	3080	358	157	213	144
31	701	---	515	447	---	740	---	3150	---	147	187	---
TOTAL	15077	23954	21565	16094	37722	41940	13822	22617	35747	7438	5892	5784
MEAN	486	798	696	519	1347	1353	461	730	1192	240	190	193
MAX	987	2750	1740	930	4110	3820	698	3150	3410	456	371	336
MIN	277	449	438	407	415	530	304	238	315	147	115	144
CFSM	.61	1.00	.87	.65	1.69	1.70	.58	.92	1.49	.30	.24	.24
IN.	.70	1.12	1.01	.75	1.76	1.96	.64	1.05	1.67	.35	.27	.27

CAL YR 1985 TOTAL 407031 MEAN 1115 MAX 32100 MIN 221 CFSM 1.40 IN 18.97
WTR YR 1986 TOTAL 247652 MEAN 678 MAX 4110 MIN 115 CFSM .85 IN 11.54

02441000 TIBBEE CREEK NEAR TIBBEE, MS

LOCATION.--Lat 33°32'17", long 88°38'00", in SW¼ sec.4, T.19 N., R.16 E., Choctaw Meridian, Clay County, Hydrologic Unit 03160104, on right bank 10 ft 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.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1928 to September 1930, October 1939 to January 1981, February 1981 to current year (high water records only). Monthly discharge only for September 1930 and October 1939, published in WSP 1034. Prior to October 1950, published as Tibbee River near Tibbee.

REVISED RECORDS.--WSP 1504: 1929-30. 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 daily discharges. Records good. Discharges below 500 ft³/s not determined. 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)
Mar. 20	1500	*5,190	*18.30				

Minimum discharge, not determined.

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	---	1950	---		---	---		---	---			
2	---	2220	---		---	---		---	---			
3	---	1030	---		---	---		---	---			
4	---	506	---		---	---		---	---			
5	---	---	---		---	---		---	---			
6	---	---	---		---	---		---	674			
7	---	---	---		---	---		---	1290			
8	---	---	---		---	---		---	1970			
9	---	---	---		---	---		---	2180			
10	---	---	---		---	---		---	2110			
11	---	---	---		---	---		---	2600			
12	---	---	1970		---	---		---	3160			
13	---	---	3570		---	1910		---	2770			
14	---	---	4900		---	3070		---	1150			
15	---	---	4730		564	3680		---	---			
16	---	---	2840		691	2530		---	---			
17	---	---	816		505	810		---	---			
18	---	---	---		1430	567		---	---			
19	---	---	---		2180	3080		---	---			
20	---	---	---		2530	4860		---	---			
21	---	---	---		1890	4850		---	---			
22	---	---	---		583	4820		---	---			
23	---	---	---		---	2140		---	---			
24	1170	---	---		---	554		---	---			
25	1620	---	---		---	---		---	---			
26	1190	---	---		---	---		---	---			
27	---	---	---		---	---		674	---			
28	1840	---	---		---	---		523	---			
29	2090	---	---		---	---		760	---			
30	1380	---	---		---	---		535	---			
31	1430	---	---		---	---		---	---			
TOTAL	---	---	---		---	---		---	---			
MEAN	---	---	---		---	---		---	---			
MAX	---	---	---		---	---		---	---			
MIN	---	---	---		---	---		---	---			
CF SM	---	---	---		---	---		---	---			
IN.	---	---	---		---	---		---	---			

MOBILE RIVER BASIN

02441000 TIBBEE CREEK NEAR TIBBEE, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1974-75, 1977-80, 1983 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TRANS- PAR- ENCY (SECCHI DISK) (IN)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
NOV 15...	1430	107	297	7.40	20.0	5.40	8.7	95
FEB 06...	0830	627	320	7.70	15.0	6.00	8.8	88
MAR 19...	0800	3150	170	8.00	17.0	4.80	6.9	72
JUL 09...	1630	93	226	8.40	34.0	12.6	8.4	119

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).

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.--71 years, 6,593 ft³/s, 20.17 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, 32,000 ft³/s, Mar. 19, gage height 63.05 ft; minimum daily discharge, 289 ft³/s, July 31.

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	2250	7670	2760	2310	1530	2150	2520	1100	7070	2510	510	687
2	2110	7470	4500	2260	1680	2380	2300	1160	6950	2030	497	957
3	1210	7190	2640	2430	1510	2660	2930	726	4610	1720	613	640
4	1620	6660	2820	2370	2250	2430	1910	932	4530	2150	387	1000
5	1880	5230	2140	1970	3900	1870	1690	826	3940	678	449	1160
6	1080	3360	2010	1820	3430	1800	1910	394	6740	1720	326	1160
7	891	3070	1840	1560	2800	2400	2740	1050	15900	1450	306	968
8	734	2540	1740	1910	3480	1540	1570	927	14500	415	346	841
9	683	2350	2060	1450	2230	2350	1680	570	13800	756	661	639
10	907	2480	1620	2080	2480	1970	1520	1120	12600	1050	1750	538
11	664	1650	4520	1540	2650	1870	1940	1880	15100	1340	1890	416
12	1100	2990	10400	1980	2740	4280	1520	2760	17800	558	1210	1300
13	1490	664	14200	1590	2190	17400	2060	1810	13300	730	1790	646
14	797	1900	10400	1260	2300	11400	1450	1610	10300	1770	679	916
15	5560	1780	8700	1900	4450	13300	1480	1430	9680	1290	621	447
16	3260	2460	7690	1540	4090	10100	1810	1200	7900	1370	1160	523
17	2180	3680	3630	1430	6350	7750	629	887	4930	840	1010	954
18	1460	3880	3440	1680	19700	6240	1440	2410	3090	1380	999	546
19	1740	2990	2240	1870	15600	25900	1380	1870	2520	863	1080	471
20	1720	2870	2990	1870	11400	19500	1880	900	1970	1170	449	696
21	1820	2510	1980	1680	10600	13600	953	1070	2470	925	353	802
22	3190	1590	2350	1940	8350	12900	1710	1260	1960	966	992	1880
23	6590	2040	2440	1810	5410	10500	856	1350	1050	389	348	320
24	17000	1890	2200	1650	4630	5800	1330	1370	2010	525	735	367
25	7750	2500	2150	2050	3410	4610	1020	2030	1820	786	381	763
26	5760	1610	1610	1870	3490	3890	1410	4430	1410	488	510	420
27	6820	2020	1660	1470	2870	3490	1300	8890	1700	878	690	438
28	9730	3600	1640	1530	3390	2780	1430	10100	2710	772	1170	537
29	6230	3280	1430	1870	---	3240	712	9360	2400	646	482	601
30	4560	2870	1420	1750	---	2620	1310	7700	2420	369	826	457
31	8400	---	3120	1340	---	2960	---	7470	---	289	688	---
TOTAL	111186	96794	114340	55780	138910	205680	48390	80592	197180	32823	23908	22090
MEAN	3587	3226	3688	1799	4961	6635	1613	2600	6573	1059	771	736
MAX	17000	7670	14200	2430	19700	25900	2930	10100	17800	2510	1890	1880
MIN	664	664	1420	1260	1510	1540	629	394	1050	289	306	320
CFSM	.81	.73	.83	.41	1.12	1.49	.36	.59	1.48	.24	.17	.17
IN.	.93	.81	.96	.47	1.16	1.72	.41	.68	1.65	.28	.20	.19

CAL YR 1985 TOTAL 1837082 MEAN 5033 MAX 52700 MIN 190 CFSM 1.13 IN 15.39
WTR YR 1986 TOTAL 1127673 MEAN 3090 MAX 25900 MIN 289 CFSM .70 IN 9.45

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.

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.

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 NGVD of 1929.

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

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 1,100 ft upstream (corresponding stage at gage about 44 ft) discharge 268,000 ft³/s estimated by U. S. Army Corps of Engineers.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.90	8.57	7.61	7.60	7.47	7.48	7.53	7.38	8.39	7.56	7.38	7.43
2	7.95	8.69	7.74	7.56	7.53	7.57	7.50	7.32	8.32	7.48	7.37	7.40
3	7.88	8.74	7.58	7.58	7.51	7.53	7.62	7.29	7.83	7.50	7.33	7.35
4	7.93	8.37	7.61	7.55	7.72	7.46	7.57	7.41	7.86	7.50	7.36	7.41
5	7.92	8.04	7.50	7.42	7.76	7.59	7.50	7.42	7.75	7.39	7.38	7.42
6	7.88	7.77	7.51	7.54	7.72	7.38	7.47	7.42	8.21	7.54	7.39	7.42
7	7.88	7.65	7.51	7.40	7.63	7.50	7.60	7.44	10.35	7.44	7.34	7.41
8	7.87	7.57	7.49	7.43	7.73	7.47	7.47	7.43	10.07	7.36	7.36	7.42
9	7.93	7.59	7.56	7.46	7.50	7.64	7.42	7.39	9.87	7.42	7.40	7.40
10	7.87	7.57	7.47	7.47	7.52	7.60	7.42	7.48	9.58	7.43	7.52	7.49
11	7.90	7.45	7.92	7.43	7.49	7.50	7.48	7.47	10.20	7.45	7.45	7.40
12	7.88	7.68	9.07	7.48	7.55	7.83	7.49	7.59	10.98	7.34	7.37	7.43
13	7.93	7.51	10.56	7.44	7.62	10.94	7.49	7.45	9.90	7.38	7.46	7.37
14	7.89	7.52	9.64	7.41	7.71	10.21	7.48	7.50	9.19	7.49	7.40	7.43
15	8.41	7.51	9.25	7.49	7.84	10.74	7.40	7.48	8.92	7.36	7.44	7.39
16	7.14	7.55	8.79	7.47	7.90	9.69	7.40	7.50	8.51	7.40	7.44	7.41
17	7.95	7.71	7.90	7.46	8.17	8.86	7.36	7.49	7.90	7.44	7.36	7.45
18	7.94	7.79	7.73	7.46	11.14	8.42	7.45	7.55	7.53	7.44	7.37	7.47
19	7.92	7.62	7.56	7.44	10.95	13.24	7.46	7.49	7.51	7.33	7.37	7.42
20	7.94	7.55	7.63	7.49	9.48	13.12	7.57	7.30	7.46	7.35	7.34	7.41
21	7.89	7.50	7.54	7.48	9.27	10.86	7.33	7.38	7.52	7.39	7.38	7.39
22	8.02	7.41	7.57	7.46	8.69	10.38	7.41	7.44	7.50	7.40	7.44	7.54
23	8.41	7.48	7.57	7.41	7.98	9.67	7.39	7.46	7.40	7.35	7.24	7.32
24	11.25	7.48	7.50	7.51	7.79	8.23	7.48	7.45	7.47	7.41	7.30	7.34
25	8.54	7.60	7.43	7.52	7.69	8.06	7.43	7.50	7.45	7.41	7.36	7.39
26	8.16	7.50	7.59	7.45	7.65	7.84	7.47	7.78	7.46	7.48	7.42	7.42
27	8.15	7.54	7.52	7.37	7.54	7.62	7.46	8.66	7.48	7.36	7.42	7.40
28	9.12	7.68	7.49	7.56	7.57	7.56	7.45	8.95	7.64	7.38	7.44	7.44
29	8.18	7.63	7.43	7.49	---	7.64	7.42	8.98	7.45	7.38	7.40	7.39
30	8.05	7.57	7.49	7.48	---	7.58	7.47	8.73	7.54	7.44	7.44	7.42
31	8.58	---	7.60	7.51	---	7.67	---	8.56	---	7.36	7.47	---
MEAN	8.14	7.73	7.88	7.48	8.08	8.67	7.47	7.67	8.37	7.42	7.39	7.41
MAX	11.25	8.74	10.56	7.60	11.14	13.24	7.62	8.98	10.98	7.56	7.52	7.54
MIN	7.14	7.41	7.43	7.37	7.47							

LOCATION.--Lat 33°30'50", long 88°23'44", in NW¼ 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.

WATER-DISCHARGE RECORDS

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.

AVERAGE DISCHARGE.--14 years, 1,216 ft³/s. 23.10 in/yr.

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)
Mar. 14	2230	*4,230	*16.05				

Minimum discharge, 53 ft³/s, Aug. 8, gage height, 6.96 ft.

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	254	1270	407	533	416	424	486	170	1200	187	78	91
2	371	1720	423	769	396	403	462	163	924	176	83	90
3	624	2060	447	758	385	383	440	156	631	180	75	91
4	610	1660	470	686	397	371	420	151	516	183	72	96
5	469	1280	433	598	581	365	401	146	420	158	67	114
6	352	1000	398	525	950	361	392	140	345	137	63	140
7	276	736	369	477	1050	349	418	133	311	120	59	175
8	232	577	353	444	865	333	383	132	313	110	66	167
9	210	499	336	423	745	328	372	134	345	105	78	140
10	198	447	325	406	621	319	367	134	344	101	217	116
11	185	411	367	396	613	322	351	194	338	98	307	101
12	177	385	916	396	641	359	327	192	422	98	287	97
13	174	363	1860	390	641	1260	312	204	706	93	271	99
14	169	345	2380	379	623	3300	303	346	811	97	213	116
15	168	331	2070	366	674	3340	298	367	588	116	157	126
16	183	333	1560	355	790	2430	283	306	444	111	130	108
17	183	379	1290	349	834	1940	264	235	303	109	118	101
18	186	425	1020	345	781	1370	249	208	233	128	127	103
19	183	439	794	364	830	2140	238	216	197	138	143	94
20	180	421	666	397	1030	2790	242	213	173	144	123	90
21	177	388	588	430	861	3360	244	235	158	124	107	91
22	212	356	544	420	752	2370	251	215	145	108	100	86
23	469	334	512	392	653	1840	258	188	133	97	103	99
24	832	324	491	368	582	1330	249	171	126	90	93	104
25	820	316	470	367	541	1010	231	198	125	85	85	100
26	710	311	444	445	496	846	218	321	118	85	81	92
27	612	310	416	566	463	742	209	749	129	84	82	86
28	837	331	402	586	442	660	200	847	125	89	85	82
29	1040	361	401	523	---	602	191	1050	130	88	95	77
30	1100	388	398	465	---	559	179	2180	180	84	95	74
31	918	---	414	437	---	518	---	1770	---	75	92	---
TOTAL	13111	18500	21964	14355	18653	36724	9238	11864	10933	3598	3752	3146
MEAN	423	617	709	463	666	1185	308	383	364	116	121	105
MAX	1100	2060	2380	769	1050	3360	486	2180	1200	187	307	175
MIN	168	310	325	345	385	319	179	132	118	75	59	74
CFSM	.59	.86	.99	.65	.93	1.66	.43	.54	.51	.16	.17	.15
IN.	.68	.96	1.14	.75	.97	1.91	.48	.62	.57	.19	.20	.16
CAL YR 1985	TOTAL	276574	MEAN 7									

MOBILE RIVER BASIN

02443500 LUXAPALLILA CREEK NEAR COLUMBUS, MS--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TRANS- PAR- ENCY (SECCHI DISK) (IN)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
NOV 15...	0930	334	28	6.80	17.5	>44.4	9.1	94
FEB 06...	1100	942	27	6.90	15.0	22.2	9.7	97
MAR 19...	1100	2310	25	6.10	17.0	4.80	7.5	78
JUL 09...	1430	102	31	6.90	30.0	24.0	7.0	92

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

AVERAGE DISCHARGE.--52 years, 1,053 ft³/s, 18.62 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)
May 29	0500	*2,990	*16.81				

Minimum discharge, 47 ft³/s, Sept. 26-28, gage height, 5.40 ft.

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	102	1070	131	178	141	157	257	97	752	90	53	87
2	165	794	145	185	139	205	239	89	498	87	51	82
3	179	736	160	185	138	189	225	86	377	75	55	103
4	160	551	145	181	176	151	211	85	343	74	90	105
5	176	372	145	182	411	138	202	78	289	76	78	99
6	140	277	158	172	622	132	197	75	247	75	67	218
7	111	232	152	165	683	129	189	74	379	72	60	224
8	97	202	140	158	685	133	180	104	985	75	56	129
9	90	182	134	152	467	127	171	85	1170	72	56	93
10	87	165	129	149	337	122	164	72	1240	68	132	71
11	85	146	210	154	280	118	163	93	1470	64	209	63
12	84	137	1170	154	257	175	150	169	1360	65	206	66
13	83	130	2550	148	238	798	142	291	1170	65	124	77
14	83	125	2150	145	229	1170	138	213	881	64	100	67
15	83	123	1610	142	244	1120	125	190	567	63	77	55
16	83	130	1570	140	252	1290	116	154	379	79	77	54
17	89	130	1500	137	254	1270	112	125	264	141	138	52
18	88	155	1050	137	281	1130	111	298	201	131	95	49
19	93	322	642	140	317	1860	121	162	162	113	83	53
20	96	272	453	142	290	2680	127	126	139	99	72	52
21	99	206	351	137	285	2360	130	108	120	100	65	50
22	95	168	293	135	278	2190	129	100	116	109	67	49
23	109	149	260	135	248	2450	121	102	107	125	66	49
24	140	140	238	134	221	2660	112	104	96	84	69	51
25	293	133	217	138	202	2360	112	97	94	73	63	50
26	323	131	199	152	189	1120	113	253	86	69	59	49
27	379	131	187	167	175	574	105	704	82	68	57	47
28	765	128	186	155	168	438	98	1230	81	65	57	48
29	926	130	186	146	---	363	95	2500	81	71	65	49
30	703	130	174	157	---	317	92	1220	95	61	63	49
31	1020	---	170	151	---	283	---	920	---	57	68	---
TOTAL	7026	7697	16805	4753	8207	28209	4447	10004	13831	2530	2578	2290
MEAN	227	257	542	153	293	910	148	323	461	81.6	83.2	76.3
MAX	1020	1070	2550	185	685	2680	257	2500	1470	141	209	224
MIN	83	123	129	134	138	118	92	72	81	57	51	47
CFSM	.30	.34	.71	.20	.38	1.19	.19	.42	.60	.11	.11	.10
IN.	.34	.37	.81	.23	.40	1.37	.22	.48	.67	.12	.12	.11

CAL YR 1985 TOTAL 246409 MEAN 675 MAX 6090 MIN 55 CFSM .88 IN 11.94
WTR YR 1986 TOTAL 108377 MEAN 297 MAX 2680 MIN 47 CFSM .39 IN 5.25

MOBILE RIVER BASIN

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 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT					
22...	1400	93	29	7.3	--
DEC					
02...	1650	153	25	10	--
JAN					
06...	1650	171	12	5.5	--
FEB					
25...	1615	194	131	69	90
APR					
01...	1005	258	48	33	86
MAY					
13...	0845	303	335	274	78
JUN					
17...	0940	267	49	35	97
JUL					
30...	0915	66	36	6.4	--
SEP					
03...	0915	101	38	10	--

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, AL. 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, AL, 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: June 25 to July 17 and July 26 to August 5. Records fair except those for period of estimated record, which are poor. Discharge includes flow of old river channel at bridge on State Highway 17, 1 mi south of gage.

AVERAGE DISCHARGE.--42 years (water years 1940, 1945-65, 1967-86), 1,581 ft³/s, 19.57 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, 6,770 ft³/s, Mar. 13, gage height, 26.94 ft; minimum, 56 ft³/s, Sept. 29, 30.

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	271	1860	282	418	306	305	452	175	1010	110	64	67
2	251	1340	299	390	294	292	417	170	854	98	62	71
3	286	1040	291	378	284	308	392	172	647	87	60	311
4	349	939	316	366	326	340	373	158	511	83	60	183
5	338	792	306	354	1990	293	355	158	533	83	62	111
6	329	630	292	348	1350	266	340	154	433	85	79	100
7	322	510	299	339	990	253	332	147	386	82	75	128
8	273	436	305	325	914	247	324	144	565	82	68	282
9	238	390	294	317	877	248	310	144	1010	84	65	136
10	218	359	284	310	720	247	295	180	1180	79	68	104
11	204	337	315	304	605	241	287	160	1640	74	331	86
12	197	312	1320	304	506	469	281	160	1440	71	424	79
13	197	293	4160	306	455	5810	273	236	1290	74	185	75
14	193	282	3970	297	428	3900	259	395	1120	72	135	72
15	192	272	2480	290	434	1720	254	340	914	70	99	77
16	195	269	1720	287	443	1420	239	293	683	84	85	71
17	191	266	1600	286	446	1410	224	264	500	96	77	65
18	193	278	1490	284	470	1330	214	234	372	109	88	66
19	202	272	1150	292	574	3510	208	609	292	133	99	95
20	203	442	857	288	592	5130	219	524	241	121	84	72
21	226	485	688	287	525	3410	228	266	203	128	77	65
22	304	400	582	283	477	2460	226	207	181	228	71	63
23	256	341	505	277	461	2170	231	182	164	108	67	60
24	629	308	453	272	421	2330	222	170	160	116	74	58
25	744	290	417	288	381	2490	210	171	142	108	69	57
26	553	279	388	331	354	2150	201	173	132	90	69	58
27	1260	274	365	328	336	1190	201	294	122	82	67	58
28	3180	291	363	339	319	776	199	878	115	76	65	58
29	1810	277	359	322	---	634	188	2440	108	81	62	57
30	1220	269	356	305	---	552	179	3110	115	73	62	56
31	1680	---	387	303	---	496	---	1440	---	68	66	---
TOTAL	16704	14533	26893	9818	16278	46397	8133	14148	17063	2935	3019	2841
MEAN	539	484	868	317	581	1497	271	456	569	94.7	97.4	94.7
MAX	3180	1860	4160	418	1990	5810	452	3110	1640	228	424	311
MIN	191	266	282	272	284	241	179	144	108	68	60	56
CFSM	.49	.44	.79	.29	.53	1.36	.25	.42	.52	.09	.09	.09
IN.	.57	.49	.91	.33	.55	1.57	.28	.48	.58	.10	.10	.10
CAL YR 1985 TOTAL	352334			965	9690		92	CFSM .88	IN 11.95			
WTR YR 1986 TOTAL	178762			490	5810		56	CFSM .45	IN 6.06			

PASCAGOULA RIVER BASIN

02472000 LEAF RIVER NEAR COLLINS, MS

LOCATION.--Lat 31°42'25", long 89°24'25", in NE¼ sec.33, T.9 N., R.14 W., St. Stephens Meridian, Covington County, Hydrologic Unit 03170004, on right bank at downstream side of bridge on U.S. Highway 84, 2.0 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. 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.--48 years, 1,085 ft³/s, 19.83 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)
Oct. 30	0400	*8,420	*16.16	No other peak greater than base discharge.			

Minimum discharge, 87 ft³/s, Aug. 26-28, gage height, 3.59 ft.

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	413	6510	323	1550	334	280	357	185	5930	155	126	89
2	471	4710	481	1010	320	269	340	182	3650	147	115	91
3	378	3930	500	740	312	264	328	182	1880	142	110	117
4	331	2750	431	588	352	261	316	178	915	141	108	155
5	280	1470	363	498	2970	255	304	173	638	134	104	279
6	233	865	321	448	4230	250	293	172	522	127	102	224
7	208	648	296	425	4710	245	286	170	467	123	100	184
8	191	527	278	462	3470	241	280	162	394	119	98	154
9	180	469	265	443	1750	238	298	157	396	116	97	125
10	175	427	256	454	894	238	295	156	337	119	102	111
11	172	399	272	522	739	239	274	180	322	127	116	104
12	168	374	1200	470	679	708	311	483	294	136	108	106
13	162	347	3280	427	602	5310	450	1100	263	125	103	114
14	160	327	3710	392	539	5070	426	1550	239	116	101	113
15	160	316	3420	369	605	4960	375	901	220	115	103	103
16	187	305	2360	352	635	2990	350	352	208	119	102	98
17	214	314	1120	340	617	1260	309	257	198	159	103	97
18	204	327	736	401	576	805	277	229	196	185	102	99
19	197	307	600	703	514	2290	255	248	204	157	98	136
20	186	294	516	634	472	3880	343	417	206	136	94	128
21	178	281	465	504	438	4190	445	658	194	121	93	114
22	190	270	432	434	406	3250	375	376	184	117	94	105
23	346	262	410	393	380	1390	318	262	174	117	94	102
24	601	258	395	363	354	823	276	215	164	114	95	100
25	388	252	374	365	333	661	248	215	157	121	93	97
26	610	251	347	520	315	556	231	1780	150	133	89	96
27	598	255	344	511	304	493	219	1200	149	137	87	93
28	2130	316	572	459	291	458	211	2350	151	245	90	90
29	6660	349	800	420	---	427	201	4410	208	291	106	90
30	7770	337	754	385	---	401	193	4110	163	149	100	89
31	7140	---	1050	357	---	377	---	6450	---	136	91	---
TOTAL	31281	28447	26671	15939	28141	43079	9184	29460	19173	4379	3124	3603
MEAN	1009	948	860	514	1005	1390	306	950	639	141	101	120
MAX	7770	6510	3710	1550	4710	5310	450	6450	5930	291	126	279
MIN	160	251	256	340	291	238	193	156	149	114	87	89
CFSM	1.36	1.28	1.16	.69	1.35	1.87	.41	1.28	.86	.19	.14	.16
IN.	1.57	1.42	1.34	.80	1.41	2.16	.46	1.47	.96	.22	.16	.18
WTR YR 1986	TOTAL	242481	MEAN	664	MAX	7770	MIN	87	CFSM	.89	IN	12.14

PASCAGOULA RIVER BASIN

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02472500 BOWIE CREEK NEAR HATTIESBURG, MS

LOCATION.--Lat 31°25'32", long 89°24'53", in NW1SW1 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.

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.--No estimated daily discharges. Records good.

AVERAGE DISCHARGE.--48 years, 447 ft³/s, 19.97 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)
Oct. 29	2330	*7,060	*17.09	No other peak greater than base discharge.			

Minimum discharge, 118 ft³/s, Sept. 30, gage height, 3.13 ft.

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	636	1800	321	1140	235	212	200	154	641	181	141	118
2	701	1030	525	642	231	211	197	237	393	166	135	141
3	347	714	375	444	229	209	195	537	266	183	132	302
4	236	619	302	361	282	208	192	278	215	159	129	259
5	191	484	269	317	1260	206	190	198	337	153	127	226
6	167	397	256	287	1060	201	186	175	346	151	125	218
7	153	356	247	322	779	199	185	166	320	180	123	169
8	146	331	239	479	590	195	185	160	228	167	126	155
9	143	310	235	362	376	193	182	155	207	154	127	144
10	142	295	233	463	455	193	181	152	201	150	134	137
11	141	286	254	671	601	197	178	176	192	144	145	136
12	139	279	949	492	375	447	225	502	187	144	136	135
13	137	273	2010	366	315	1910	358	644	172	145	177	137
14	135	266	1340	311	293	1630	293	426	163	144	176	135
15	136	262	693	284	308	791	230	228	156	282	142	133
16	144	258	497	267	305	603	201	191	153	226	136	130
17	147	253	404	257	297	552	188	175	154	319	129	128
18	148	251	356	293	319	370	177	198	165	300	125	135
19	143	248	324	416	304	352	172	722	166	235	123	152
20	142	244	301	342	279	651	218	586	154	184	121	135
21	141	238	286	286	263	660	393	288	149	165	124	132
22	143	235	273	262	253	486	319	215	147	163	132	131
23	199	232	265	250	244	315	227	186	144	174	131	129
24	1210	229	262	239	235	275	194	173	152	211	129	127
25	783	227	252	268	228	255	180	170	151	168	124	128
26	383	227	238	548	222	241	172	661	145	168	122	123
27	296	245	238	419	220	232	167	1150	143	150	124	122
28	2110	625	371	308	217	226	164	836	146	147	120	122
29	6300	620	446	269	---	218	160	862	185	156	122	121
30	6500	363	347	256	---	211	156	461	192	169	121	119
31	3720	---	1080	245	---	205	---	745	---	153	119	---
TOTAL	26059	12197	14188	11866	10775	12854	6265	11807	6370	5591	4077	4479
MEAN	841	407	458	383	385	415	209	381	212	180	132	149
MAX	6500	1800	2010	1140	1260	1910	393	1150	641	319	177	302
MIN	135	227	233	239	217	193	156	152	143	144	119	118
CFSM	2.77	1.34	1.51	1.26	1.27	1.37	.69	1.25	.70	.59	.43	.49
IN.	3.19	1.49	1.74	1.45	1.32	1.57	.77	1.44	.78	.68	.50	.55
CAL YR 1985	TOTAL	160856	MEAN 441	MAX 6500	MIN 128	CFSM 1.45	IN 19.68					
WTR YR 1986	TOTAL	126528	MEAN 347	MAX 6500	MIN 118	CFSM 1.14	IN 15.48					

PASCAGOULA RIVER BASIN

02473000 LEAF RIVER AT HATTIESBURG, MS

LOCATION.--Lat 31°20'33", long 89°16'46", in SW¼NW¼ sec.2, T.4 N., R.13 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170005, on right downstream abutment of bridge on U.S. Highway 11, at eastern city limits of Hattiesburg, 150 ft downstream from Bowie 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: Feb. 22, Mar. 5, May 20-29, 31. Records fair. National Weather Service telemeter at station.

AVERAGE DISCHARGE.--48 years, 2,678 ft³/s, 20.81 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; minimum recorded gage height, 2.20 ft, Oct. 6, 1982.

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)
Oct. 30	1445	*21,300	*18.79	No other peak greater than base discharge.			

Minimum discharge, 426 ft³/s, Sept. 30, gage height, 1.98 ft.

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	2220	14600	1520	6910	1440	1220	1240	819	8880	875	686	453
2	3960	11000	1740	4290	1390	1180	1200	1100	7750	827	626	531
3	2290	7860	1900	3080	1360	1120	1160	1460	4970	820	578	1000
4	1470	6180	1690	2380	1420	1100	1130	1130	3140	755	507	1100
5	1150	4510	1460	2070	3780	1060	1090	919	2370	717	491	1140
6	965	3090	1340	1930	7280	1070	1070	835	2050	699	479	1250
7	846	2420	1220	1790	7330	1060	1050	808	1830	697	484	1110
8	777	2090	1170	1950	7260	1010	1030	797	1700	659	483	836
9	735	1860	1140	2260	5180	1000	1040	780	1400	621	480	676
10	715	1700	1040	2020	3500	1000	1070	767	1300	592	545	598
11	709	1590	1270	2250	3580	1020	1040	1280	1560	586	710	573
12	685	1480	3820	3100	2800	1350	1160	1910	1390	583	652	554
13	676	1400	8380	2600	2380	6960	1570	2860	1190	587	563	533
14	665	1330	8340	2050	2150	9750	1730	2810	1010	575	581	540
15	749	1290	6690	1760	2120	8570	1480	2910	912	729	547	536
16	863	1250	5470	1600	2260	7420	1250	1800	852	831	529	503
17	778	1220	3920	1520	2240	4960	1140	1150	821	1320	515	489
18	789	1220	2680	1460	2370	3090	1080	1150	793	2240	515	503
19	771	1230	2180	1810	2240	2600	1020	1660	778	1380	489	519
20	733	1190	1940	2400	2040	5280	1070	1600	812	1020	472	611
21	712	1140	1750	2070	1900	6500	1670	1260	805	823	474	597
22	697	1120	1630	1780	1800	6440	1860	1050	753	749	480	546
23	908	1090	1550	1620	1700	4570	1430	960	747	684	488	519
24	3320	1070	1500	1500	1600	2880	1180	860	713	746	481	493
25	3660	1060	1440	1500	1500	2210	1050	800	705	699	469	485
26	2050	1050	1360	2090	1400	1930	971	980	690	647	476	492
27	1850	1340	1310	2390	1320	1750	936	1200	675	646	748	467
28	5750	1950	1820	2010	1280	1640	898	2300	669	633	540	455
29	17200	2240	2510	1720	---	1500	866	5370	816	776	479	448
30	20900	1720	2490	1590	---	1360	841	7800	902	1150	473	447
31	19200	---	5060	1500	---	1290	---	7680	---	831	470	---
TOTAL	98793	82290	81330	69000	76620	93890	35322	58805	52983	25497	16510	19004
MEAN	3187	2743	2624	2226	2736	3029	1177	1897	1766	822	533	633
MAX	20900	14600	8380	6910	7330	9750	1860	7800	8880	2240	748	1250
MIN	665	1050	1040	1460	1280	1000	841	767	669	575	469	447
CFSM	1.82	1.57	1.50	1.27	1.57	1.73	.67	1.09	1.01	.47	.31	.36
IN.	2.10	1.75	1.73	1.47	1.63	2.00	.75	1.25	1.13	.54	.35	.40

CAL YR 1985	TOTAL	848831	MEAN	2326	MAX	20900	MIN	586	CFSM	1.33	IN	18.06
WTR YR 1986	TOTAL	710044	MEAN	1945	MAX	20900	MIN	447	CFSM	1.11	IN	15.11

PASCAGOULA RIVER BASIN

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02473000 LEAF RIVER AT HATTIESBURG, MS

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.99	14.96	4.09	9.62	3.72	---	3.42	2.81	11.27	2.86	2.48	2.04
2	6.92	12.68	4.38	7.18	3.65	---	3.36	3.25	10.35	2.77	2.37	2.18
3	5.08	10.42	4.58	5.80	3.62	---	3.29	3.80	7.90	2.76	2.28	3.01
4	4.03	9.02	4.30	4.99	3.70	---	3.25	3.33	6.00	2.64	2.14	3.16
5	3.57	7.48	3.97	4.61	6.52	---	3.18	3.00	5.12	2.56	2.11	3.22
6	3.28	6.01	3.79	4.43	9.97	3.28	3.16	2.87	4.72	2.52	2.09	3.39
7	3.09	5.25	3.61	4.23	10.01	3.24	3.12	2.83	4.43	2.51	2.10	3.17
8	2.97	4.85	3.52	4.44	9.95	3.17	3.09	2.81	4.26	2.44	2.10	2.74
9	2.90	4.56	3.46	4.82	8.07	3.16	3.10	2.79	3.84	2.36	2.09	2.46
10	2.86	4.35	3.42	4.53	6.24	3.15	3.13	2.77	3.69	2.31	2.21	2.32
11	2.85	4.19	3.64	4.79	6.35	3.18	3.09	3.55	4.04	2.30	2.52	2.27
12	2.81	4.04	6.67	5.78	5.46	3.63	3.25	4.45	3.79	2.29	2.42	2.23
13	2.79	3.93	10.85	5.20	4.97	9.57	3.85	5.59	3.49	2.30	2.25	2.19
14	2.77	3.83	10.83	4.54	4.69	11.94	4.06	5.55	3.21	2.28	2.29	2.21
15	2.91	3.77	9.47	4.16	4.66	11.02	3.72	5.67	3.05	2.55	2.22	2.20
16	3.11	3.71	8.38	3.95	4.83	10.09	3.39	4.33	2.94	2.73	2.19	2.14
17	2.97	3.67	6.81	3.83	4.82	7.85	3.24	3.43	2.88	3.45	2.16	2.11
18	2.99	3.68	5.42	3.74	4.97	5.80	3.14	3.44	2.83	4.69	2.16	2.13
19	2.96	3.69	4.83	4.19	4.82	5.24	3.06	4.17	2.79	3.57	2.11	2.17
20	2.89	3.63	4.51	4.94	4.58	8.14	3.14	---	2.84	3.03	2.07	2.34
21	2.86	3.55	4.27	4.53	4.40	9.30	4.00	---	2.82	2.72	2.08	2.32
22	2.83	3.52	4.10	4.15	---	9.26	4.26	---	2.73	2.59	2.09	2.22
23	3.18	3.48	4.00	3.94	---	7.44	3.69	---	2.71	2.47	2.11	2.17
24	6.12	3.45	3.91	3.79	---	5.53	3.33	---	2.64	2.58	2.09	2.12
25	6.60	3.43	3.82	3.78	---	4.75	3.14	---	2.62	2.50	2.07	2.10
26	4.80	3.42	3.71	4.55	---	4.39	3.03	---	2.59	2.41	2.08	2.11
27	4.55	3.83	3.63	4.93	---	4.16	2.98	---	2.55	2.41	2.59	2.06
28	8.10	4.67	4.32	4.47	---	4.00	2.92	---	2.53	2.38	2.21	2.04
29	16.16	5.03	5.18	4.09	---	3.81	2.87	---	2.78	2.63	2.09	2.03
30	18.56	4.37	5.14	3.93	---	3.61	2.84	10.40	2.92	3.23	2.08	2.02
31	17.68	---	7.63	3.81	---	3.51	---	---	---	2.73	2.07	---
MEAN	5.17	5.22	5.17	4.70	---	---	3.30	---	4.01	2.70	2.19	2.36
MAX	18.56	14.96	10.85	9.62	---	---	4.26	---	11.27	4.69	2.59	3.39
MIN	2.77	3.42	3.42	3.74	---	---	2.84	---	2.53	2.28	2.07	2.02

PASCAGOULA RIVER BASIN

02473460 TALLAHALA CREEK AT WALDRUP, MS

LOCATION.--Lat 31°57'58", long 89°06'55", in SW¼ sec.31, T.2 N., R.12 E., Choctaw Meridian, Jasper County, Hydrologic Unit 03170005, 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. 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.--No estimated daily discharges. Records good.

AVERAGE DISCHARGE.--7 years, 165 ft³/s, 21.97 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,900 ft³/s, Apr. 13, 1974, gage height, 23.18 ft present datum; minimum, 1.8 ft³/s, July 16, 1986.

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)
Oct. 29	1700	*2,970	*18.42	Mar. 13	1100	2,440	18.02

Minimum discharge, 1.8 ft³/s, July 16; gage height 7.16 ft gage datum.

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	344	1510	64	913	49	28	28	11	1370	5.9	5.9	4.4
2	222	1290	112	348	47	26	26	11	359	5.3	4.9	6.5
3	77	498	78	139	46	26	25	10	68	4.2	3.9	173
4	41	193	53	102	81	26	24	9.1	41	4.5	4.2	149
5	27	109	45	83	847	25	22	8.1	34	3.7	3.6	59
6	19	82	41	69	901	24	21	7.4	32	3.0	3.1	27
7	15	69	38	72	214	22	21	6.9	27	2.7	2.8	23
8	13	60	34	91	101	22	27	6.6	22	8.7	3.2	17
9	12	52	33	76	75	21	104	6.2	18	4.5	4.8	13
10	12	48	32	93	63	22	77	5.7	20	2.9	6.3	9.8
11	13	45	52	136	90	22	37	6.0	53	2.5	4.7	8.0
12	11	42	596	96	75	255	50	38	25	2.6	3.7	17
13	9.9	40	1120	76	56	2000	87	157	16	3.0	3.6	31
14	10	40	1100	64	60	1360	57	35	12	2.7	3.4	16
15	9.6	37	310	57	168	345	46	17	9.6	2.2	3.8	13
16	11	37	122	52	117	138	33	11	8.4	2.1	7.0	8.6
17	15	47	95	49	84	88	24	8.1	8.6	3.1	10	7.2
18	13	48	81	223	82	64	20	7.5	7.5	10	9.2	6.4
19	12	43	71	371	71	593	18	12	6.6	8.1	5.8	6.3
20	12	38	62	156	59	993	69	15	5.8	4.6	4.1	6.1
21	11	35	56	97	51	353	83	16	5.4	6.5	3.4	5.8
22	11	33	52	78	47	110	42	9.7	5.1	12	3.2	43
23	24	32	51	67	42	78	28	7.0	4.8	10	3.1	20
24	245	30	49	59	38	63	21	5.8	4.4	14	3.7	9.9
25	129	30	45	67	34	53	18	6.5	4.2	14	3.1	7.1
26	52	30	40	161	32	46	16	183	4.1	10	2.8	6.0
27	150	35	44	120	31	42	14	307	5.2	6.1	2.6	5.5
28	1040	90	166	78	30	39	13	132	9.4	27	9.8	5.2
29	2730	77	209	66	---	35	12	662	17	41	12	4.8
30	2310	55	111	60	---	32	12	983	7.4	16	6.2	4.6
31	1500	---	376	53	---	30	---	1380	---	8.2	5.2	---
TOTAL	9100.5	4775	5338	4172	3591	6981	1075	4080.6	2210.5	251.1	153.1	713.2
MEAN	294	159	172	135	128	225	35.8	132	73.7	8.10	4.94	23.8
MAX	2730	1510	1120	913	901	2000	104	1380	1370	41	12	173
MIN	9.6	30	32	49	30	21	12	5.7	4.1	2.1	2.6	4.4
CFSM	2.88	1.56	1.69	1.32	1.26	2.21	.35	1.29	.72	.08	.05	.23
IN.	3.32	1.74	1.95	1.52	1.31	2.55	.39	1.49	.81	.09	.06	.26

CAL YR 1985	TOTAL	49250.9	MEAN 135	MAX 2730	MIN 4.6	CFSM 1.32	IN 17.96
WTR YR 1986	TOTAL	42441.0	MEAN 116	MAX 2730	MIN 2.1	CFSM 1.14	IN 15.48

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 Mississippi State Highway Department datum. Prior to Dec. 14, 1938, nonrecording gage at same site and datum.

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

AVERAGE DISCHARGE.--48 years, 347 ft³/s, 19.80 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 (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Nov. 1	0200	*3,920	*16.19	No other peak greater than base discharge.			

Minimum discharge, 10 ft³/s, Aug. 31, Sept. 1, gage height, 1.71 ft.

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	540	3670	319	688	176	97	134	40	1880	28	76	13
2	974	2970	285	876	168	91	124	41	1850	43	51	18
3	801	2590	297	924	158	85	113	37	1900	33	38	37
4	377	2210	285	945	190	81	103	34	1650	27	29	23
5	196	1930	227	504	424	80	93	32	846	23	25	210
6	128	1470	186	312	731	77	84	30	228	21	21	251
7	93	491	164	269	846	73	77	29	163	19	19	139
8	77	282	148	260	932	70	72	26	134	16	17	83
9	64	226	134	260	830	68	71	24	114	14	16	57
10	54	191	128	299	350	66	73	24	102	13	35	45
11	50	170	167	370	262	66	97	24	93	24	24	37
12	46	155	494	377	226	113	120	105	91	26	16	31
13	43	143	1050	345	226	406	122	52	123	21	14	27
14	42	138	1210	273	192	814	132	93	96	17	16	23
15	40	130	1210	229	174	998	149	142	72	15	18	26
16	39	122	1260	203	229	1260	143	75	59	27	61	38
17	39	115	1310	185	311	1660	127	48	51	311	65	30
18	37	111	753	203	259	1140	97	58	62	286	47	25
19	40	119	344	327	221	338	72	46	55	97	29	22
20	38	125	281	589	203	454	75	32	46	55	31	19
21	38	114	234	611	211	710	146	31	41	40	32	17
22	51	111	209	386	176	843	232	31	36	45	28	15
23	120	105	191	280	149	879	158	33	32	37	24	14
24	355	99	180	224	133	380	109	31	29	52	18	14
25	276	93	171	218	126	262	83	33	27	46	16	42
26	344	89	160	272	119	236	69	45	25	39	18	31
27	258	124	149	341	113	214	59	155	24	36	22	23
28	795	610	224	350	103	194	52	560	23	41	20	18
29	1900	772	348	267	---	177	48	537	22	40	15	16
30	2640	466	441	221	---	163	44	522	23	42	12	14
31	2930	---	443	195	---	148	---	1840	---	92	10	---
TOTAL	13425	19941	13002	11803	8238	12243	3078	4810	9897	1626	863	1358
MEAN	433	665	419	381	294	395	103	155	330	52.5	27.8	45.3
MAX	2930	3670	1310	945	932	1660	232	1840	1900	311	76	251
MIN	37	89	128	185	103	66	44	24	22	13	10	13
CFSM	1.82	2.79	1.76	1.60	1.24	1.66	.43	.65	1.39	.22	.12	.19
IN.	2.10	3.12	2.03	1.84	1.29	1.91	.48	.75	1.55	.25	.13	.21

CAL YR 1985	TOTAL	116538	MEAN	319	MAX	3670	MIN	14	CFSM	1.34	IN	18.22
WTR YR 1986	TOTAL	100284	MEAN	275	MAX	3670	MIN	10	CFSM	1.16	IN	15.67

PASCAGOULA RIVER BASIN

02474500 TALLAHALA CREEK NEAR RUNNELSTOWN, MS

LOCATION.--Lat 31°19'57", long 89°06'46", in SE½SE½ 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.--Records good except for estimated daily discharges, July 15 to Aug. 13, which are poor.

AVERAGE DISCHARGE.--45 years (water years 1939-82), 931 ft³/s, 20.88 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, 4.64 ft, Nov. 3, 4-6, 6, 1978.

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)
Nov. 1	0600	*5,930	*16.70	No other peak greater than base discharge.			

Minimum discharge, 64 ft³/s, Sept. 1, gage height, 4.48 ft.

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	412	5850	987	2340	505	358	327	157	3030	113	130	65
2	1360	5780	873	1920	465	341	304	157	3400	109	135	69
3	1890	5870	786	1930	444	326	290	190	3210	106	130	181
4	1290	5440	762	1810	467	314	277	157	2840	111	115	213
5	748	4720	671	1540	1380	306	259	145	2200	108	110	359
6	453	3950	556	1040	1810	300	245	137	1500	101	105	311
7	317	3020	474	819	1870	285	235	132	648	95	100	461
8	243	1400	427	977	1790	273	223	128	458	93	90	312
9	203	904	394	855	1740	265	233	124	378	88	90	207
10	182	735	364	852	1440	263	291	121	348	77	100	161
11	162	634	457	1360	1360	256	253	119	352	73	110	140
12	148	563	1980	1230	931	288	354	135	307	72	105	131
13	141	513	3430	1020	751	1400	485	482	281	75	105	113
14	134	473	3340	856	690	1820	431	530	270	79	103	97
15	136	446	2830	715	679	2020	480	602	245	175	96	87
16	195	424	2480	625	642	2280	427	426	206	215	90	82
17	170	400	2280	564	687	2370	341	278	194	555	86	81
18	146	381	2050	528	777	2400	294	234	169	1590	94	90
19	133	365	1430	587	714	1870	261	445	156	735	112	87
20	136	374	893	932	639	1040	240	369	157	455	102	88
21	133	375	744	1190	591	1230	282	214	145	515	82	80
22	129	348	648	1060	570	1490	429	180	135	595	83	76
23	134	335	587	780	522	1590	559	159	129	490	89	75
24	272	321	543	635	475	1400	417	145	121	235	84	71
25	599	306	506	587	436	802	307	136	116	145	76	69
26	608	293	473	796	412	596	249	179	114	120	72	67
27	613	294	445	859	391	513	211	502	110	120	163	81
28	1490	991	653	844	384	461	192	965	104	125	104	79
29	3590	1590	948	778	---	416	177	1780	108	125	81	70
30	4660	1440	999	644	---	386	165	2210	117	130	72	67
31	5150	---	2720	556	---	356	---	2280	---	130	67	---
TOTAL	25977	48535	36730	31229	23562	28015	9238	13818	21548	7755	3081	4070
MEAN	838	1618	1185	1007	842	904	308	446	718	250	99.4	136
MAX	5150	5870	3430	2340	1870	2400	559	2280	3400	1590	163	461
MIN	129	293	364	528	384	256	165	119	104	72	67	65
CFSM	1.37	2.64	1.94	1.65	1.38	1.48	.50	.73	1.17	.41	.16	.22
IN.	1.58	2.95	2.23	1.90	1.43	1.70	.56	.84	1.31	.47	.19	.25

CAL YR 1985 TOTAL 295741 MEAN 810 MAX 5870 MIN 61 CFSM 1.32 IN 17.98
WTR YR 1986 TOTAL 253558 MEAN 695 MAX 5870 MIN 65 CFSM 1.14 IN 15.41

PASCAGOULA RIVER BASIN

71

02474560 LEAF RIVER NEAR NEW AUGUSTA, MS

LOCATION.--Lat 31°13'27", long 89°03'01", in NE¼ SW¼ 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. Datum of gage is 72.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Mar. 16-26. Records good. National Weather Service telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 27,400 ft³/s, Nov. 1, 1985, gage height 22.58 ft; minimum discharge, 677 ft³/s, Sept. 30, 1986, gage height 1.24 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, 27,400 ft³/s, Nov. 1, gage height 22.58 ft; minimum discharge, 677 ft³/s, Sept. 30, gage height, 1.24 ft.

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	3220	26900	2970	11900	2120	1730	1840	1060	8130	1060	989	688
2	4390	22200	2740	9530	2020	1670	1760	1060	8820	1030	923	746
3	4900	18700	2840	7460	1960	1630	1700	1520	9060	978	866	1290
4	3480	15800	2730	5850	1980	1600	1640	1530	6200	962	802	1730
5	2430	12100	2410	4840	4120	1570	1590	1210	5040	905	760	1610
6	1810	8590	2150	4170	7820	1550	1550	1070	3890	869	736	1760
7	1470	6450	1940	3890	8900	1550	1510	1010	2890	848	715	1860
8	1280	4660	1790	3520	8200	1490	1470	966	2500	843	718	1580
9	1170	3650	1690	3530	7800	1440	1470	949	2120	821	729	1200
10	1120	3230	1610	3290	6170	1430	1480	928	2090	795	729	1010
11	1060	2960	1620	4270	5750	1420	1490	920	2260	777	962	921
12	1020	2770	4640	4420	4260	1490	1590	1590	1980	762	984	924
13	967	2610	10500	3620	3320	5020	2030	2450	1760	754	919	862
14	945	2480	12500	3070	3000	9680	2210	3170	1580	759	861	820
15	955	2360	10900	2710	2930	10300	2150	3180	1460	800	865	796
16	2260	2280	8940	2490	2900	9470	1890	2760	1360	957	804	771
17	1700	2220	7310	2360	2900	8810	1660	1750	1320	1230	777	742
18	1200	2140	5630	2280	3000	7400	1520	1440	1270	3000	762	755
19	1130	2110	4380	2410	3020	6000	1430	2220	1240	2810	774	830
20	1070	2060	3470	3190	2740	5200	1390	2600	1170	1770	741	836
21	1040	2010	2950	3430	2520	4600	1580	1980	1210	1280	726	878
22	982	1930	2690	3090	2370	4200	2220	1810	1130	1090	759	837
23	990	1870	2530	2650	2250	3800	2190	1550	1060	1000	751	808
24	1850	1820	2410	2360	2110	3400	1780	1250	1020	938	731	774
25	4770	1780	2300	2280	1990	3100	1510	1150	1000	1160	708	734
26	3680	1740	2200	2760	1900	2900	1350	1380	997	987	696	761
27	2650	1730	2110	3280	1830	2700	1250	3910	937	930	896	737
28	6370	2620	2370	3030	1780	2400	1200	5720	913	899	1000	720
29	14600	3780	3380	2690	---	2170	1160	6800	942	877	778	698
30	20600	3650	3610	2430	---	2050	1100	8870	1060	1090	715	684
31	25300	---	5390	2240	---	1930	---	8820	---	1210	694	---
TOTAL	120409	169200	124700	119040	101660	113700	48710	76623	76409	34191	24870	29362
MEAN	3884	5640	4023	3840	3631	3668	1624	2472	2547	1103	802	979
MAX	25300	26900	12500	11900	8900	10300	2220	8870	9060	3000	1000	1860
MIN	945	1730	1610	2240	1780	1420	1100	920	913	754	694	684
CFSM	1.53	2.22	1.58	1.51	1.43	1.44	.64	.97	1.00	.43	.32	.39
IN.	1.76	2.48	1.82	1.74	1.49	1.66	.71	1.12	1.12	.50	.36	.43
CAL YR 1985 TOTAL	1207519		MEAN	3308	MAX	26900	MIN	760	CFSM	1.30	IN	17.67
WTR YR 1986 TOTAL	1038874		MEAN	2846	MAX	26900	MIN	684	CFSM	1.12	IN	15.20

PASCAGOULA RIVER BASIN

02474560 LEAF RIVER NEAR NEW AUGUSTA, MS

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.04	22.36	4.78	13.00	3.68	3.16	3.31	2.19	9.90	2.17	1.96	1.35
2	6.30	20.20	4.53	11.10	3.56	3.08	3.20	2.17	10.50	2.13	1.85	1.44
3	6.86	18.10	4.65	9.30	3.47	3.02	3.11	2.86	10.70	2.05	1.75	2.28
4	5.34	16.00	4.55	7.80	3.50	2.98	3.04	2.87	8.77	2.02	1.64	2.92
5	4.09	13.20	4.18	6.80	6.00	2.93	2.97	2.41	6.99	1.93	1.57	2.75
6	3.27	10.30	3.88	6.10	9.61	2.91	2.91	2.19	5.80	1.87	1.52	2.96
7	2.79	8.37	3.62	5.80	10.57	2.90	2.85	2.09	4.66	1.84	1.48	3.10
8	2.51	6.60	3.44	5.40	10.31	2.82	2.79	2.03	4.17	1.83	1.48	2.71
9	2.35	5.53	3.32	5.41	9.60	2.75	2.79	2.00	3.68	1.79	1.50	2.16
10	2.27	5.07	3.23	5.13	8.10	2.73	2.80	1.97	3.64	1.75	1.49	1.86
11	2.18	4.75	3.23	6.20	7.70	2.72	2.82	1.96	3.87	1.71	1.87	1.71
12	2.12	4.51	6.54	6.36	6.20	2.82	2.96	2.95	3.50	1.68	1.90	1.71
13	2.03	4.31	11.89	5.50	5.17	6.86	3.57	4.10	3.19	1.66	1.79	1.61
14	2.00	4.15	13.50	4.87	4.80	11.23	3.80	5.00	2.95	1.67	1.69	1.53
15	2.01	4.00	12.20	4.44	4.70	11.75	3.73	5.01	2.77	1.69	1.70	1.49
16	3.85	3.90	10.60	4.16	4.67	---	3.38	4.49	2.62	1.98	1.59	1.45
17	3.10	3.82	9.16	4.00	4.68	---	3.07	3.18	2.57	2.38	1.54	1.40
18	2.40	3.71	7.58	3.89	4.80	---	2.87	2.74	2.50	4.73	1.51	1.41
19	2.28	3.67	6.32	4.06	4.82	---	2.73	3.81	2.46	4.52	1.53	1.54
20	2.20	3.61	5.37	5.01	4.48	---	2.68	4.30	2.35	3.16	1.47	1.55
21	2.15	3.53	4.78	5.29	4.21	---	2.94	3.50	2.41	2.46	1.44	1.62
22	2.06	3.43	4.47	4.90	4.01	---	3.82	3.27	2.29	2.17	1.49	1.54
23	2.07	3.36	4.26	4.37	3.85	---	3.77	2.91	2.18	2.03	1.48	1.49
24	3.27	3.28	4.10	4.00	3.68	---	3.22	2.47	2.12	1.91	1.44	1.43
25	6.73	3.22	3.95	3.90	3.51	---	2.84	2.32	2.09	2.26	1.40	1.36
26	5.54	3.17	3.81	4.51	3.39	---	2.62	2.66	2.08	1.98	1.37	1.40
27	4.36	3.16	3.67	5.12	3.30	6.38	2.47	5.74	1.98	1.89	1.70	1.35
28	8.12	4.32	4.01	4.83	3.23	3.95	2.40	7.67	1.95	1.83	1.87	1.32
29	15.07	5.68	5.23	4.42	---	3.75	2.32	8.69	1.99	1.80	1.51	1.28
30	19.27	5.54	5.49	4.08	---	3.59	2.25	10.53	2.19	2.12	1.39	1.25
31	21.69	---	7.21	3.84	---	3.44	---	10.50	---	2.31	1.36	---
MEAN	5.01	6.83	5.73	5.60	5.34	---	3.00	3.89	3.96	2.17	1.59	1.77
MAX	21.69	22.36	13.50	13.00	10.57	---	3.82	10.53	10.70	4.73	1.96	3.10
MIN	2.00	3.16	3.23	3.84	3.23	---	2.25	1.96	1.95	1.66	1.36	1.25

PASCAGOULA RIVER BASIN

73

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 northwest of Richton.

DRAINAGE AREA.--344 mi².

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

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

REMARKS.--Records good except for estimated daily discharges, Jan. 18-22 and Aug. 17-19, which are poor.

AVERAGE DISCHARGE.--16 years, 557 ft³/s, 21.99 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)
Oct. 31	1745	*7,530	*17.12	No other peak greater than base discharge.			

Minimum discharge, 2.1 ft³/s, July 11-14, gage height, 2.92 ft.

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	700	5660	490	2320	189	126	86	41	899	23	39	30
2	1020	3450	630	1310	169	126	80	46	823	23	38	29
3	735	2550	699	834	157	117	71	43	977	22	37	68
4	747	1970	494	817	189	108	67	38	1100	22	33	136
5	807	1440	326	831	930	104	63	39	794	21	31	169
6	782	1020	239	618	1530	104	59	43	262	21	29	210
7	404	587	182	381	1440	102	60	38	147	21	27	161
8	163	322	156	510	1110	94	53	30	122	21	27	121
9	110	236	138	546	1030	92	56	26	109	21	26	102
10	88	196	124	509	929	92	83	24	132	24	29	85
11	75	165	170	780	1300	90	96	24	274	22	38	92
12	61	148	916	772	1020	115	102	32	174	21	36	154
13	52	136	2210	651	638	838	151	47	142	21	30	98
14	47	125	2480	570	470	967	188	91	107	21	28	65
15	77	118	2270	417	421	666	168	82	81	54	27	50
16	115	110	2140	298	400	814	154	52	62	58	27	43
17	83	105	1830	255	339	1170	135	39	51	542	27	40
18	88	98	1420	235	309	722	107	46	44	372	27	52
19	86	96	828	250	318	420	86	415	41	166	36	92
20	67	93	406	455	316	357	79	585	38	176	43	69
21	61	92	293	650	289	345	77	278	55	222	43	50
22	225	93	243	415	250	294	89	157	45	242	42	45
23	97	97	213	223	218	245	113	105	37	141	40	105
24	71	74	190	194	197	191	139	76	32	74	35	64
25	89	58	175	198	174	156	123	55	29	64	31	43
26	213	62	168	321	156	139	94	64	28	70	30	38
27	376	68	163	453	149	126	73	516	27	65	117	35
28	1100	98	381	400	134	114	61	918	24	52	54	33
29	2980	277	680	353	---	105	52	1220	23	47	41	31
30	4850	390	600	272	---	101	45	1750	23	43	37	65
31	6770	---	1960	216	---	94	---	1060	---	40	33	---
TOTAL	23139	19934	23214	17054	14771	9134	2810	7980	6702	2732	1138	2375
MEAN	746	664	749	550	528	295	93.7	257	223	88.1	36.7	79.2
MAX	6770	5660	2480	2320	1530	1170	188	1750	1100	542	117	210
MIN	47	58	124	194	134	90	45	24	23	21	26	29
CFSM	2.17	1.93	2.18	1.60	1.54	.86	.27	.75	.65	.26	.11	.23
IN.	2.50	2.16	2.51	1.84	1.60	.99	.30	.86	.72	.30	.12	.26

CAL YR 1985	TOTAL	152700.5	MEAN	418	MAX	6770	MIN	6.6	CFSM	1.22	IN	16.51
WTR YR 1986	TOTAL	130983.0	MEAN	359	MAX	6770	MIN	21	CFSM	1.04	IN	14.16

PASCAGOULA RIVER BASIN

02475000 LEAF RIVER NEAR McLAIN, MS

LOCATION.--Lat 31°06'10", long 88°48'30", in SE¼ sec.29, T.2 N., R.8 W., St. Stephens Meridian, Greene County, on downstream side of right main pier of bridge on U.S. Highway 98, 1.2 mi 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.--Records good except for estimated daily discharges, Feb. 16 to Mar. 25, which are fair. National Weather Service telemeter at station.

AVERAGE DISCHARGE.--47 years, 5,421 ft³/s, 21.06 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, 39,200 ft³/s, Nov. 1, gage height, 22.65 ft; minimum, 796 ft³/s, Sept. 30, gage height 2.42 ft.

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	4030	37600	4180	17700	2980	2700	2370	1290	11200	1300	1290	834
2	5430	38700	3870	19100	2800	2600	2210	1240	12200	1250	1120	880
3	6890	34600	3970	13400	2680	2520	2080	1270	12600	1170	1070	1180
4	5580	27700	3950	9210	2680	2440	2050	1610	10300	1140	1000	2160
5	4190	21900	3510	7520	7470	2370	1980	1620	7750	1090	920	2340
6	3370	16300	3040	6290	10800	2310	1900	1340	5660	1040	878	2230
7	2840	11100	2720	5400	12800	2260	1850	1210	4080	1000	861	2400
8	2210	7790	2500	5340	12400	2220	1800	1140	3170	987	850	2170
9	1770	5450	2330	5230	11500	2180	1850	1090	2720	986	916	1730
10	1570	4410	2210	4840	9460	2140	1890	1060	2410	960	895	1410
11	1450	3860	2130	6130	9090	2150	1870	1030	2590	942	998	1270
12	1380	3510	5300	7110	8040	2200	1940	1120	2680	922	1190	1190
13	1310	3240	15800	6060	6210	4500	2700	1710	2310	906	1160	1280
14	1240	3040	19500	5060	5200	9000	2890	2890	2060	897	1030	1190
15	1200	2860	18500	4370	5150	10500	2850	3140	1860	1010	1050	1060
16	4180	2740	16100	3860	4900	10500	2660	3190	1720	1080	1170	987
17	5040	2630	13300	3510	4800	10400	2360	2500	1650	1270	1040	928
18	2720	2540	10800	3290	4800	10300	2090	1810	1610	2770	953	912
19	1950	2440	8250	3270	4900	10200	1880	1870	1560	3910	932	994
20	1700	2380	6070	3750	4500	10000	1770	3140	1460	2700	929	1150
21	1580	2310	4620	4340	4100	8600	1770	3160	1480	2030	879	1060
22	1490	2250	3920	4200	3800	7330	1980	2440	1470	1640	894	1030
23	1540	2180	3540	3760	3500	6130	2410	2160	1340	1530	902	996
24	1600	2110	3290	3330	3300	5230	2390	1820	1250	1300	879	1040
25	3970	2040	3080	3100	3150	4530	2060	1590	1200	1260	853	934
26	4710	1980	2920	3810	3000	3830	1800	1500	1210	1450	837	925
27	3610	1950	2780	4450	2900	3320	1620	2120	1160	1290	924	912
28	8130	2300	2780	4460	2800	3010	1510	6400	1100	1240	1280	854
29	18900	3810	4220	4000	---	2800	1420	8630	1080	1120	1120	826
30	26600	4690	5200	3600	---	2630	1350	9890	1160	1100	919	806
31	33000	---	6170	3250	---	2500	---	11300	---	1400	849	---
TOTAL	165180	260410	190550	182740	159710	153400	61300	86280	104040	42690	30588	37678
MEAN	5328	8680	6147	5895	5704	4948	2043	2783	3468	1377	987	1256
MAX	33000	38700	19500	19100	12800	10500	2890	11300	12600	3910	1290	2400
MIN	1200	1950	2130	3100	2680	2140	1350	1030	1080	897	837	806
CFSM	1.52	2.48	1.76	1.69	1.63	1.42	.59	.80	.99	.39	.28	.36
IN.	1.76	2.77	2.03	1.95	1.70	1.63	.65	.92	1.11	.45	.33	.40

CAL YR 1985 TOTAL 1693188 MEAN 4639 MAX 38700 MIN 907 CFSM 1.33 IN 18.02
WTR YR 1986 TOTAL 1474566 MEAN 4040 MAX 38700 MIN 806 CFSM 1.16 IN 15.69

PASCAGOULA RIVER BASIN

75

02475500 CHUNKY RIVER NEAR CHUNKY, MS

LOCATION.--Lat 32°19'35", long 88°54'35", in SE1SW1/4 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. National Weather Service telemeter at station.

AVERAGE DISCHARGE.--48 years, 494 ft³/s, 18.18 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; minimum gage height, 1.98 ft, Sept. 30, 1986.

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)
Nov. 2	2200	*4,100	*10.97				

Minimum discharge, 8.1 ft³/s, Sept. 30; gage height, 1.98 ft.

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	192	2900	203	322	153	147	169	91	275	43	47	11
2	321	3570	337	306	150	140	159	85	206	31	35	12
3	184	3020	292	248	145	140	153	81	154	23	22	48
4	112	1360	205	224	196	138	147	76	126	20	16	210
5	79	625	183	206	1610	134	142	69	131	19	13	151
6	62	442	211	188	2110	128	137	66	118	18	12	65
7	52	363	198	189	1490	126	132	64	110	17	11	44
8	46	314	183	200	520	124	137	62	103	17	11	35
9	44	269	172	186	385	120	190	64	93	18	9.9	28
10	45	234	163	180	341	121	223	61	85	18	8.9	23
11	45	213	243	190	377	125	159	198	83	15	22	19
12	44	199	1320	189	360	575	145	836	74	15	99	17
13	44	186	2180	171	289	2260	179	786	66	15	60	18
14	42	177	2100	161	260	2900	185	381	60	14	34	21
15	47	174	1250	151	301	2470	154	184	54	13	29	18
16	52	167	544	145	308	791	131	132	59	13	81	15
17	78	165	427	143	271	498	116	111	53	13	148	13
18	76	172	361	167	276	372	109	102	49	19	69	12
19	67	167	316	294	283	1290	110	994	45	23	43	11
20	58	157	274	248	252	2520	141	826	41	33	33	10
21	61	152	248	194	224	2320	251	292	40	23	27	11
22	120	143	230	169	208	1020	235	178	35	20	23	16
23	312	139	217	157	194	471	166	138	33	37	20	13
24	520	134	213	147	182	383	134	116	32	28	17	11
25	504	132	196	150	169	328	119	111	29	22	14	11
26	263	131	174	287	161	283	111	229	27	56	12	11
27	271	134	168	312	158	251	106	670	26	33	11	9.8
28	1290	196	273	216	155	230	103	1150	24	26	9.9	9.1
29	2190	251	418	185	---	208	96	989	21	41	10	8.7
30	2570	206	314	175	---	191	92	746	22	24	12	8.6
31	2860	---	266	162	---	183	---	338	---	20	12	---
TOTAL	12651	16492	13879	6262	11528	20987	4431	10226	2274	727	971.7	890.2
MEAN	408	550	448	202	412	677	148	330	75.8	23.5	31.3	29.7
MAX	2860	3570	2180	322	2110	2900	251	1150	275	56	148	210
MIN	42	131	163	143	145	120	92	61	21	13	8.9	8.6
CFSM	1.11	1.49	1.21	.55	1.12	1.84	.40	.89	.21	.06	.09	.08
IN.	1.28	1.66	1.40	.63	1.16	2.12	.45	1.03	.23	.07	.10	.09

CAL YR 1985 TOTAL 146270.0 MEAN 401 MAX 4230 MIN 15 CFSM 1.09 IN 14.75
WTR YR 1986 TOTAL 101318.9 MEAN 278 MAX 3570 MIN 8.6 CFSM .75 IN 10.21

PASCAGOULA RIVER BASIN

02476500 SOWASHEE CREEK AT MERIDIAN, MS

LOCATION.--Lat 32°22'08", long 88°40'35", in NE¼ sec.17, T.6 N., R.16 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03170001, near right bank on upstream side of bridge on U.S. Highway 45, 0.6 mi downstream from Southern Railway System bridge, and 9.5 mi upstream from mouth.

DRAINAGE AREA.--52.1 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, water-stage recorder and nonrecording gage at site 0.4 mi upstream at datum 3.00 ft higher.

REMARKS.--Estimated daily discharges: Dec. 3-16 and Dec. 30 to Jan. 21. Records good except for estimated daily discharges, which are fair. National Weather Service telemeter at station.

AVERAGE DISCHARGE.--36 years, 65.4 ft³/s, 17.04 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)
Mar. 13	0100	*968	*9.19				

Minimum discharge, 0.64 ft³/s, Sept. 25, gage height, 2.55 ft.

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	97	113	28	45	13	9.2	7.7	3.6	7.9	1.4	1.6	3.1
2	22	41	32	36	14	8.9	7.7	3.8	6.5	2.4	1.5	5.6
3	7.2	27	35	29	13	9.7	7.2	7.9	5.3	1.5	1.6	5.8
4	4.7	18	43	26	104	10	6.6	6.2	66	1.5	1.5	97
5	4.0	13	30	24	251	11	5.7	3.4	63	1.4	1.7	96
6	3.1	11	23	23	64	10	5.4	2.8	13	1.4	2.0	13
7	2.9	10	20	25	31	11	5.4	2.6	8.9	1.5	1.9	6.0
8	2.9	9.1	19	24	24	11	5.9	2.5	5.5	1.4	2.8	3.9
9	2.7	7.7	18	22	20	11	5.5	2.5	4.3	1.5	2.4	4.0
10	3.2	7.2	18	21	19	11	4.5	2.3	4.0	1.4	2.1	3.8
11	3.0	7.2	18	23	19	11	4.6	14	4.0	4.5	2.0	4.2
12	2.9	7.1	80	22	14	228	5.8	94	3.5	2.2	2.6	4.4
13	3.0	7.5	330	21	14	603	5.9	15	2.9	1.3	2.3	4.2
14	3.4	7.7	49	20	14	108	5.1	4.6	2.4	1.2	76	3.6
15	9.6	8.8	39	20	15	49	4.4	2.4	2.1	1.3	25	3.4
16	8.4	12	33	19	11	39	3.7	2.0	2.3	2.4	5.2	3.3
17	5.4	12	30	28	13	23	3.4	1.7	2.3	9.8	4.6	3.2
18	4.1	12	26	41	15	20	3.3	34	2.2	12	2.4	3.1
19	3.8	11	22	32	13	192	3.2	44	1.9	2.1	1.6	3.5
20	3.6	14	20	25	12	80	18	7.4	1.8	1.6	1.4	2.6
21	3.9	11	18	22	11	31	11	3.6	1.8	1.5	1.3	2.5
22	5.9	11	17	15	11	21	8.0	2.2	1.8	2.2	1.7	5.2
23	13	11	16	14	10	17	7.9	1.8	1.7	2.0	1.7	.94
24	27	11	15	13	9.3	14	6.9	1.6	1.7	1.5	2.0	.86
25	9.8	12	14	24	8.7	14	6.2	23	2.4	1.5	2.0	.75
26	6.0	12	13	37	8.6	12	5.7	186	1.6	1.4	2.3	.75
27	73	15	18	19	9.9	11	5.2	98	1.4	1.8	16	.91
28	339	103	53	15	9.8	12	5.0	61	1.3	1.6	68	.81
29	112	32	35	14	---	9.8	4.1	67	1.5	1.5	8.1	.98
30	123	19	29	15	---	9.2	3.8	16	1.5	1.6	4.8	.89
31	176	---	26	13	---	8.4	---	9.1	---	1.7	3.6	---
TOTAL	1085.5	593.3	1167	727	771.3	1615.2	182.8	726.0	226.5	72.1	253.7	288.29
MEAN	35.0	19.8	37.6	23.5	27.5	52.1	6.09	23.4	7.55	2.33	8.18	9.61
MAX	339	113	330	45	251	603	18	186	66	12	76	97
MIN	2.7	7.1	13	13	8.6	8.4	3.2	1.6	1.3	1.2	1.3	.75
CFSM	.67	.38	.72	.45	.53	1.00	.12	.45	.15	.05	.16	.18
IN.	.78	.42	.83	.52	.55	1.15	.13	.52	.16	.05	.18	.21

CAL YR 1985 TOTAL 15284.90 MEAN 41.9 MAX 950 MIN 1.3 CFSM .80 IN 10.91
WTR YR 1986 TOTAL 7708.69 MEAN 21.1 MAX 603 MIN .75 CFSM .41 IN 5.50

02476600 OKATIBBEE CREEK AT ARUNDEL, MS

LOCATION.--Lat 32°17'55", long 88°45'15", in SE¼SW¼ sec.3, T.5 N., R.15 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03170001, on right bank, 100 ft 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 1987.

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.--No estimated daily discharges. Records good. Flow from 154 mi² above the station, 21.3 mi upstream, regulated by Okatibbee Lake since November 1968. U. S. Army Corps of Engineer telemeter at station.

COOPERATION.--Two discharge measurements were furnished by U. S. Army Corps of Engineers.

AVERAGE DISCHARGE.--18 years, 526 ft³/s, 20.89 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,500 ft³/s, Apr. 13, 1979, gage height, 21.51 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, 1,930 ft³/s, Mar. 13, gage height, 11.86 ft; minimum daily, 38 ft³/s, Sept. 25.

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	772	774	200	300	160	147	255	84	106	69	94	93
2	260	576	204	242	158	146	193	82	97	95	89	138
3	125	509	173	217	159	150	185	85	102	103	89	146
4	96	453	154	203	253	150	157	85	104	97	89	176
5	80	294	150	189	804	146	134	80	228	95	90	274
6	71	261	145	182	413	146	127	77	134	93	90	175
7	67	328	139	196	466	141	126	77	117	98	91	108
8	63	356	136	190	482	140	124	78	94	96	113	101
9	59	350	140	182	466	139	126	76	90	93	112	97
10	60	342	137	187	458	144	117	72	99	94	148	92
11	58	339	231	191	469	123	111	94	93	98	195	85
12	57	332	646	182	451	362	121	260	87	114	119	92
13	55	329	994	176	318	1780	124	229	79	98	102	67
14	57	425	682	169	283	730	117	121	73	96	174	56
15	91	456	558	166	238	387	112	98	70	96	584	53
16	90	458	501	163	198	311	103	91	70	98	150	47
17	78	470	650	188	196	254	100	85	70	128	138	48
18	71	460	709	253	203	364	98	157	66	150	117	45
19	63	458	685	189	201	793	96	239	64	117	107	45
20	61	456	423	178	189	782	174	140	63	106	99	42
21	60	508	338	164	181	404	146	80	61	104	97	39
22	72	522	322	162	171	458	122	90	60	105	96	43
23	82	529	319	158	169	490	105	86	63	102	99	50
24	276	526	310	150	165	473	99	81	65	110	92	41
25	226	523	212	181	160	458	96	86	63	122	92	38
26	116	398	177	215	158	447	93	325	73	100	91	42
27	235	309	184	186	157	436	89	287	62	103	117	50
28	936	288	279	169	152	426	89	220	63	103	279	45
29	946	230	252	166	---	416	85	338	70	96	122	51
30	648	176	210	169	---	412	85	253	64	95	103	43
31	837	---	301	163	---	406	---	269	---	94	95	---
TOTAL	6768	12435	10561	5826	7878	12161	3709	4425	2550	3168	4073	2422
MEAN	218	415	341	188	281	392	124	143	85.0	102	131	80.7
MAX	946	774	994	300	804	1780	255	338	228	150	584	274
MIN	55	176	136	150	152	123	85	72	60	69	89	38
CFSM	.64	1.21	1.00	.55	.82	1.15	.36	.42	.25	.30	.38	.24
IN.	.74	1.35	1.15	.63	.86	1.32	.40	.48	.28	.34	.44	.26

CAL YR 1985 TOTAL 107908 MEAN 296 MAX 3330 MIN 55 CFSM .87 IN 11.74
WTR YR 1986 TOTAL 75976 MEAN 208 MAX 1780 MIN 38 CFSM .61 IN 8.26

PASCAGOULA RIVER BASIN

02476600 OKATIBBEE CREEK AT ARUNDEL, MS

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.69	7.75	4.39	5.17	4.05	3.92	4.83	3.23	3.49	3.00	3.25	3.22
2	4.84	6.82	4.44	4.74	4.03	3.91	4.35	3.21	3.39	3.31	3.19	3.64
3	3.70	6.46	4.17	4.55	4.04	3.95	4.27	3.25	3.44	3.40	3.19	3.77
4	3.38	6.15	3.99	4.43	4.61	3.95	4.02	3.24	3.44	3.33	3.19	3.97
5	3.19	5.12	3.95	4.32	7.89	3.91	3.79	3.18	4.60	3.30	3.20	4.87
6	3.08	4.89	3.90	4.25	5.90	3.91	3.72	3.15	3.79	3.28	3.20	4.04
7	3.02	5.37	3.84	4.37	6.21	3.86	3.71	3.15	3.61	3.33	3.22	3.39
8	2.97	5.56	3.81	4.32	6.31	3.85	3.69	3.16	3.35	3.30	3.44	3.31
9	2.92	5.52	3.85	4.25	6.22	3.84	3.71	3.14	3.30	3.26	3.45	3.25
10	2.93	5.46	3.82	4.30	6.17	3.89	3.61	3.08	3.41	3.27	3.72	3.19
11	2.90	5.44	4.48	4.33	6.24	3.67	3.55	3.30	3.34	3.31	4.22	3.11
12	2.89	5.40	7.15	4.25	6.13	4.82	3.65	4.87	3.26	3.49	3.53	3.19
13	2.86	5.38	8.70	4.19	5.30	11.40	3.69	4.61	3.17	3.30	3.35	2.88
14	2.89	5.98	7.34	4.13	5.05	7.51	3.61	3.65	3.10	3.27	3.77	2.73
15	3.30	6.17	6.72	4.10	4.71	5.74	3.56	3.40	3.06	3.26	6.44	2.70
16	3.30	6.17	6.42	4.07	4.39	5.25	3.46	3.32	3.05	3.28	3.85	2.61
17	3.16	6.25	7.19	4.30	4.38	4.84	3.42	3.25	3.06	3.60	3.73	2.62
18	3.08	6.19	7.47	4.83	4.43	5.59	3.40	3.92	3.00	3.84	3.51	2.58
19	2.97	6.18	7.36	4.31	4.42	7.77	3.38	4.72	2.99	3.50	3.39	2.56
20	2.95	6.17	5.95	4.21	4.32	7.77	4.15	3.84	2.97	3.38	3.30	2.54
21	2.93	6.46	5.43	4.09	4.24	5.85	3.91	3.19	2.95	3.35	3.27	2.49
22	3.09	6.53	5.33	4.07	4.15	6.17	3.66	3.30	2.93	3.36	3.26	2.55
23	3.21	6.57	5.31	4.03	4.13	6.36	3.47	3.26	2.96	3.33	3.30	2.64
24	4.98	6.55	5.25	3.95	4.10	6.26	3.41	3.19	2.98	3.42	3.22	2.52
25	4.59	6.54	4.50	4.23	4.05	6.17	3.37	3.24	2.95	3.56	3.21	2.47
26	3.60	5.81	4.21	4.54	4.02	6.12	3.33	5.22	3.07	3.32	3.20	2.52
27	4.60	5.23	4.26	4.29	4.02	6.05	3.29	5.05	2.93	3.34	3.42	2.64
28	8.39	5.09	5.02	4.13	3.97	5.99	3.29	4.55	2.94	3.35	4.89	2.56
29	8.46	4.65	4.82	4.11	---	5.93	3.25	5.42	3.03	3.26	3.55	2.65
30	7.15	4.20	4.49	4.13	---	5.91	3.24	4.76	2.94	3.25	3.33	2.53
31	8.04	---	5.13	4.08	---	5.87	---	4.83	---	3.25	3.24	---
MEAN	4.10	5.87	5.25	4.29	4.91	5.48	3.66	3.76	3.22	3.35	3.55	2.99
MAX	8.46	7.75	8.70	5.17	7.89	11.40	4.83	5.42	4.60	3.84	6.44	4.87
MIN	2.86	4.20	3.81	3.95	3.97	3.67	3.24	3.08	2.93	3.00	3.19	2.47

WTR YR 1986 MEAN 4.20 MAX 11.40 MIN 2.47

PASCAGOULA RIVER BASIN

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02477000 CHICKASAWHAY RIVER AT ENTERPRISE, MS

LOCATION.--Lat 32°10'32", long 88°49'10", in SE¼NW¼ sec.24, T.4 N., R.14 E., Choctaw Meridian, Clarke County, Hydrologic Unit 03170002, on right bank at downstream side of bridge on State Highway 513 in Enterprise, 0.5 mi 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: Nov. 7 to Dec. 1. Records good except for Oct. 29 to Nov. 6 and Dec. 2-16, which were fair, and for estimated daily discharges, which were poor. Flow from 154 mi² above the station, 38.4 mi upstream, regulated by Okatibbee Lake since November 1968. National Weather Service telemeter at station.

AVERAGE DISCHARGE.--48 years, 1,246 ft³/s, 18.44 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)
Nov. 1	0600	*5,590	*19.21				

Minimum discharge, 98 ft³/s, Sept. 22, gage height, 4.58 ft.

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	1550	5290	470	1060	434	419	688	218	783	131	144	135
2	1110	4550	471	880	428	404	515	214	539	157	157	137
3	609	4500	453	743	423	398	478	207	416	178	139	220
4	383	2570	312	664	519	398	449	208	370	170	128	364
5	284	1420	255	612	2310	389	392	205	567	164	123	639
6	226	966	257	561	2890	380	377	200	403	158	122	412
7	199	900	243	567	2330	370	360	194	356	153	123	233
8	180	820	221	589	1450	365	364	190	296	150	123	187
9	169	730	206	554	1160	355	440	188	270	147	156	177
10	167	650	194	551	1050	356	471	187	295	143	133	167
11	164	580	255	561	1060	358	390	209	281	141	448	158
12	160	520	1530	547	1070	502	364	1070	241	142	236	154
13	157	480	2970	508	894	4350	400	1300	211	144	242	153
14	154	440	3090	477	771	4280	415	731	191	139	179	140
15	174	420	2310	455	815	3460	366	402	174	137	638	130
16	224	400	1720	440	756	1770	319	300	165	138	289	123
17	217	430	1330	439	701	1230	289	259	166	149	368	113
18	227	415	1330	566	693	1050	269	260	157	192	287	105
19	203	400	1250	669	709	1980	260	1190	148	173	210	100
20	184	370	1060	632	663	3610	366	1390	142	156	179	97
21	177	355	818	527	612	3180	510	618	139	156	163	94
22	224	340	767	478	561	2060	488	373	132	149	153	91
23	498	325	739	455	531	1400	375	304	127	140	151	93
24	1170	315	724	432	498	1240	305	270	129	156	143	99
25	1320	305	650	461	473	1130	279	258	127	165	135	93
26	708	300	524	664	452	1040	260	450	130	165	131	88
27	707	400	517	740	446	975	247	1140	125	181	131	88
28	2790	540	752	590	434	921	241	1490	120	177	306	87
29	4650	480	943	510	---	872	231	1640	131	158	212	87
30	4030	530	799	488	---	826	221	2080	132	154	160	86
31	4580	---	920	459	---	804	---	2140	---	141	143	---
TOTAL	27595	30741	28080	17879	25133	40872	11129	19885	7463	4804	6252	4850
MEAN	890	1025	906	577	898	1318	371	641	249	155	202	162
MAX	4650	5290	3090	1060	2890	4350	688	2140	783	192	638	639
MIN	154	300	194	432	423	355	221	187	120	131	122	86
CFSM	.97	1.12	.99	.63	.98	1.44	.40	.70	.27	.17	.22	.18
IN.	1.12	1.25	1.14	.72	1.02	1.66	.45	.81	.30	.19	.25	.20

CAL YR 1985	TOTAL	331432	MEAN 908	MAX 7390	MIN 121	CFSM .99	IN 13.43
WTR YR 1986	TOTAL	224683	MEAN 616	MAX 5290	MIN 86	CFSM .67	IN 9.10

PASCAGOULA RIVER BASIN

02477000 CHICKASAWHAY RIVER AT ENTERPRISE, MS

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.78	18.63	---	8.30	6.40	6.35	7.22	5.49	7.51	4.86	4.96	4.87
2	8.45	17.17	6.53	7.80	6.38	6.29	6.70	5.47	6.75	5.05	5.06	4.89
3	6.97	17.05	6.46	7.39	6.36	6.27	6.59	5.42	6.33	5.19	4.93	5.42
4	6.20	12.62	5.90	7.14	6.67	6.27	6.49	5.42	6.15	5.15	4.84	6.08
5	5.78	9.37	5.64	6.98	11.87	6.23	6.29	5.40	6.84	5.10	4.80	7.06
6	5.48	8.04	5.65	6.82	13.45	6.19	6.23	5.35	6.28	5.06	4.79	6.31
7	5.33	---	5.57	6.84	12.02	6.16	6.17	5.32	6.10	5.03	4.80	5.53
8	5.21	---	5.45	6.91	9.48	6.13	6.19	5.29	5.84	5.01	4.80	5.27
9	5.14	---	5.37	6.80	8.60	6.10	6.48	5.27	5.71	4.98	5.04	5.21
10	5.12	---	5.30	6.79	8.28	6.10	6.58	5.26	5.83	4.96	4.88	5.15
11	5.10	---	5.58	6.82	8.32	6.11	6.30	5.36	5.76	4.94	6.36	5.10
12	5.08	---	9.72	6.78	8.33	6.54	6.20	8.33	5.56	4.95	5.53	5.07
13	5.06	---	13.63	6.66	7.84	16.71	6.34	9.01	5.40	4.96	5.56	5.07
14	5.04	---	13.94	6.55	7.48	16.59	6.40	7.35	5.28	4.93	5.20	4.98
15	5.16	---	11.98	6.48	7.61	14.79	6.22	6.27	5.17	4.91	6.91	4.90
16	5.47	---	10.32	6.42	7.43	10.41	6.02	5.85	5.11	4.92	5.78	4.86
17	5.43	---	9.10	6.42	7.26	8.80	5.88	5.66	5.12	5.00	6.11	4.77
18	5.49	---	9.10	6.83	7.24	8.28	5.80	5.65	5.06	5.28	5.74	4.71
19	5.35	---	8.87	7.16	7.29	10.97	5.76	8.71	4.99	5.17	5.33	4.67
20	5.24	---	8.30	7.04	7.14	15.13	6.20	9.30	4.95	5.05	5.13	4.65
21	5.19	---	7.62	6.72	6.98	14.13	6.71	6.99	4.93	5.05	5.01	4.62
22	5.46	---	7.46	6.55	6.82	11.26	6.66	6.16	4.88	5.00	4.94	4.59
23	6.59	---	7.38	6.47	6.73	9.31	6.27	5.87	4.84	4.94	4.94	4.62
24	8.63	---	7.33	6.39	6.62	8.81	5.97	5.71	4.85	5.05	4.89	4.69
25	9.10	---	7.10	6.49	6.54	8.51	5.85	5.65	4.83	5.11	4.83	4.63
26	7.28	---	6.71	7.14	6.47	8.26	5.74	6.44	4.85	5.11	4.80	4.59
27	7.26	---	6.68	7.38	6.44	8.07	5.67	8.53	4.81	5.21	4.81	4.59
28	13.03	---	7.41	6.91	6.40	7.92	5.63	9.62	4.77	5.19	5.74	4.59
29	17.37	---	7.98	6.66	---	7.78	5.58	10.08	4.86	5.07	5.36	4.59
30	16.07	---	7.56	6.59	---	7.64	5.52	11.31	4.87	5.04	5.04	4.59
31	17.21	---	7.90	6.49	---	7.57	---	11.38	---	4.94	4.93	---
MEAN	7.39	---	---	6.86	7.80	8.89	6.19	6.87	5.47	5.04	5.22	5.02
MAX	17.37	---	---	8.30	13.45	16.71	7.22	11.38	7.51	5.28	6.91	7.06
MIN	5.04	---	---	6.39	6.36	6.10	5.52	5.26	4.77	4.86	4.79	4.59

PASCAGOULA RIVER BASIN

81

02477350 CHICKASAWHAY RIVER AT SHUBUTA, MS

LOCATION.--Lat 31°51'25", long 88°41'11", in NW¼ 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, 1.85 ft, Sept. 30, 1985.

EXTREMES FOR CURRENT YEAR.--Maximum observed gage height, 21.34 ft, Oct. 30; minimum observed, 1.85 ft, Sept. 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.67	19.15	6.36	9.71	5.09	4.71	5.76	3.26	13.18	2.61	2.56	2.42
2	12.54	19.04	6.27	10.35	4.97	4.61	5.52	3.19	9.15	2.72	2.42	2.34
3	8.35	18.55	6.65	8.80	4.93	4.64	4.94	3.11	8.33	2.64	2.46	3.02
4	5.97	17.81	6.79	7.76	4.90	4.51	4.77	3.09	6.04	2.92	2.42	4.19
5	4.70	15.27	5.51	6.53	9.08	4.49	4.64	2.99	4.62	2.76	2.23	4.21
6	4.09	9.63	5.08	6.09	13.56	4.43	4.41	2.95	6.03	2.72	2.18	5.19
7	3.43	7.53	5.08	5.30	13.89	4.37	4.33	2.89	5.03	2.45	2.15	4.50
8	3.04	6.96	5.04	6.07	12.30	4.30	4.24	2.84	4.72	2.30	2.23	3.63
9	2.93	6.70	4.86	6.04	8.85	4.26	4.54	2.80	4.14	2.27	2.30	3.03
10	2.88	6.42	4.78	6.00	7.64	4.23	5.24	2.76	4.04	2.26	2.23	2.75
11	2.81	6.15	4.66	6.61	7.49	4.22	5.01	2.74	4.08	2.24	2.54	2.63
12	2.79	5.96	8.16	6.26	7.30	4.25	4.92	2.80	4.30	2.29	3.71	2.65
13	2.75	5.82	15.55	6.05	7.26	10.46	4.77	5.66	3.93	2.34	3.37	2.76
14	2.70	5.64	17.93	5.71	6.68	15.02	4.85	7.11	3.52	2.39	3.14	2.78
15	2.69	5.67	15.95	5.45	6.48	15.93	4.80	5.78	3.22	2.65	2.82	2.56
16	2.75	5.93	13.98	5.29	6.95	15.50	4.58	4.45	3.04	2.29	3.98	2.34
17	2.89	5.88	10.31	5.15	6.60	12.34	4.22	3.73	2.96	2.44	3.81	2.23
18	2.95	5.93	8.44	5.11	6.77	8.03	3.95	3.42	2.96	3.94	3.38	2.15
19	3.10	5.91	8.18	5.85	6.45	7.07	4.00	4.62	2.86	3.82	3.55	2.13
20	3.05	5.86	7.80	6.55	6.28	10.21	3.85	5.38	2.74	3.18	3.05	2.09
21	2.95	5.76	7.22	6.39	6.04	13.04	4.76	7.49	2.68	2.58	2.71	2.02
22	2.79	5.69	6.91	5.76	5.74	13.72	5.30	5.10	2.61	2.55	2.53	2.00
23	2.94	5.88	6.72	5.38	5.48	10.53	5.16	4.07	2.60	2.48	2.42	1.97
24	4.00	5.71	6.09	5.17	5.31	8.03	4.34	3.67	3.12	2.49	2.38	2.19
25	8.20	5.15	5.92	5.06	5.13	7.36	3.94	3.37	2.54	2.43	2.34	2.20
26	7.86	5.10	5.77	5.78	4.98	7.02	3.72	3.31	2.34	2.49	2.26	2.05
27	5.98	5.62	5.27	6.43	4.90	6.67	3.59	4.84	2.31	2.60	2.28	1.95
28	7.95	8.29	5.31	6.58	4.81	6.43	3.50	7.71	2.31	2.67	2.22	1.93
29	18.18	11.02	7.91	5.89	---	6.22	3.43	10.90	2.28	2.72	2.39	1.90
30	21.34	8.05	7.89	5.49	---	6.06	3.37	9.03	2.53	2.90	3.19	1.85
31	20.57	---	7.63	5.24	---	5.89	---	10.69	---	2.56	2.63	---
MEAN	5.93	8.40	7.74	6.25	7.00	7.70	4.48	4.70	4.14	2.64	2.71	2.66
MAX	21.34	19.15	17.93	10.35	13.89	15.93	5.76	10.90	13.18	3.94	3.98	5.19
MIN	2.69	5.10	4.66	5.06	4.81	4.22	3.37	2.74	2.28	2.24	2.15	1.85
WTR YR 1986	MEAN	5.35	MAX	21.34	MIN	1.85						

PASCAGOULA RIVER BASIN

02477500 CHICKASAWHAY RIVER NEAR WAYNESBORO, MS

LOCATION.--Lat 31°40'46", long 88°41'00", in NW¼ sec.10, T.8 N., R.7 W., St. Stephens Meridian, Wayne County, Hydrologic Unit 03170002, on right bank 18 ft downstream from bridge on U.S. Highway 84, 2.3 mi west of Waynesboro, and at mile 93.2.

DRAINAGE AREA.--1,650 mi².

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

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

REMARKS.--Records furnished by National Weather Service.

AVERAGE DISCHARGE.--12 years (1938-50), 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 observed gage height, 22.15 ft, Oct. 31, minimum observed, 2.23 ft, Sept. 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.10	20.49	7.61	11.25	5.85	5.50	6.34	3.80	13.65	2.74	3.14	2.90
2	13.58	19.61	7.03	12.65	5.68	5.30	6.24	3.70	11.72	2.84	---	2.66
3	11.10	19.21	7.37	10.25	5.61	5.22	5.84	3.61	9.20	2.87	---	2.67
4	7.81	18.58	7.44	8.60	5.53	5.16	5.43	3.54	8.32	2.86	---	3.45
5	6.03	17.30	6.85	7.63	7.40	5.12	5.24	3.44	6.87	3.03	---	5.01
6	4.98	12.91	5.83	7.02	12.79	5.10	5.14	3.37	6.19	2.97	---	5.36
7	4.65	8.88	5.64	6.66	14.79	5.04	5.02	3.33	6.36	2.98	---	5.97
8	3.80	7.87	5.66	6.91	13.74	4.96	4.82	3.26	5.41	2.82	---	5.83
9	3.54	7.47	5.53	7.00	11.41	4.90	5.36	3.20	5.04	2.51	---	3.81
10	3.46	7.17	5.40	6.81	8.75	4.84	6.10	3.14	4.97	2.45	---	3.34
11	3.38	6.87	5.27	7.52	9.08	4.82	6.00	3.10	5.13	2.42	---	3.33
12	3.30	6.67	9.04	7.58	8.47	4.80	5.61	3.10	4.87	2.24	2.76	3.00
13	3.73	6.50	14.60	7.13	8.14	9.53	5.60	3.58	4.76	2.24	4.11	2.98
14	3.16	6.34	18.34	6.67	7.74	14.52	5.70	5.76	4.29	2.24	3.48	3.02
15	3.10	6.22	17.82	6.54	7.26	16.04	5.58	7.10	3.88	2.51	3.32	3.02
16	3.54	6.36	16.82	6.10	7.49	16.11	5.47	5.73	3.60	2.69	3.11	2.80
17	3.43	6.44	12.66	5.94	7.50	15.14	5.22	4.60	3.41	2.95	5.71	2.58
18	3.57	6.40	9.55	5.82	7.45	10.52	4.88	4.01	3.31	5.32	4.13	2.54
19	3.51	6.43	8.97	6.09	7.54	8.11	4.63	4.24	3.24	4.90	3.81	2.43
20	3.61	6.39	8.60	6.94	7.13	8.37	4.57	5.54	3.18	4.45	3.70	2.38
21	3.47	6.30	8.23	6.39	6.91	13.16	4.57	7.65	3.06	3.40	3.23	2.33
22	3.35	6.21	7.38	6.77	6.56	14.35	5.79	6.96	3.00	3.30	2.93	2.30
23	3.33	6.19	6.95	6.24	6.32	12.94	5.99	5.18	2.92	3.29	2.75	2.26
24	3.80	6.25	6.78	5.94	6.06	9.40	5.29	4.34	2.87	2.82	2.63	2.27
25	7.27	6.24	6.64	5.81	5.89	7.22	4.68	3.96	3.25	2.83	2.54	2.36
26	8.41	6.20	6.46	6.88	5.71	7.72	4.36	4.06	2.92	2.71	2.50	2.40
27	7.95	6.22	6.10	6.99	5.57	7.38	4.16	4.22	2.66	2.78	2.59	2.29
28	7.42	6.19	6.32	7.22	5.50	7.12	4.02	7.16	2.58	2.85	2.78	2.24
29	18.12	10.94	8.83	7.01	---	6.88	3.93	8.96	2.55	2.73	2.60	2.24
30	21.49	10.24	8.79	6.37	---	6.70	3.89	11.52	2.56	2.93	2.71	2.23
31	22.15	---	8.27	6.03	---	6.52	---	13.42	---	3.69	3.33	---
MEAN	6.65	9.17	8.61	7.19	7.78	8.34	5.18	5.12	4.86	3.01	---	3.07
MAX	22.15	20.49	18.34	12.65	14.79	16.11	6.34	13.42	13.65	5.32	---	5.97
MIN	3.10	6.19	5.27	5.81	5.50	4.80	3.89	3.10	2.55	2.24	---	2.23

PASCAGOULA RIVER BASIN

83

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: Feb. 21 to Mar. 4. Records good.

AVERAGE DISCHARGE.--14 years, 811 ft³/s, 22.38 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 (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Oct. 31	0130	*2,930	*15.31				

Minimum discharge, 17 ft³/s, Sept. 30, gage height, 4.13 ft.

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	167	2520	1080	2180	325	258	205	89	1220	59	45	84
2	793	2290	1100	1550	311	240	199	85	1320	79	41	68
3	1330	2090	720	1370	297	227	189	80	1380	64	39	60
4	1090	1790	605	1010	308	212	179	75	732	56	36	76
5	477	1100	460	700	1500	228	171	71	438	56	33	60
6	260	666	367	567	1830	222	163	68	334	66	29	92
7	172	492	326	532	1670	215	157	66	336	53	27	81
8	121	402	302	607	1240	207	156	63	315	45	25	87
9	93	347	275	538	787	200	184	60	289	39	23	95
10	78	309	251	561	821	196	209	58	346	35	21	71
11	70	280	265	764	1290	192	201	59	688	34	23	63
12	64	258	1760	670	845	198	191	69	542	35	27	53
13	59	245	2770	568	639	1290	187	193	375	32	26	44
14	56	231	2530	473	548	1590	180	645	255	28	31	38
15	55	222	2060	418	513	1400	186	316	186	28	82	34
16	78	216	1850	375	546	1380	175	179	151	73	65	34
17	230	220	1610	349	603	954	160	130	126	266	50	34
18	202	205	935	404	620	592	144	113	111	1400	46	40
19	124	195	649	495	644	474	131	122	103	853	42	36
20	95	197	543	544	619	535	130	232	92	348	51	31
21	80	186	468	539	530	618	140	370	86	197	58	30
22	72	176	417	453	475	608	183	267	77	135	48	32
23	81	171	386	388	425	447	218	175	69	103	40	30
24	115	168	366	355	385	367	188	131	62	85	34	25
25	159	162	347	363	348	327	152	110	56	83	30	23
26	323	156	325	599	310	305	130	248	53	89	28	21
27	442	157	311	569	293	284	116	342	50	76	39	20
28	792	295	867	545	276	269	108	1140	47	61	32	18
29	2150	429	1090	458	---	248	102	1150	45	53	26	17
30	2620	869	854	380	---	233	95	895	44	49	22	18
31	2800	---	1270	344	---	217	---	1020	---	53	21	---
TOTAL	15248	17044	27159	19668	18998	14733	4929	8621	9928	4633	1140	1415
MEAN	492	568	876	634	679	475	164	278	331	149	36.8	47.2
MAX	2800	2520	2770	2180	1830	1590	218	1150	1380	1400	82	95
MIN	55	156	251	344	276	192	95	58	44	28	21	17
CFSM	1.00	1.15	1.78	1.29	1.38	.97	.33	.57	.67	.30	.08	.10
IN.	1.15	1.29	2.05	1.49	1.44	1.11	.37	.65	.75	.35	.09	.11

CAL YR 1985 TOTAL 191021 MEAN 523 MAX 4340 MIN 18 CFSM 1.06 IN 14.44
WTR YR 1986 TOTAL 143516 MEAN 393 MAX 2800 MIN 17 CFSM .80 IN 10.85

PASCAGOULA RIVER BASIN

02478500 CHICKASAWHAY RIVER AT LEAKESVILLE, MS

LOCATION.--Lat 31°08'54", long 88°33'52", in SW¼ sec.12, T.2 N., R.6 W., St. Stephens Meridian, Greene County, Hydrologic Unit 03170003, on left bank at downstream side of bridge on State Highway 63, 0.5 mi southeast of Leaksville, 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.--48 years, 3,871 ft³/s, 19.54 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)
Nov. 1	0600	*16,000	*23.46	No other peak greater than base discharge.			

Minimum discharge, 365 ft³/s, Sept. 30, gage height, 8.15 ft.

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	1970	16000	3750	10300	2040	1710	1860	817	4060	496	595	527
2	2750	15100	3180	9460	1930	1650	1790	791	5210	492	621	543
3	4190	13100	2950	7070	1860	1610	1710	756	4320	514	570	633
4	4510	11600	2690	5270	1860	1570	1590	726	3490	525	530	882
5	3460	10600	2490	4140	3850	1530	1460	702	2800	511	496	858
6	2380	8800	2190	3340	6480	1490	1390	675	1930	519	486	1110
7	1670	5750	1840	3060	7470	1450	1330	656	1750	519	468	1480
8	1350	3690	1670	2990	7570	1410	1290	643	1640	510	454	1430
9	1140	2950	1610	3000	6450	1380	1410	626	1440	516	450	1130
10	974	2630	1540	2940	4900	1350	1830	610	1290	463	441	881
11	887	2410	1520	3240	4740	1340	1780	596	1260	442	448	747
12	832	2230	2610	3490	5030	1400	1750	597	1470	430	459	695
13	792	2080	8720	3240	4030	3480	1940	627	1470	425	462	649
14	752	1970	12000	2870	3430	5440	1890	692	1290	426	555	599
15	727	1880	12000	2590	3230	7070	1690	1420	1090	472	653	561
16	1150	1800	10700	2390	2980	7620	1580	1730	937	530	593	533
17	1390	1790	8550	2240	2920	8000	1450	1350	852	553	584	506
18	1310	1790	6330	2150	3110	6940	1320	1130	778	969	747	530
19	1180	1760	4430	2500	3040	4430	1200	1310	714	2090	827	553
20	1020	1730	3580	2780	2880	4540	1120	1430	680	2040	672	497
21	897	1700	3200	2730	2740	5240	1130	1330	650	1370	640	461
22	825	1670	2900	2660	2550	5700	1170	1810	655	1100	603	449
23	776	1620	2580	2460	2360	5910	1320	1720	621	993	559	509
24	819	1610	2370	2210	2190	4890	1420	1260	580	843	519	580
25	855	1600	2230	2110	2040	3420	1330	990	555	728	494	468
26	1280	1590	2110	2380	1920	2780	1150	913	566	699	470	438
27	2480	1590	2030	2760	1840	2510	1020	1120	577	714	511	426
28	5800	1780	2130	2750	1770	2340	939	1510	536	651	726	409
29	11800	2280	3300	2650	---	2180	893	3230	511	605	609	390
30	14400	3730	4010	2500	---	2050	852	4380	509	582	531	373
31	15600	---	4340	2230	---	1950	---	4290	---	565	480	---
TOTAL	89966	128830	125550	106500	97210	104380	42604	40437	44231	22292	17253	19847
MEAN	2902	4294	4050	3435	3472	3367	1420	1304	1474	719	557	662
MAX	15600	16000	12000	10300	7570	8000	1940	4380	5210	2090	827	1480
MIN	727	1590	1520	2110	1770	1340	852	596	509	425	441	373
CFSM	1.08	1.60	1.51	1.28	1.29	1.25	.53	.49	.55	.27	.21	.25
IN.	1.24	1.78	1.74	1.47	1.34	1.44	.59	.56	.61	.31	.24	.27

CAL YR 1985	TOTAL	1077043	MEAN	2951	MAX	17600	MIN	492	CFSM	1.10	IN	14.89
WTR YR 1986	TOTAL	839100	MEAN	2299	MAX	16000	MIN	373	CFSM	.86	IN	11.60

PASCAGOULA RIVER BASIN

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02479000 PASCAGOULA RIVER AT MERRILL, MS

LOCATION.--Lat 30°58'40", long 88°43'35", in SW¼ sec.18, T.1 S., R.7 W., St. Stephens Meridian, George County, Hydrologic Unit 03170006, near right bank on downstream side of bridge on highway between Merrill and Avent, 0.5 mi 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). National Weather Service telemeter at station.

AVERAGE DISCHARGE.--56 years, 9,939 ft³/s, 20.48 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, 61,000 ft³/s, Nov. 2, gage height, 23.08 ft; minimum discharge, 1,200 ft³/s, Sept. 30, gage height, 2.36 ft.

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	6530	58400	9630	21700	6120	4870	5020	2700	16300	2240	2390	1450
2	9860	60400	8910	31100	5740	4700	4800	2600	17200	2200	2200	1530
3	10900	59400	8240	29300	5480	4570	4600	2550	18700	2160	2120	1730
4	11800	53900	7920	21000	5400	4480	4420	2900	16600	2090	1980	2850
5	9630	47100	7280	15000	10800	4370	4190	2920	12900	2080	1820	3730
6	7450	39600	6550	11800	18000	4230	4040	2610	9740	1980	1700	3460
7	5900	29400	5790	10000	21200	4140	3880	2410	7300	1940	1640	3920
8	4730	18500	5180	9970	22300	4050	3740	2330	6050	1890	1580	4130
9	3900	11800	4830	9420	21200	3940	3920	2240	5320	1880	1590	3580
10	3380	9170	4620	9080	18400	3860	4340	2190	4720	1850	1670	2870
11	3040	7970	4490	10100	16100	3800	4450	2130	4640	1780	1690	2420
12	2840	7220	7250	11600	15500	3880	4480	2140	4830	1730	1950	2150
13	2690	6670	21400	10900	13200	9140	5700	2760	4660	1690	1980	2090
14	2550	6260	31300	9400	10600	16400	6050	3730	4280	1660	1870	2040
15	2440	5920	33800	8310	9830	19700	5670	4600	3860	1700	2000	1830
16	4000	5630	32900	7500	9350	21300	5240	5590	3500	1900	2200	1680
17	7810	5420	29300	6900	8770	21100	4800	5160	3230	2120	2090	1570
18	6020	5280	23500	6520	9000	20000	4300	4000	3110	3080	1900	1480
19	4280	5130	17200	6410	8970	15900	3910	4820	2910	5720	2030	1530
20	3630	5010	12400	7180	8460	15000	3640	5590	2850	6120	2000	1790
21	3250	4880	9740	7870	7840	16600	3570	5810	2740	4960	1830	1670
22	3020	4800	8420	7880	7310	16300	3780	4950	2690	3860	1760	1570
23	2890	4650	7580	7380	6800	16300	4340	5010	2530	3340	1760	1510
24	2860	4540	6960	6680	6360	14800	4500	4320	2350	3010	1690	1620
25	4320	4460	6490	6240	5930	11100	4230	3480	2240	2680	1600	1620
26	6530	4380	6110	7110	5580	8330	3770	3140	2180	2730	1520	1450
27	6200	4380	5830	8070	5300	7120	3400	3480	2190	2650	1560	1410
28	10500	5040	5820	8330	5070	6460	3140	7030	2140	2540	1890	1340
29	28000	7290	7310	7800	---	6000	2960	10700	2140	2330	2160	1270
30	42500	9020	9780	7260	---	5600	2840	13900	2100	2180	1780	1220
31	52700	---	10200	6680	---	5290	---	16300	---	2360	1540	---
TOTAL	276150	501620	366730	334490	294610	303330	127720	144090	176000	80450	57490	62510
MEAN	8908	16720	11830	10790	10520	9785	4257	4648	5867	2595	1855	2084
MAX	52700	60400	33800	31100	22300	21300	6050	16300	18700	6120	2390	4130
MIN	2440	4380	4490	6240	5070	3800	2840	2130	2100	1660	1520	1220
CFSM	1.35	2.54	1.80	1.64	1.60	1.49	.65	.71	.89	.39	.28	.32
IN.	1.56	2.83	2.07	1.89	1.66	1.71	.72	.81	.99	.45	.32	.35
CAL YR 1985	TOTAL	3157510	MEAN	8651	MAX	60400	MIN	1490	CFSM	1.31	IN	17.82
WTR YR 1986	TOTAL	2725190	MEAN	7466	MAX	60400	MIN	1220	CFSM	1.13	IN	15.38

PASCAGOULA RIVER BASIN

02479000 PASCAGOULA RIVER AT MERRILL, MS

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.96	22.84	9.17	14.88	6.78	5.91	6.12	4.03	12.45	3.33	3.42	2.61
2	9.13	23.02	8.74	18.19	6.51	5.78	5.95	3.92	12.89	3.28	3.22	2.71
3	9.75	22.93	8.32	17.64	6.31	5.68	5.79	3.87	13.55	3.24	3.15	2.97
4	10.21	22.40	8.12	14.70	6.25	5.62	5.64	4.21	12.55	3.16	3.00	4.14
5	8.99	21.56	7.70	11.99	9.53	5.54	5.46	4.22	10.76	3.14	2.83	4.96
6	7.65	20.21	7.21	10.37	13.31	5.43	5.32	3.92	8.97	3.03	2.70	4.73
7	6.59	17.64	6.67	9.36	14.70	5.36	5.18	3.72	7.47	2.98	2.64	5.13
8	5.72	13.58	6.22	9.32	15.12	5.29	5.07	3.62	6.61	2.92	2.58	5.32
9	5.04	10.34	5.96	9.00	14.69	5.20	5.21	3.53	6.08	2.91	2.58	4.86
10	4.59	8.85	5.79	8.78	13.46	5.14	5.56	3.47	5.61	2.87	2.70	4.22
11	4.28	8.11	5.68	9.39	12.41	5.10	5.64	3.40	5.54	2.78	2.73	3.78
12	4.09	7.63	7.58	10.21	12.14	5.16	5.66	3.41	5.69	2.72	3.04	3.49
13	3.94	7.27	14.76	9.84	10.96	8.71	6.58	4.03	5.56	2.68	3.08	3.43
14	3.81	6.99	18.25	8.96	9.55	12.70	6.83	4.91	5.25	2.64	2.96	3.37
15	3.70	6.75	18.98	8.29	9.12	14.22	6.56	5.63	4.89	2.68	3.11	3.14
16	5.01	6.55	18.74	7.77	8.84	14.89	6.23	6.37	4.58	2.91	3.34	2.96
17	7.89	6.40	17.65	7.38	8.50	14.84	5.89	6.05	4.34	3.15	3.23	2.83
18	6.67	6.31	15.72	7.11	8.64	14.39	5.49	5.13	4.21	4.07	3.03	2.73
19	5.36	6.20	13.06	7.03	8.64	12.49	5.16	5.79	4.03	6.23	3.19	2.78
20	4.82	6.11	10.67	7.55	8.32	12.04	4.93	6.36	3.97	6.52	3.16	3.09
21	4.49	6.01	9.20	7.99	7.94	12.86	4.87	6.52	3.86	5.67	2.98	2.96
22	4.28	5.95	8.41	8.00	7.60	12.71	5.04	5.87	3.81	4.78	2.90	2.84
23	4.17	5.84	7.87	7.67	7.27	12.69	5.51	5.92	3.65	4.33	2.91	2.75
24	4.13	5.75	7.46	7.20	6.97	12.01	5.63	5.37	3.46	4.02	2.84	2.90
25	5.39	5.68	7.15	6.90	6.68	10.05	5.40	4.65	3.34	3.70	2.73	2.89
26	7.07	5.61	6.88	7.47	6.42	8.42	5.02	4.34	3.27	3.75	2.65	2.68
27	6.86	5.60	6.67	8.10	6.22	7.63	4.69	4.64	3.29	3.67	2.71	2.63
28	9.43	6.12	6.67	8.26	6.06	7.19	4.45	7.29	3.22	3.55	3.10	2.54
29	17.10	7.71	7.68	7.92	---	6.85	4.29	9.59	3.22	3.33	3.40	2.45
30	20.76	8.80	9.22	7.57	---	6.57	4.16	11.25	3.18	3.17	2.98	2.38
31	22.26	---	9.46	7.17	---	6.34	---	12.48	---	3.37	2.71	---
MEAN	7.42	10.49	9.73	9.42	9.25	8.80	5.44	5.40	5.98	3.57	2.95	3.34
MAX	22.26	23.02	18.98	18.19	15.12	14.89	6.83	12.48	13.55	6.52	3.42	5.32
MIN	3.70	5.60	5.68	6.90	6.06	5.						

PASCAGOULA RIVER BASIN

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

LOCATION.--Lat 30 52 42 , long 88 46 20 , on line between secs.15 and 22, T.2 S., R.8 W., St. Stephens Meridian, George County, Hydrologic Unit 03170006, on downstream side of bridge on State Highway 26, 2.1 mi east of Benndale, and at mile 67.0.

DRAINAGE AREA.--6,680 m12.

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 m1 upstream (sta" years 1958-59, 1962-63, and 1966-75, equivalent data was collected 13.8 m1 upstream (station 02479000).

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT 25...	1100	3950	105	6.70	24.0	13	8.3	98	160	120
DEC 17...	1400	29400	60	6.60	9.5	43	9.0	78	3700	1600
FEB 20...	1330	8540	82	6.70	14.0	15	8.2	80	360	130
APR 23...	1330	4440	113	6.90	23.0	6.0	8.0	93	120	K30
JUN 18...	1100	3180	122	7.00	28.5	7.1	7.3	94	170	67
AUG 27...	1300	1600	165	7.00	30.5	10	6.1	82	K51	K30

DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS NONCARB MG/L AS CACO3	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE IT-FLD (MG/L AS HCO3)
OCT 25...	19	5	5.3	1.3	12	56	1	1.7	17
DEC 17...	16	6	4.7	0.9	4.5	36	0.5	1.8	12
FEB 20...	19	5	5.7	1.2	8.3	47	0.9	1.2	17
APR 23...	21	3	6.3	1.3	12	53	1	1.7	21
JUN 18...	23	3	6.7	1.5	14	55	1	1.8	25
AUG 27...	22	3	6.3	1.5	21	64	2	2.6	23

PASCAGOULA RIVER BASIN

02479020 PASCAGOULA RIVER NEAR BENNDAL, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ALKA- LINIT- Y, CAR- BON- ATE- IT-FLD (MG/L - 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)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)
OCT 25...	14	12	15	<0.1	10	71	66	0.1	757
DEC 17...	10	12	7.8	<0.1	8.7	46	47	0.06	3650
FEB 20...	14	9.0	12	<0.1	10	59	56	0.08	1360
APR 23...	18	12	14	<0.1	10	76	69	0.1	911
JUN 18...	20	11	17	<0.1	11	81	75	0.11	695
AUG 27...	19	14	25	<0.1	11	101	94	0.14	436

DATE	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	SEDI- MENT, DIS- CHARGE, SUS- PENDEED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	
OCT 25...	0.32	0.05	0.4	0.08	0.06	0.04	16	171	60
DEC 17...	0.11	0.05	0.7	0.07	0.02	0.01	83	6590	77
FEB 20...	0.20	0.07	0.5	0.05	0.02	<0.01	16	369	82
APR 23...	0.34	0.04	0.5	0.09	0.05	0.05	21	252	92
JUN 18...	0.23	0.03	0.5	0.08	0.06	0.04	24	206	66
AUG 27...	0.22	<0.01	0.5	0.13	0.10	0.08	23	99	78

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
DEC 17...	210	<1	35	<0.5	<1	<1	<3	1	400	<1
FEB 20...	80	<1	36	<0.5	<1	<1	<3	1	250	2
AUG 27...	30	1	36	<0.5	<1	<1	<3	4	360	<5

DATE	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
DEC 17...	<4	47	<0.1	<10	<1	<1	<1	44	<6	17
FEB 20...	<4	21	<0.1	<10	2	<1	<1	56	<6	12
AUG 27...	<4	44	0.1	<10	<1	<1	<1	69	<6	12

PASCAGOULA RIVER BASIN

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02479130 BLACK CREEK NEAR BROOKLYN, MS

LOCATION.--Lat 31°03'06", long 89°12'16", in NW¼NE¼ sec.16, T.1 N., R.12 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 0317007, 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 Mississippi State Highway Department datum.

REMARKS.--Estimated daily discharges: July 6-16. Records good.

AVERAGE DISCHARGE.--16 years, 678 ft³/s, 25.94 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)
Oct. 31	0030	*9,220	*20.32	Dec. 13	1200	4,340	14.33

Minimum daily discharge, 72 ft³/s, Aug. 8.

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	1380	5070	500	1720	358	299	214	135	650	131	100	89
2	1150	2590	602	1830	349	292	211	130	437	189	92	110
3	953	2000	441	1560	345	292	207	128	294	167	91	304
4	825	1510	368	1010	418	289	202	123	243	136	86	385
5	499	1060	331	696	1640	281	198	121	275	119	81	251
6	313	802	304	537	1620	272	195	119	302	114	76	171
7	248	671	285	808	1270	263	193	119	477	108	73	142
8	212	592	273	1000	886	256	190	117	497	106	72	120
9	194	521	270	773	689	252	189	116	284	104	112	105
10	185	473	264	829	632	248	182	113	253	100	113	103
11	175	430	286	1180	847	249	175	117	353	98	325	96
12	167	396	1470	920	657	327	326	156	330	96	258	90
13	160	380	3920	762	650	1760	635	180	239	94	206	92
14	159	369	2710	637	597	1330	465	175	184	92	208	87
15	161	358	1750	543	580	1030	371	150	157	100	276	82
16	654	350	1220	498	539	836	296	133	218	110	253	77
17	855	350	904	473	501	648	233	121	286	148	166	79
18	516	335	671	466	504	493	204	161	267	284	133	79
19	385	321	569	481	505	431	188	1090	206	221	124	77
20	307	309	519	489	554	585	200	795	190	167	109	77
21	263	297	481	453	467	495	273	425	190	153	102	81
22	234	288	454	411	412	396	276	297	235	242	127	85
23	217	281	439	378	383	335	260	207	204	176	137	81
24	213	274	427	361	360	298	218	167	161	157	128	85
25	234	270	404	453	340	280	180	173	137	168	109	81
26	293	269	380	814	323	265	166	1100	127	233	93	76
27	417	280	373	644	314	253	156	1570	126	182	87	74
28	2590	676	466	513	307	246	152	1710	121	135	84	76
29	4870	802	642	450	---	238	146	1270	124	127	119	75
30	8350	539	647	400	---	229	141	1380	133	119	102	77
31	8220	---	954	373	---	221	---	1170	---	113	91	---
TOTAL	35399	22863	23324	22462	17047	13689	7042	13768	7700	4489	4133	3407
MEAN	1142	762	752	725	609	442	235	444	257	145	133	114
MAX	8350	5070	3920	1830	1640	1760	635	1710	650	284	325	385
MIN	159	269	264	361	307	221	141	113	121	92	72	74
CFSM	3.22	2.15	2.12	2.04	1.72	1.25	.66	1.25	.72	.41	.38	.32
IN.	3.71	2.40	2.44	2.35	1.79	1.43	.74	1.44	.81	.47	.43	.36

CAL YR 1985 TOTAL 202415 MEAN 555 MAX 8350 MIN 82 CFSM 1.56 IN 21.21
WTR YR 1986 TOTAL 175323 MEAN 480 MAX 8350 MIN 72 CFSM 1.35 IN 18.37

PASCAGOULA RIVER BASIN

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

LOCATION.--Lat 31°01'30", long 89°01'00", in NW¼NE¼ sec.29, T.1 N., R.10 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170007, on right bank at downstream side of bridge on State Highway 29, 1.2 mi 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, above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Feb. 21 to Mar. 26 and Aug. 3-12. Records good except those for estimated daily discharge, which are fair.

AVERAGE DISCHARGE.--20 years, 99.1 ft³/s, 25.59 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)
Oct. 28	2030	3,050	20.60	Dec. 13	0900	2,130	17.92
Oct. 30	0730	*3,070	*20.65				

Minimum discharge, 7.2 ft³/s, July 14, 15, gage height, 5.44 ft.

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	186	597	66	365	43	31	28	13	43	15	8.5	9.5
2	133	260	76	141	41	30	27	13	24	13	8.9	44
3	76	187	52	97	41	32	26	15	17	14	12	57
4	57	144	45	78	110	32	25	15	15	13	10	30
5	47	113	42	69	671	30	25	14	15	9.4	9.4	18
6	39	93	43	60	299	29	24	14	14	9.0	8.8	13
7	35	82	41	147	163	28	24	13	12	9.2	8.4	11
8	32	73	40	176	118	27	23	11	19	8.9	8.2	10
9	32	64	39	94	98	26	22	11	20	8.6	8.0	15
10	32	59	38	119	121	25	22	9.9	17	8.1	10	23
11	31	56	61	224	177	25	21	9.9	21	7.8	13	16
12	29	53	545	121	105	90	73	11	19	7.8	16	12
13	28	49	1740	87	80	300	132	14	14	7.6	18	11
14	27	48	448	72	75	170	57	12	13	7.3	15	9.5
15	29	47	182	65	85	110	37	11	11	142	13	8.6
16	51	45	134	59	72	85	27	11	13	56	13	8.2
17	276	42	113	58	77	65	23	9.4	21	30	12	8.8
18	90	41	98	58	107	55	21	22	21	40	12	15
19	46	39	85	56	77	50	20	71	15	21	12	17
20	36	38	75	51	66	190	26	37	13	14	11	23
21	32	36	69	47	62	200	45	19	58	14	9.8	23
22	33	36	65	45	56	140	32	13	28	13	16	15
23	60	35	63	44	50	100	23	11	16	11	15	29
24	47	34	60	42	45	75	20	10	13	11	12	20
25	113	34	55	96	41	58	19	9.9	12	12	9.9	14
26	81	34	52	194	38	50	18	18	11	11	8.7	40
27	76	36	53	91	35	42	18	45	13	11	8.0	22
28	1810	45	80	61	33	39	16	133	12	11	21	15
29	1880	81	88	55	---	34	17	363	11	10	15	12
30	2460	75	63	51	---	32	16	102	15	11	10	10
31	1000	---	143	46	---	30	---	111	---	11	9.1	---
TOTAL	8904	2576	4754	2969	2986	2230	907	1172.1	546	567.7	361.7	559.6
MEAN	287	85.9	153	95.8	107	71.9	30.2	37.8	18.2	18.3	11.7	18.7
MAX	2460	597	1740	365	671	300	132	363	58	142	21	57
MIN	27	34	38	42	33	25	16	9.4	11	7.3	8.0	8.2
CFSM	5.46	1.63	2.91	1.82	2.03	1.37	.57	.72	.35	.35	.22	.36
IN.	6.30	1.82	3.36	2.10	2.11	1.58	.64	.83	.39	.40	.26	.40
CAL YR 1985	TOTAL	37043.2	MEAN	101	MAX	2460	MIN	6.3	CFSM	1.92	IN	26.20
WTR YR 1986	TOTAL	28533.1	MEAN	78.2	MAX	2460	MIN	7.3	CFSM	1.49	IN	20.18

PASCAGOULA RIVER BASIN

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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 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI KF AGAR (COLS. PER 100 ML)
OCT 25...	1400	142	24	5.20	23.0	6.0	8.0	93	K65	K15
JAN 23...	1230	44	21	5.30	10.5	4.4	11.0	98	K25	K38
APR 23...	1300	23	20	5.80	18.5	1.7	8.7	92	K27	K4
JUL 23...	1430	11	21	5.60	28.0	2.7	7.1	90	K49	K47

DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS NONCARB MG/L AS CACO3	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE IT-FLD (MG/L AS HCO3)
OCT 25...	4	3	0.9	0.5	1.9	46	0.4	0.5	1.0
JAN 23...	4	3	0.8	0.4	2.3	53	0.5	0.6	2.0
APR 23...	3	0	0.7	0.4	2.1	54	0.5	0.4	6.0
JUL 23...	3	0	0.69	0.35	1.9	53	0.5	0.4	5.0

DATE	ALKA- LINITY, CARBON- ATE IT-FLD (MG/L - CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)
OCT 25...	1.0	7.7	3.6	<0.1	12	39	28	0.05	15
JAN 23...	1.0	8.4	3.5	<0.1	11	22	28	0.03	2.6
APR 23...	5.0	4.8	3.6	<0.1	9.7	33	25	0.05	2.0
JUL 23...	4.0	5.7	2.9	<0.1	9.9	25	24	0.03	0.74

DATE	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 25...	<0.10	0.03	0.5	0.01	0.01	0.01	26	10	64
JAN 23...	<0.10	0.03	0.5	0.01	0.01	0.02	1	0.12	10
APR 23...	<0.10	0.03	0.4	<0.01	<0.01	<0.01	1	0.06	50
JUL 23...	<0.10	--	0.4	0.01	0.01	<0.01	10	0.3	66

PASCAGOULA RIVER BASIN

02479155 CYPRESS CREEK NEAR JANICE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 25...	220	<1	36	<0.5	<1	<1	<3	<1	260	<1
JAN 23...	160	<1	24	<0.5	<1	<1	<3	5	140	1

DATE	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 25...	<4	68	<0.1	<10	3	<1	<1	9	<6	13
JAN 23...	<4	48	<0.1	<10	<1	<1	<1	7	<6	28

DATE	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L)
OCT 25...	0.6	0.5	2.0	<0.7	1.9	<0.7	0.09	<0.12

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	COLOR (PLAT- INUM- COBALT UNITS)
FEB 24...	1700	99001	45	19	5.50	20
MAR 03...	1650	99001	32	18	5.70	20
10...	1450	99001	25	19	5.80	20
18...	0615	99001	55	20	5.35	30
25...	0645	99001	58	20	5.50	30
31...	1610	99001	30	19	5.75	20
APR 07...	1545	99001	23	19	5.70	20
08...	1400	1028	23	22	5.65	30
15...	0625	99001	39	20	5.40	30
21...	1835	99001	46	22	5.80	30
29...	0715	99001	17	22	5.65	20
MAY 05...	1630	99001	14	23	5.75	30
12...	1910	99001	11	23	5.85	30
19...	1950	99001	61	22	5.40	30
26...	1645	99001	20	21	6.25	30
JUN 02...	1700	99001	22	23	5.20	40
09...	1900	99001	18	21	5.75	40
16...	1830	99001	14	21	5.80	40

PASCAGOULA RIVER BASIN

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02479160 BLACK CREEK NEAR WIGGINS, MS

LOCATION.--Lat 30°51'12", long 88°54'49", in SW¼ sec.20, T.2 S., R.9 W., St. Stephens Meridian, Stone County, Hydrologic Unit 03170007, on left bank on downstream side of bridge on State Highway 26, 1.7 mi 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.

GAGE.--Water-stage recorder. 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.

AVERAGE DISCHARGE.--15 years, 1,413 ft³/s, 27.37 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)
Oct. 31	1700	*15,800	*23.45	Dec. 14	1930	7,730	19.98

Minimum discharge, 168 ft³/s, Aug. 9, gage height, 3.92 ft.

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	1700	14900	1150	2530	741	589	506	304	1900	350	241	201
2	2960	12400	1280	2890	709	573	490	299	1120	338	220	242
3	2000	8650	1150	2530	693	565	481	292	827	373	242	370
4	1500	5060	917	2140	729	614	469	283	640	345	221	612
5	1160	3010	818	1620	3050	598	455	273	626	292	202	606
6	797	2320	764	1180	3940	554	446	269	628	259	187	433
7	610	2040	741	1220	2950	529	439	268	619	254	180	321
8	520	1790	703	2240	2170	510	431	267	774	252	174	271
9	469	1550	676	1950	1660	496	428	262	752	243	169	239
10	443	1370	661	1570	1320	493	420	255	592	232	193	247
11	422	1240	656	2280	1860	493	405	247	675	227	277	303
12	395	1120	1680	2230	1740	510	582	258	698	228	593	255
13	373	1020	5380	1740	1260	2400	1440	302	603	220	476	219
14	353	965	7440	1400	1140	3420	1220	321	479	208	406	200
15	341	921	6870	1170	1200	2140	825	314	406	304	403	190
16	390	877	3660	1030	1100	1590	656	283	438	456	441	179
17	1510	831	2310	965	1010	1260	551	258	497	299	410	172
18	1540	816	1920	935	1600	996	474	267	567	385	345	187
19	824	767	1530	920	1180	871	434	1040	530	552	285	236
20	641	720	1300	909	1020	2090	426	1730	595	410	253	203
21	547	678	1160	884	974	2200	506	998	543	336	241	203
22	483	651	1090	830	861	1270	558	626	582	599	284	204
23	463	630	1030	781	789	943	507	479	517	556	307	196
24	462	614	985	742	732	811	468	381	431	380	316	206
25	564	600	926	758	683	729	419	328	368	338	275	197
26	642	594	865	1660	649	675	374	395	342	329	239	209
27	601	602	830	1620	625	639	353	2020	313	404	214	237
28	3190	820	903	1110	606	606	337	2610	299	413	222	194
29	7200	1570	1190	935	---	572	331	3890	285	293	236	180
30	12300	1480	1240	856	---	545	320	3430	297	252	228	170
31	15400	---	1130	786	---	524	---	2430	---	255	212	---
TOTAL	60800	70606	52955	44411	36991	30805	15751	25379	17943	10382	8692	7682
MEAN	1961	2354	1708	1433	1321	994	525	819	598	335	280	256
MAX	15400	14900	7440	2890	3940	3420	1440	3890	1900	599	593	612
MIN	341	594	656	742	606	493	320	247	285	208	169	170
CFSM	2.80	3.36	2.44	2.04	1.88	1.42	.75	1.17	.85	.48	.40	.37
IN.	3.23	3.75	2.81	2.36	1.96	1.63	.84	1.35	.95	.55	.46	.41

CAL YR 1985	TOTAL	436858	MEAN	1197	MAX	15400	MIN	158	CFSM	1.71	IN	23.18
WTR YR 1986	TOTAL	382397	MEAN	1048	MAX	15400	MIN	169	CFSM	1.50	IN	20.29

PASCAGOULA RIVER BASIN

02479300 RED CREEK AT VESTRY, MS

LOCATION.--Lat 30°44'10", long 88°46'50", in SW1SW4 sec.34, T.3 S., R.8 W., St. Stephens Meridian, George County, Hydrologic Unit 03170007, near center of channel on downstream side of bridge on county highway, 0.5 mi north of Vestry, and 1.1 mi upstream from Little Red Creek.

DRAINAGE AREA.--441 mi².

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

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

REMARKS.--Estimated daily discharges: Oct. 1-17, May 7 to June 17. Records good except for estimated daily discharges, which are fair.

AVERAGE DISCHARGE.--28 years, 854 ft³/s, 26.30 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26,800 ft³/s, Apr. 8, 1983, gage height, 21.18 ft, from floodmark; 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)
Oct. 31	2030	*8,620	*16.27	Dec 15	1800	4,500	14.50

Minimum discharge, 125 ft³/s, Sept. 17, gage height, 4.05 ft.

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	1300	7680	874	930	515	432	397	243	1500	232	198	135
2	1800	5470	936	948	493	422	381	237	900	535	181	139
3	1200	3580	838	849	477	419	370	228	600	365	179	144
4	850	1990	652	762	487	531	360	220	500	264	176	160
5	600	1370	561	678	1720	730	351	214	475	229	161	219
6	470	1090	510	626	2640	633	344	212	475	204	153	413
7	380	903	474	694	2440	525	340	210	500	190	177	253
8	320	797	451	1110	1710	460	330	212	590	182	191	198
9	290	715	433	1200	1410	425	322	206	600	182	165	172
10	275	658	421	1030	1090	410	309	200	480	203	164	168
11	260	622	415	1430	1030	404	297	196	500	190	196	233
12	245	593	969	1530	1120	409	393	220	510	180	204	228
13	238	564	2390	1190	950	1970	958	238	440	174	191	186
14	230	548	3490	923	785	2760	1150	250	390	166	195	157
15	228	527	4350	775	755	2110	816	240	340	171	211	142
16	270	514	3830	696	787	1250	595	225	330	191	218	132
17	380	493	2210	650	741	811	444	212	340	203	191	132
18	407	482	1310	625	707	617	378	250	360	210	192	143
19	415	481	1040	609	788	580	341	800	447	237	178	144
20	381	461	901	590	708	1810	327	1200	369	215	160	175
21	354	446	817	564	633	2540	370	800	344	202	159	170
22	335	432	755	537	589	1870	416	450	351	225	182	166
23	319	422	714	516	559	1040	388	350	293	404	213	158
24	314	411	690	490	530	759	340	310	249	311	213	149
25	414	403	658	537	502	639	307	290	222	295	181	145
26	614	398	623	1030	479	569	284	600	218	349	160	142
27	491	546	601	1070	461	526	268	1200	220	333	151	140
28	1690	977	659	839	446	491	261	2200	212	477	168	133
29	3550	1280	871	673	---	459	258	2900	234	473	155	130
30	7490	1140	827	596	---	433	250	2800	226	340	144	129
31	8480	---	736	548	---	417	---	2000	---	233	137	---
TOTAL	34590	35993	35006	25245	25552	27451	12345	19913	13215	8165	5544	5135
MEAN	1116	1200	1129	814	913	886	412	642	441	263	179	171
MAX	8480	7680	4350	1530	2640	2760	1150	2900	1500	535	218	413
MIN	228	398	415	490	446	404	250	196	212	166	137	129
CFSM	2.53	2.72	2.56	1.85	2.07	2.01	.93	1.46	1.00	.60	.41	.39
IN.	2.92	3.04	2.95	2.13	2.16	2.32	1.04	1.68	1.11	.69	.47	.43
CAL YR 1985	TOTAL	288215	MEAN	790	MAX	8480	MIN	119	CFSM	1.79	IN	24.31
WTR YR 1986	TOTAL	248154	MEAN	680	MAX	8480	MIN	129	CFSM	1.54	IN	20.93

PASCAGOULA RIVER BASIN

95

02479560 ESCATAWPA RIVER NEAR AGRICOLA, MS

LOCATION.--Lat 30°48'32", long 88°27'41", in SW¼ sec.2, T.3 S., R.5 W., George County, Hydrologic Unit 03170008, near left bank on downstream side of bridge on County Road 612, 2.5 mi west of Alabama-Mississippi State line, 3.7 mi east of Agricola, 4.8 mi downstream of old gage at Escatawpa River near Wilmer, AL, and 6.7 mi west of Wilmer, AL.

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.--No estimated daily discharges. Records good.

AVERAGE DISCHARGE.--13 years, 1,262 ft³/s, 30.49 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)
Oct. 31	0100	*11,500	*17.84	Feb. 6	1000	5,330	14.83
Dec. 14	1400	5,070	14.57	Mar. 21	1900	6,160	15.47

Minimum discharge, 140 ft³/s, July 15.

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	2270	10600	2300	2670	690	594	706	339	1040	239	429	189
2	3050	9510	2100	3830	651	573	664	327	932	264	324	202
3	2640	7870	1680	3990	617	562	629	315	954	299	311	276
4	2130	5650	1300	3960	642	740	601	303	892	286	271	286
5	1650	3530	1100	3180	4180	677	575	293	920	221	210	658
6	1310	2490	986	2310	5210	580	552	289	800	199	175	600
7	1070	1980	865	1890	4030	536	533	286	565	187	167	528
8	864	1620	739	2000	3060	509	514	280	405	179	164	413
9	721	1350	666	1630	2870	491	787	271	370	167	188	334
10	611	1160	623	1520	2600	485	1030	257	640	157	214	395
11	538	1010	654	2250	2500	482	990	254	728	151	264	363
12	486	907	1800	2090	2460	483	1120	282	611	170	275	307
13	446	831	3870	1620	1930	2270	1910	408	487	171	231	296
14	412	778	4990	1330	1530	4500	1600	394	397	153	212	282
15	387	739	4710	1160	1540	4360	1240	349	337	144	444	232
16	404	704	4460	1060	1510	3480	1020	299	324	148	513	194
17	814	672	4010	972	1480	2930	879	271	599	150	405	173
18	830	643	3030	911	1570	2190	778	261	640	296	355	164
19	691	618	2180	865	1520	1870	701	1210	583	271	291	165
20	591	602	1660	780	1300	3920	653	1780	517	214	240	160
21	555	611	1340	722	1220	5920	595	1100	618	237	196	155
22	560	597	1140	683	1170	5260	538	670	606	422	196	172
23	493	571	1010	659	1090	3420	516	462	415	416	301	249
24	434	543	910	643	935	2490	487	370	308	323	292	225
25	562	523	827	703	800	1930	446	323	252	389	251	219
26	594	517	759	1270	710	1570	414	290	254	333	274	312
27	733	825	727	1250	660	1340	391	299	533	257	237	276
28	2990	2220	891	1040	621	1130	374	343	351	252	247	224
29	6400	3340	1270	892	---	947	368	606	279	342	246	183
30	10200	2970	1190	803	---	825	356	893	260	290	226	170
31	11300	---	1100	742	---	759	---	1240	---	279	200	---
TOTAL	56736	65981	54887	49425	49096	57823	21967	15064	16617	7606	8349	8402
MEAN	1830	2199	1771	1594	1753	1865	732	486	554	245	269	280
MAX	11300	10600	4990	3990	5210	5920	1910	1780	1040	422	513	658
MIN	387	517	623	643	617	482	356	254	252	144	164	155
CFSM	3.26	3.91	3.15	2.84	3.12	3.32	1.30	.86	.99	.44	.48	.50
IN.	3.76	4.37	3.63	3.27	3.25	3.83	1.45	1.00	1.10	.50	.55	.56

CAL YR 1985	TOTAL	448429	MEAN	1229	MAX	11900	MIN	106	CFSM	2.19	IN	29.68
WTR YR 1986	TOTAL	411953	MEAN	1129	MAX	11300	MIN	144	CFSM	2.01	IN	27.27

BILOXI RIVER BASIN

02481000 BILOXI RIVER AT WORTHAM, MS

LOCATION.--Lat 30°33'30", long 89°07'20", in SE1SE4 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 and Gulf Railroad bridge, 1.1 mi upstream from Saucier Creek, 4.2 mi north of Lyman, and 18.8 mi upstream from mouth.

DRAINAGE AREA.--96.1 mi².

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

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

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

REMARKS.--Estimated daily discharges: Oct. 8-16 and Nov. 6-20. Records good except for estimated daily discharges, which are fair.

AVERAGE DISCHARGE.--34 years, 191 ft³/s, 26.99 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)
Oct. 28	1330	3,390	13.10	Dec. 13	0815	2,560	11.16
Oct. 29	2245	*4,440	*15.34				

Minimum discharge, 4.9 ft³/s, July 15, Aug. 7, gage height, 1.70 ft.

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	1230	1060	216	243	69	38	44	16	60	14	14	7.9
2	1330	543	261	199	63	35	41	15	33	11	9.6	7.2
3	490	384	203	138	60	35	39	14	22	12	8.9	16
4	271	301	134	108	124	181	36	13	17	8.4	7.6	15
5	209	243	104	99	1380	240	34	12	14	6.8	6.1	14
6	165	220	87	90	975	121	32	12	13	6.5	5.5	12
7	151	200	73	231	454	71	31	12	12	8.1	5.2	9.2
8	135	175	63	372	475	53	29	11	11	13	5.5	7.5
9	122	165	58	235	395	44	29	11	12	11	5.6	6.4
10	110	142	53	285	259	40	28	11	46	7.3	6.5	5.9
11	102	132	54	636	255	39	26	10	54	6.1	12	6.9
12	96	120	493	380	246	71	170	11	53	6.0	74	15
13	90	108	2140	229	171	1020	322	12	30	6.0	41	16
14	86	98	1490	176	148	672	181	12	18	5.4	22	11
15	82	90	743	148	160	279	91	11	13	11	23	7.7
16	252	82	333	129	146	173	54	10	12	32	21	6.3
17	384	76	252	116	124	127	38	10	10	9.6	16	5.8
18	167	70	210	110	153	96	31	11	22	8.4	25	26
19	106	66	179	104	141	130	27	118	32	13	19	18
20	78	62	155	89	112	1150	59	202	34	9.5	13	21
21	82	58	136	75	93	784	140	99	61	11	9.5	14
22	84	55	120	66	83	368	101	37	29	11	11	12
23	60	51	110	60	74	211	52	23	17	9.4	33	24
24	109	48	103	55	64	168	33	17	12	37	29	14
25	802	46	90	112	54	138	27	14	9.5	42	20	9.1
26	306	46	76	426	48	113	23	14	8.1	50	17	7.4
27	227	197	69	258	44	95	20	15	7.3	97	13	6.4
28	2640	482	138	147	41	81	19	14	7.2	396	11	5.9
29	3250	496	228	110	---	67	18	57	7.3	91	11	5.4
30	3530	335	151	95	---	57	17	219	22	29	8.8	5.7
31	2030	---	116	80	---	50	---	126	---	19	8.4	---
TOTAL	18776	6151	8638	5601	6411	6747	1792	1169	698.4	997.5	512.2	338.7
MEAN	606	205	279	181	229	218	59.7	37.7	23.3	32.2	16.5	11.3
MAX	3530	1060	2140	636	1380	1150	322	219	61	396	74	26
MIN	60	46	53	55	41	35	17	10	7.2	5.4	5.2	5.4
CFSM	6.31	2.13	2.90	1.88	2.38	2.27	.62	.39	.24	.34	.17	.12
IN.	7.27	2.38	3.34	2.17	2.48	2.61	.69	.45	.27	.39	.20	.13
CAL YR 1985	TOTAL	92667.8	MEAN	254	MAX	5830	MIN	3.1	CFSM	2.64	IN	35.87
WTR YR 1986	TOTAL	57831.8	MEAN	158	MAX	3530	MIN	5.2	CFSM	1.64	IN	22.39

WOLF RIVER BASIN

97

02481510 WOLF RIVER NEAR LANDON, MS
(National stream-quality accounting network station)

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.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1971 to current year. Occasional discharge measurements, water years 1964-66.

GAGE.--Water-stage recorder. Datum of gage is 19.34 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 18, 1978, at datum 2.00 ft higher.

REMARKS.--Estimated daily discharges, Nov. 22-25, Apr. 5 to May 5, July 10-21, Aug. 5-9, and Sept. 16-18. Records good except for estimated daily discharges, which are fair.

AVERAGE DISCHARGE.-- 15 years, 648 ft³/s, 28.57 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge about 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)
Oct. 29	2130	*8,960	*14.68	Dec. 13	2000	5,130	10.35

Minimum daily discharge, 51 ft³/s, Sept. 1.

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	1460	3720	486	535	256	180	196	88	310	71	67	51
2	1350	2220	583	546	241	174	190	85	223	65	68	58
3	1190	1490	460	452	234	176	185	82	176	66	76	71
4	811	1230	346	412	367	322	183	79	151	103	69	165
5	519	976	285	365	2050	575	178	76	183	79	62	173
6	382	775	254	337	1800	364	176	73	194	73	58	128
7	310	628	236	519	1320	255	172	73	132	73	54	91
8	264	539	223	1130	1210	209	169	72	111	71	56	73
9	237	474	214	819	896	183	166	71	128	70	60	62
10	228	422	208	739	625	174	164	69	344	66	67	59
11	222	390	214	1390	745	171	162	68	1180	64	99	93
12	220	363	1060	1110	683	200	248	210	668	62	143	144
13	218	342	4700	740	502	1710	600	152	289	60	78	89
14	216	320	4070	557	431	1660	557	109	188	58	66	67
15	218	306	2280	457	421	1030	348	91	137	56	77	60
16	526	295	1450	400	424	615	238	80	150	55	97	57
17	653	285	970	369	380	402	182	72	139	54	91	56
18	513	277	734	356	391	313	166	71	145	54	83	54
19	348	270	616	357	389	312	162	726	500	54	73	58
20	292	258	532	339	340	1640	206	778	623	55	64	74
21	242	249	474	305	308	1460	341	408	461	55	60	83
22	241	240	428	283	282	745	299	216	211	103	61	89
23	234	230	402	261	262	481	205	139	152	117	65	77
24	228	225	386	248	241	384	161	107	135	207	64	66
25	379	222	362	329	220	336	145	91	109	158	62	61
26	415	372	331	961	205	301	130	92	99	150	66	60
27	423	855	314	753	196	276	115	409	98	150	59	58
28	4040	848	399	468	189	255	106	698	102	247	78	58
29	6830	709	599	356	---	234	98	1470	124	136	74	58
30	8330	601	492	307	---	216	92	914	137	99	61	57
31	6630	---	400	277	---	204	---	487	---	75	54	---
TOTAL	38169	20131	24508	16477	15608	15557	6340	8156	7599	2806	2212	2350
MEAN	1231	671	791	532	557	502	211	263	253	90.5	71.4	78.3
MAX	8330	3720	4700	1390	2050	1710	600	1470	1180	247	143	173
MIN	216	222	208	248	189	171	92	68	98	54	54	51
CFSM	4.00	2.18	2.57	1.73	1.81	1.63	.69	.85	.82	.29	.23	.25
IN.	4.61	2.43	2.96	1.99	1.89	1.88	.77	.99	.92	.34	.27	.28

CAL YR 1985 TOTAL 231743 MEAN 635 MAX 9010 MIN 37 CFSM 2.06 IN 27.99
WTR YR 1986 TOTAL 159913 MEAN 438 MAX 8330 MIN 51 CFSM 1.42 IN 19.31

WOLF RIVER BASIN

02481510 WOLF RIVER NEAR LANDON, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1964-66, 1978 to September 1986 (discontinued).

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 1978 to September 1981.

WATER TEMPERATURE: May 1978 to September 1981.

REMARKS.--Prior to Oct. 6, 1978, daily values of specific conductance listed as 30 microsiemens represent 30 microsiemens or less due to instrument limitations.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED SATUR- ATION)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT										
24...	1530	222	32	5.10	24.5	5.0	9.0	109	K42	K8
JAN										
23...	1500	255	29	6.00	13.5	3.5	9.9	94	K60	K18
APR										
24...	1000	160	30	6.10	20.5	2.0	9.0	99	--	120
JUL										
23...	1030	106	26	6.00	28.5	3.2	7.3	93	--	--

DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS NONCARB MG/L AS CACO3	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE IT-FLD (MG/L AS HCO3)
OCT									
24...	7	5	1.4	0.8	2.6	41	0.4	1.0	2.0
JAN									
23...	6	4	1.2	0.7	2.8	47	0.5	0.8	2.0
APR									
24...	6	4	1.3	0.7	2.9	46	0.5	1.0	3.0
JUL									
23...	8	4	1.7	0.9	2.6	38	0.4	0.9	5.0

WOLF RIVER BASIN

99

02481510 WOLF RIVER NEAR LONDON, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ALKA- LINIT- Y, CARBON- ATE IT-FLD (MG/L - CAC03)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	
OCT 24...	2.0	8.4	4.7	<0.1	12	36	32	0.05	22	
JAN 23...	2.0	4.8	4.6	<0.1	11	30	27	0.04	21	
APR 24...	2.0	5.5	4.3	<0.1	8.9	31	26	0.04	13	
JUL 23...	4.0	7.8	3.1	<0.1	9.7	31	29	0.04	8.9	
DATE	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	
OCT 24...	<0.10	0.02	0.4	0.02	0.01	0.01	17	10	30	
JAN 23...	<0.10	0.02	0.3	0.01	<0.01	<0.01	1	0.69	8	
APR 24...	<0.10	0.03	0.4	0.01	<0.01	<0.01	7	3.0	43	
JUL 23...	<0.10	0.021	0.4	0.03	0.03	0.01	19	5.4	90	
DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 24...	100	<1	36	<0.5	<1	<1	<3	2	320	1
JAN 23...	80	<1	32	<0.5	<1	<1	<3	1	120	<1
JUL 23...	40	<1	33	<0.5	<1	1	<3	2	46	<5
DATE	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 24...	<4	54	<0.1	<10	3	<1	<1	21	<6	13
JAN 23...	<4	38	<0.1	<10	<1	<1	<1	17	<6	8
JUL 23...	<4	35	0.1	<10	1	<1	<1	29	<6	45

PEARL RIVER BASIN

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 03160108, 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, MS.

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: Oct. 1-22, Nov. 23 to Dec. 2, Dec. 24 to Jan. 6, Jan. 21 to Feb. 25, Mar. 12-24, and July 6-29. Records poor. Telemeter at station.

AVERAGE DISCHARGE.--5 years, 711 ft³/s, 18.57 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,800 ft³/s, May 21, 1983, gage height, 19.77 ft; minimum daily, 0.6 ft³/s, Sept. 30, 1986.

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, 2,210 ft³/s, Dec. 16, gage height, 13.12 ft; minimum, 0.50 ft³/s, Sept. 30, gage height 4.06 ft.

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	70	1300	69	175	72	107	191	18	810	17	5.3	4.4
2	76	1340	75	170	65	94	153	15	753	13	5.2	3.8
3	60	1330	101	165	60	86	142	14	653	15	5.8	7.4
4	40	1160	105	160	130	81	128	10	537	13	5.2	38
5	30	973	101	155	180	76	113	12	506	9.4	4.4	71
6	20	827	103	150	250	70	95	10	486	7.6	4.7	59
7	14	694	103	129	225	64	87	9.0	416	6.5	7.5	46
8	10	554	101	120	200	62	83	7.0	363	5.6	6.7	36
9	7.4	427	87	109	180	64	76	5.3	354	4.8	8.0	30
10	5.7	317	83	99	175	57	91	22	345	4.4	6.5	31
11	4.2	211	89	98	170	50	88	249	303	4.0	40	39
12	3.1	142	265	97	165	47	72	263	241	3.6	39	41
13	2.6	111	683	96	150	160	68	139	214	3.2	73	34
14	2.9	83	947	87	160	180	62	131	191	3.0	75	25
15	3.1	65	1760	83	220	240	57	121	189	4.5	53	19
16	3.1	58	2070	76	210	290	49	88	163	16	38	14
17	2.8	59	1810	71	180	300	48	58	113	13	39	11
18	2.7	62	1410	69	170	320	55	64	93	17	31	8.1
19	2.6	63	1060	70	160	1100	51	157	77	12	28	6.2
20	2.2	64	856	70	150	1700	49	124	71	8.4	21	4.8
21	2.1	71	671	69	145	1800	47	97	55	7.2	15	4.6
22	2.3	74	528	68	140	1800	41	91	42	22	12	4.6
23	10	73	416	67	130	1700	35	89	34	16	10	3.9
24	34	73	340	66	120	1500	29	72	27	12	8.8	3.8
25	79	61	310	120	115	1160	35	49	25	19	4.8	2.5
26	129	55	270	120	136	905	51	40	23	16	3.4	2.0
27	172	65	240	115	129	703	53	115	20	12	4.8	1.7
28	483	66	210	110	120	532	31	423	16	7.3	8.0	2.0
29	659	67	200	92	---	418	21	554	16	6.1	6.2	.74
30	726	68	190	87	---	318	12	639	19	5.3	5.1	.64
31	988	---	180	77	---	242	---	757	---	6.3	5.0	---
TOTAL	3646.8	10513	15433	3240	4307	16226	2113	4442.3	7155	310.2	579.4	555.18
MEAN	118	350	498	105	154	523	70.4	143	239	10.0	18.7	18.5
MAX	988	1340	2070	175	250	1800	191	757	810	22	75	71
MIN	2.1	55	69	66	60	47	12	5.3	16	3.0	3.4	.64
CFSM	.23	.67	.96	.20	.30	1.01	.14	.28	.46	.02	.04	.04
IN.	.26	.75	1.10	.23	.31	1.16	.15	.32	.51	.02	.04	.04
CAL YR 1985 TOTAL	164647.40			MEAN 451	MAX 6120	MIN 1.9	CFSM .87	IN 11.78				
WTR YR 1986 TOTAL	68520.88			MEAN 188	MAX 2070	MIN .64	CFSM .36	IN 4.90				

PEARL RIVER BASIN

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02481880 PEARL RIVER AT BURNSIDE, MS

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	12.36	---	---	---	6.40	7.35	4.90	11.32	4.76	4.46	4.31
2	---	12.42	---	---	---	6.21	6.92	4.85	11.14	4.66	4.46	4.28
3	---	12.40	6.45	---	---	6.09	6.77	4.82	10.74	4.71	4.48	4.39
4	---	12.16	6.51	---	---	6.00	6.60	4.71	10.19	4.66	4.46	5.07
5	---	11.79	6.44	---	---	5.92	6.41	4.75	10.02	4.57	4.42	5.74
6	---	11.37	6.48	---	---	5.82	6.15	4.72	9.90	---	4.43	5.51
7	---	10.91	6.48	6.87	---	5.72	6.03	4.68	9.41	---	4.54	5.26
8	---	10.27	6.45	6.74	---	5.69	5.98	4.61	9.02	---	4.51	5.07
9	---	9.49	6.22	6.56	---	5.71	5.88	4.55	8.95	---	4.55	4.96
10	---	8.66	6.14	6.41	---	5.59	6.09	4.95	8.87	---	4.51	4.98
11	---	7.74	6.26	6.38	---	5.47	6.06	7.89	8.50	---	5.18	5.11
12	---	7.05	8.15	6.38	---	5.50	5.80	8.17	7.94	---	5.19	5.14
13	---	6.61	10.82	6.35	---	---	5.74	6.99	7.67	---	5.80	5.02
14	---	6.14	11.71	6.21	---	---	5.65	6.89	7.43	---	5.81	4.89
15	---	5.81	12.79	6.14	---	---	5.55	6.74	7.41	---	5.35	4.77
16	---	5.68	13.04	6.01	---	---	5.42	6.20	7.11	---	5.04	4.65
17	---	5.69	12.85	5.92	---	---	5.39	5.66	6.46	---	5.07	4.58
18	---	5.76	12.48	5.88	---	---	5.53	5.76	6.14	---	4.93	4.50
19	---	5.78	11.99	5.89	---	---	5.45	7.19	5.88	---	4.88	4.44
20	---	5.79	11.46	5.90	---	---	5.42	6.78	5.76	---	4.77	4.38
21	---	5.93	10.82	---	---	---	5.39	6.36	5.46	---	4.65	4.37
22	---	5.97	10.13	---	---	---	5.28	6.27	5.20	---	4.57	4.37
23	5.04	---	9.42	---	---	---	5.19	6.22	5.05	---	4.52	4.34
24	5.38	---	---	---	---	12.50	5.09	5.92	4.95	---	4.47	4.33
25	5.95	---	---	---	---	12.17	5.19	5.47	4.91	---	4.33	4.25
26	6.62	---	---	---	6.81	11.60	5.46	5.29	4.89	---	4.26	4.22
27	7.11	---	---	---	6.72	10.95	5.49	6.42	4.83	---	4.31	4.20
28	9.81	---	---	---	6.59	10.15	5.13	9.46	4.73	---	4.45	4.22
29	10.78	---	---	---	---	9.43	4.96	10.27	4.74	---	4.38	4.09
30	11.05	---	---	---	---	8.62	4.76	10.68	4.80	4.46	4.34	4.08
31	11.79	---	---	---	---	7.89	---	11.15	---	4.50	4.34	---
MEAN	---	---	---	---	---	---	5.74	6.43	7.31	---	4.69	4.65
MAX	---	---	---	---	---	---	7.35	11.15	11.32	---	5.81	5.74
MIN	---	---	---	---	---	---	4.76	4.55	4.73	---	4.26	4.08

PEARL RIVER BASIN

02482000 PEARL RIVER AT EDINBURG, MS

LOCATION.--Lat 32°47'55", long 89°20'10", in SW1/4 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.--No estimated daily discharges. Records good. National Weather Service telemeter at station.

AVERAGE DISCHARGE.--58 years, 1,166 ft³/s, 17.52 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)
Mar. 24	0915	*3,200	*16.65				

Minimum discharge, 6.8 ft³/s, Sept. 30, gage height, 1.44 ft.

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	255	1560	168	325	226	257	557	75	851	45	23	12
2	374	1590	200	325	213	237	458	70	861	42	21	13
3	407	1750	199	317	207	226	392	72	857	40	19	137
4	352	1730	198	306	240	203	345	77	838	37	16	99
5	286	1580	197	292	584	188	305	69	791	34	14	74
6	244	1400	190	276	719	179	277	62	717	33	14	105
7	216	1220	178	265	949	172	272	56	643	44	13	102
8	184	1040	173	252	943	162	237	52	591	34	13	76
9	153	883	170	237	857	151	223	48	548	27	20	58
10	129	719	163	227	821	150	203	46	525	23	19	46
11	106	553	199	219	830	145	189	107	484	21	28	37
12	87	426	523	210	828	220	197	511	431	22	57	36
13	74	335	1030	204	784	689	206	683	374	20	77	38
14	65	269	1090	199	692	962	192	786	316	17	69	39
15	62	224	1370	193	626	1550	177	588	272	16	81	34
16	80	189	1430	182	560	1610	160	394	240	30	120	29
17	81	170	1500	178	515	1570	144	289	217	50	107	24
18	72	155	1750	182	509	1540	129	302	190	28	78	20
19	64	145	1830	185	485	2500	121	417	161	32	57	18
20	59	138	1650	180	476	2530	147	598	138	25	44	15
21	55	132	1400	172	488	3000	163	669	121	23	35	13
22	58	136	1160	165	495	3060	158	484	113	46	29	11
23	82	140	950	161	477	3030	147	337	94	88	24	14
24	172	138	744	156	440	3180	126	251	80	78	20	13
25	241	134	570	176	395	2940	112	200	66	68	17	10
26	222	129	454	233	349	2370	100	189	63	71	15	9.8
27	268	126	387	245	312	1810	99	473	56	36	14	8.7
28	684	148	362	251	280	1410	100	715	51	27	20	7.9
29	764	150	348	253	---	1140	99	907	47	27	28	7.3
30	1080	153	329	245	---	899	87	984	44	24	17	7.7
31	1320	---	318	233	---	697	---	882	---	23	14	---
TOTAL	8296	17462	21230	7044	15300	38777	6122	11393	10780	1131	1123	1114.4
MEAN	268	582	685	227	546	1251	204	368	359	36.5	36.2	37.1
MAX	1320	1750	1830	325	949	3180	557	984	861	88	120	137
MIN	55	126	163	156	207	145	87	46	44	16	13	7.3
CFSM	.30	.64	.76	.25	.60	1.38	.23	.41	.40	.04	.04	.04
IN.	.34	.72	.87	.29	.63	1.60	.25	.47	.44	.05	.05	.05
CAL YR 1985	TOTAL	287124.1	MEAN 787	MAX 6930	MIN 8.5	CFSM .87	IN 11.82					
WTR YR 1986	TOTAL	139772.4	MEAN 383	MAX 3180	MIN 7.3	CFSM .42	IN 5.75					

PEARL RIVER BASIN

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02482000 PEARL RIVER AT EDINBURG, MS

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.15	12.14	4.38	5.70	4.92	4.80	6.69	3.04	8.48	2.54	2.04	1.72
2	6.05	12.26	4.69	5.70	4.81	4.65	6.11	2.97	8.54	2.48	2.00	1.73
3	6.30	12.83	4.68	5.64	4.75	4.57	5.70	2.99	8.52	2.44	1.92	3.88
4	5.89	12.76	4.67	5.56	4.99	4.39	5.39	3.06	8.41	2.39	1.83	3.50
5	5.41	12.23	4.66	5.46	7.27	4.25	5.13	2.94	8.12	2.32	1.77	3.19
6	5.08	11.48	4.59	5.33	7.90	4.18	4.94	2.83	7.68	2.29	1.74	3.65
7	4.83	10.68	4.48	5.24	9.08	4.12	4.90	2.74	7.23	2.52	1.71	3.61
8	4.54	9.86	4.43	5.14	9.01	4.02	4.65	2.66	6.90	2.31	1.73	3.23
9	4.22	9.06	4.40	5.02	8.52	3.92	4.54	2.60	6.62	2.15	1.95	2.91
10	3.95	8.18	4.33	4.93	8.31	3.91	4.38	2.56	6.49	2.05	1.93	2.68
11	3.67	7.24	4.63	4.86	8.36	3.86	4.27	3.30	6.26	1.99	2.17	2.48
12	3.40	6.42	7.00	4.78	8.35	4.41	4.33	6.41	5.94	2.02	2.73	2.45
13	3.19	5.77	9.78	4.73	8.08	7.51	4.41	7.47	5.58	1.95	3.06	2.51
14	3.04	5.27	10.10	4.68	7.53	9.06	4.29	8.09	5.20	1.87	2.95	2.53
15	3.00	4.90	11.35	4.62	7.12	12.05	4.16	6.89	4.91	1.82	3.12	2.42
16	3.30	4.58	11.61	4.52	6.70	12.33	4.00	5.71	4.67	2.11	3.60	2.28
17	3.31	4.40	11.90	4.48	6.44	12.15	3.85	5.01	4.49	2.58	3.47	2.15
18	3.16	4.24	12.83	4.52	6.41	12.03	3.70	5.07	4.27	2.17	3.12	2.03
19	3.03	4.13	13.09	4.55	6.27	15.05	3.61	5.85	4.01	2.27	2.81	1.94
20	2.93	4.05	12.50	4.50	6.21	15.19	3.87	6.95	3.78	2.11	2.58	1.85
21	2.87	3.99	11.48	4.42	6.28	16.24	4.04	7.39	3.61	2.04	2.40	1.73
22	2.93	4.03	10.43	4.35	6.33	16.36	3.98	6.25	3.52	2.54	2.25	1.68
23	3.32	4.08	9.41	4.31	6.22	16.31	3.88	5.34	3.29	3.21	2.12	1.80
24	4.38	4.05	8.32	4.25	6.00	16.61	3.66	4.75	3.11	3.08	2.00	1.73
25	5.05	4.00	7.35	4.44	5.72	16.09	3.50	4.35	2.90	2.92	1.91	1.63
26	4.88	3.95	6.61	4.98	5.42	14.75	3.37	4.24	2.86	2.97	1.82	1.60
27	5.24	3.91	6.15	5.08	5.17	13.01	3.35	6.15	2.74	2.37	1.79	1.54
28	7.99	4.17	5.97	5.13	4.96	11.42	3.37	7.67	2.66	2.15	1.99	1.50
29	8.43	4.19	5.86	5.15	---	10.07	3.36	8.80	2.57	2.14	2.25	1.46
30	10.01	4.22	5.73	5.08	---	8.76	3.20	9.25	2.52	2.08	1.91	1.49
31	11.12	---	5.64	4.98	---	7.55	---	8.67	---	2.04	1.77	---
MEAN	4.83	6.77	7.52	4.91	6.68	9.47	4.29	5.23	5.20	2.32	2.27	2.30
MAX	11.12	12.83	13.09	5.70	9.08	16.61	6.69	9.25	8.54	3.21	3.60	3.88
MIN	2.87	3.91	4.33	4.25	4.75	3.86	3.20	2.56	2.52	1.82	1.71	1.46

WTR YR 1986 MEAN 5.14 MAX 16.61 MIN 1.46

PEARL RIVER BASIN

02482550 PEARL RIVER NEAR CARTHAGE, MS

LOCATION.--Lat 32°42'25", long 89°31'35", in NE¼ 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 Lobutcha 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 National Vertical Datum of 1929.

REMARKS.--Records good except for estimated daily discharges: Oct. 26 to Nov. 13, Mar. 15-17, 20-24, June 16 to July 2, July 22-25, and Aug. 1-10, which are poor. National Weather Service telemeter at station.

AVERAGE DISCHARGE.--24 years, 2,032 ft³/s, 20.50 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, 1.86 ft, Sept. 30, 1986.

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, 6,000 ft³/s, Mar. 22, gage height, unknown, minimum, 49 ft³/s, Sept. 30, gage height, 1.86 ft.

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	149	2600	333	578	383	488	996	207	1530	165	95	81
2	336	2900	387	569	372	463	837	205	1400	160	85	74
3	460	3000	409	559	358	443	726	184	1320	147	77	93
4	477	2900	408	555	392	427	643	173	1220	141	71	372
5	420	2700	410	527	892	404	582	174	1320	135	68	282
6	367	2200	388	494	1180	384	532	165	1530	129	62	235
7	329	1800	365	469	1370	370	502	157	1760	131	60	255
8	299	1700	345	445	1550	363	489	152	1810	134	59	231
9	268	1300	334	421	1420	354	475	144	1680	134	57	173
10	237	1100	327	399	1240	339	462	139	1540	121	61	144
11	207	890	364	386	1170	335	425	167	1320	113	132	123
12	190	700	881	375	1140	377	413	717	955	111	123	115
13	163	600	2120	362	1110	1000	422	1320	823	107	120	102
14	144	503	2460	353	1040	1410	417	1370	720	104	135	96
15	148	436	2500	346	965	2200	393	1290	618	98	124	94
16	157	387	2590	337	891	2600	368	933	520	95	129	90
17	186	358	2580	326	826	2550	346	694	470	98	161	83
18	176	461	2630	321	820	2420	321	636	490	121	159	76
19	153	539	2690	324	812	3870	298	796	470	115	138	71
20	140	494	2560	324	780	5100	306	782	400	111	115	68
21	133	424	2300	321	767	5800	334	990	350	116	99	67
22	128	364	1950	314	760	5900	342	1000	300	180	89	67
23	139	332	1630	306	744	5500	324	757	260	230	83	72
24	217	314	1340	299	716	5100	312	589	230	240	75	74
25	329	300	1090	313	661	4770	290	503	215	200	70	63
26	380	289	892	399	612	4210	267	582	205	158	65	57
27	610	280	764	442	563	3360	249	949	190	148	61	54
28	1200	292	702	439	522	2610	241	1500	180	137	61	52
29	1500	311	652	438	---	2020	234	1550	175	125	163	50
30	1800	316	615	425	---	1600	225	1770	170	111	147	49
31	2200	---	589	404	---	1260	---	1700	---	102	102	---
TOTAL	13642	30790	37605	12570	24056	68027	12771	22295	24171	4217	3046	3463
MEAN	440	1026	1213	405	859	2194	426	719	806	136	98.3	115
MAX	2200	3000	2690	578	1550	5900	996	1770	1810	240	163	372
MIN	128	280	327	299	358	335	225	139	170	95	57	49
CFSM	.33	.76	.90	.30	.64	1.63	.32	.53	.60	.10	.07	.09
IN.	.38	.85	1.04	.35	.66	1.88	.35	.62	.67	.12	.08	.10
CAL YR 1985	TOTAL	475935	MEAN	1304	MAX	10300	MIN 75	CFSM .97	IN 13.15			
WTR YR 1986	TOTAL	256653	MEAN	703	MAX	5900	MIN 49	CFSM .52	IN 7.09			

PEARL RIVER BASIN

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02482550 PEARL RIVER NEAR CARTHAGE, MS

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.25	---	4.65	5.87	5.11	5.07	7.51	3.62	8.71	---	---	2.34
2	4.66	---	4.98	5.86	5.04	4.94	6.92	3.60	8.38	2.91	---	2.25
3	5.38	---	5.11	5.83	4.96	4.83	6.48	3.42	8.16	2.87	---	2.47
4	5.47	---	5.10	5.85	5.12	4.75	6.12	3.33	7.87	2.82	---	4.69
5	5.17	---	5.11	5.74	7.26	4.62	5.84	3.34	8.20	2.76	---	4.13
6	4.86	---	4.99	5.60	8.13	4.50	5.61	3.26	8.78	2.70	---	3.80
7	4.63	---	4.85	5.50	8.56	4.42	5.45	3.19	9.35	2.72	---	3.95
8	4.43	---	4.73	5.40	8.90	4.38	5.39	3.14	9.49	2.75	---	3.77
9	4.22	---	4.66	5.30	8.54	4.32	5.32	3.07	9.20	2.75	---	3.30
10	4.00	---	4.61	5.20	8.00	4.23	5.24	3.02	8.86	2.61	---	3.04
11	3.76	---	4.80	5.13	7.79	4.21	5.04	3.17	8.26	2.53	2.91	2.82
12	3.63	---	6.90	5.06	7.71	4.45	4.98	5.67	7.09	2.51	2.83	2.74
13	3.39	---	10.13	4.98	7.60	7.23	5.03	7.89	6.61	2.46	---	2.59
14	3.22	5.61	10.71	4.93	7.35	8.57	5.00	8.04	6.21	2.42	---	2.52
15	3.25	5.26	10.81	4.88	7.09	---	4.87	7.81	5.78	2.35	2.83	2.50
16	3.34	4.98	11.01	4.83	6.82	---	4.72	6.64	5.47	2.32	2.89	2.44
17	3.59	4.81	11.03	4.76	6.57	---	4.59	5.72	---	2.36	3.20	2.36
18	3.51	5.38	11.17	4.73	6.55	11.03	4.43	5.48	---	2.62	3.18	2.27
19	3.30	5.79	11.32	4.75	6.52	13.71	4.28	6.17	---	2.58	2.97	2.20
20	3.18	5.56	11.08	4.75	6.39	---	4.33	6.13	---	2.58	2.74	2.15
21	3.11	5.19	10.58	4.73	6.34	---	4.51	6.92	---	2.64	2.56	2.14
22	3.06	4.84	9.89	4.68	6.31	---	4.56	6.97	---	---	2.44	2.15
23	3.17	4.65	9.19	4.63	6.24	---	4.45	6.06	---	---	2.36	2.22
24	3.83	4.53	8.44	4.59	6.13	---	4.37	5.35	---	---	2.27	2.24
25	4.62	4.44	7.68	4.67	5.90	15.07	4.22	4.95	---	---	2.19	2.09
26	---	4.37	7.01	5.20	5.67	14.25	4.07	5.34	---	3.17	2.11	2.00
27	---	4.31	6.54	5.44	5.44	12.88	3.94	6.78	---	3.07	2.06	1.95
28	---	4.39	6.31	5.42	5.25	11.49	3.88	8.57	---	2.97	2.05	1.92
29	---	4.52	6.12	5.42	---	10.28	3.83	8.73	---	2.85	3.18	1.89
30	---	4.54	5.98	5.34	---	9.31	3.75	9.28	---	2.69	3.06	1.87
31	---	---	5.89	5.23	---	8.37	---	9.13	---	2.59	2.59	---
MEAN	---	---	7.46	5.17	6.69	---	4.96	5.61	---	---	---	2.63
MAX	---	---	11.32	5.87	8.90	---	7.51	9.28	---	---	---	4.69
MIN	---	---	4.61	4.59	4.96	---	3.75	3.02	---	---	---	1.87

PEARL RIVER BASIN

02483000 TUSCOLAMETA CREEK AT WALNUT GROVE, MS

LOCATION.--Lat 32°35'18", long 89°27'54", in NW 1/4 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: Oct. 1-21, Oct. 28 to Dec. 17, Jan. 21 to Feb. 19 and June 6 to Sept. 30. Records poor. Discharge computed by combining flow of individually rated channels. National Weather Service telemeter at station.

AVERAGE DISCHARGE.--48 years, 540 ft³/s, 17.84 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)
Nov. 2	unknown	a*5,640	unknown	Mar. 21	1315	5,380	25.34

a Estimated.

Minimum daily discharge, 8.0 ft³/s, Aug. 24.

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	70	5030	209	207	92	78	95	41	1040	22	34	11
2	180	5640	264	179	88	72	86	31	490	19	24	16
3	140	4980	276	149	85	70	82	29	213	16	15	21
4	104	1240	215	124	198	68	75	34	123	15	13	25
5	75	675	179	109	1400	65	67	35	126	13	12	21
6	48	385	186	94	1700	65	69	31	136	15	17	19
7	45	275	175	100	1130	62	70	34	100	20	16	28
8	45	215	162	93	533	67	70	35	85	18	14	40
9	39	167	152	82	372	68	166	34	67	16	12	33
10	36	154	143	84	254	62	156	59	275	13	10	24
11	37	148	170	79	159	62	110	799	307	13	40	17
12	38	135	865	78	184	209	99	1660	72	10	57	14
13	38	132	2080	75	154	2190	144	2120	52	12	44	14
14	42	128	1940	76	135	2560	138	2000	42	15	22	18
15	46	130	1210	74	157	1900	108	554	38	15	16	22
16	55	135	626	72	149	829	80	121	36	15	17	18
17	80	141	336	76	143	423	65	80	34	14	18	15
18	76	135	259	74	176	274	57	252	32	13	16	13
19	66	128	177	74	159	2350	54	1490	31	11	15	11
20	59	120	142	84	146	3800	78	1190	29	13	14	9.0
21	61	129	124	109	135	5120	163	509	27	29	13	13
22	479	165	112	100	122	2160	130	171	25	47	10	21
23	727	139	105	89	110	457	95	101	22	37	8.2	18
24	943	127	103	86	100	278	73	69	19	25	8.0	16
25	1140	123	89	117	97	221	58	59	17	22	10	15
26	551	115	82	196	87	183	50	433	15	20	12	13
27	433	109	80	165	86	154	42	2060	18	21	14	13
28	1050	152	142	128	84	145	38	2680	20	31	15	13
29	2100	237	262	102	---	133	35	2880	23	26	17	11
30	3500	191	209	110	---	121	37	2020	26	24	15	14
31	4270	---	214	98	---	116	---	1200	---	51	13	---
TOTAL	16573	21580	11288	3283	8235	24362	2590	22811	3540	631	561.2	536.0
MEAN	535	719	364	106	294	786	86.3	736	118	20.4	18.1	17.9
MAX	4270	5640	2080	207	1700	5120	166	2880	1040	51	57	40
MIN	36	109	80	72	84	62	35	29	15	10	8.0	9.0
CFSM	1.30	1.75	.89	.26	.72	1.91	.21	1.79	.29	.05	.04	.04
IN.	1.50	1.95	1.02	.30	.75	2.21	.23	2.06	.32	.06	.05	.05

CAL YR 1985 TOTAL 148871.0 MEAN 408 MAX 7200 MIN 14 CFSM .99 IN 13.47
WTR YR 1986 TOTAL 115990.2 MEAN 318 MAX 5640 MIN 8.0 CFSM .77 IN 10.50

PEARL RIVER BASIN

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02483000 TUSCOLAMETA CREEK AT WALNUT GROVE, MS

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.93		---	11.45	11.56	10.99	11.21	10.64	15.96	10.71	10.92	10.93
2	14.64		---	11.86	11.33	10.94	11.13	10.52	13.16	10.69	10.68	10.88
3	14.21		---	11.99	12.58	10.94	11.10	10.52	11.89	10.71	10.59	10.87
4	12.32		---	11.80	12.88	10.94	11.03	10.55	11.38	10.76	10.56	11.01
5	11.52		---	11.65	18.63	10.90	10.97	10.54	11.51	10.72	10.72	11.05
6	11.22		---	11.55	19.74	10.89	10.97	10.53	11.64	10.73	10.67	10.95
7	11.04		---	11.50	15.50	10.86	10.94	10.54	11.24	10.75	10.66	10.94
8	10.94		---	11.44	12.90	10.89	10.92	10.54	11.12	10.81	10.69	10.92
9	10.89		---	11.40	12.24	10.92	11.46	10.56	10.94	10.93	10.67	10.91
10	10.85		---	11.36	12.05	10.88	11.61	10.62	12.34	10.89	10.74	10.95
11	10.84		---	11.33	12.14	10.86	11.32	14.26	12.98	10.83	11.18	10.98
12	10.83		---	11.27	11.92	11.72	11.22	17.94	11.02	10.79	11.16	11.02
13	10.86		---	11.23	11.66	20.48	11.50	18.48	10.78	10.80	10.94	11.01
14	10.83		---	11.20	11.77	21.53	11.41	18.22	10.66	10.80	10.81	11.02
15	10.91		---	11.21	11.80	19.28	11.22	13.21	10.62	10.83	10.74	11.05
16	11.18		---	11.21	11.70	14.98	11.03	11.18	10.60	10.84	10.72	11.05
17	11.15		11.20	11.19	11.88	13.26	10.89	10.96	10.60	10.80	10.81	11.07
18	11.05		11.16	11.16	11.71	12.43	10.85	11.45	10.59	11.01	10.84	11.10
19	10.96		11.15	11.14	11.71	20.85	10.84	17.45	10.59	10.90	10.74	11.07
20	10.96		11.14	11.24	11.58	23.84	11.01	15.86	10.59	10.87	10.73	11.04
21	10.97		11.12	11.36	11.48	25.15	11.78	13.25	10.59	11.20	10.73	11.05
22	14.10		11.12	11.57	11.40	20.09	11.49	11.64	10.58	10.86	10.74	11.08
23	14.81		11.15	11.87	11.30	13.63	11.18	11.19	10.58	10.76	10.77	11.03
24	15.48		11.16	12.26	11.22	12.61	10.98	10.94	10.57	10.68	10.77	11.06
25	15.99		11.16	12.47	11.21	12.26	10.84	10.83	10.57	10.67	10.77	11.09
26	13.69		11.21	12.78	11.09	12.00	10.77	13.18	10.61	10.54	10.78	11.02
27	13.29		11.22	12.95	11.09	11.79	10.68	19.71	10.56	10.57	10.79	10.93
28	---		11.18	13.74	11.06	11.67	10.64	21.52	10.57	11.00	10.80	10.92
29	---		11.44	14.46	---	11.62	10.56	21.92	10.57	10.93	10.85	10.91
30	---		11.44	13.41	---	11.50	10.55	19.75	10.67	10.65	10.94	10.91
31	---		11.44	12.50	---	11.37	---	17.00	---	10.90	10.94	---
MEAN	---		---	11.86	12.40	13.94	11.07	13.73	11.20	10.80	10.79	10.99
MAX	---		---	14.46	19.74	25.15	11.78	21.92	15.96	11.20	11.18	11.10
MIN	---		---	11.14	11.06	10.86	10.55	10.52	10.56	10.54	10.56	10.87

PEARL RIVER BASIN

02484000 YOCKANOOKANY RIVER NEAR KOSCIUSKO, MS

LOCATION.--Lat 33°01'55", long 89°34'40", in NE1/4 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.--No estimated daily discharges. Records good. Telemeter at station.

AVERAGE DISCHARGE.--48 years, 445 ft³/s, 19.94 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)
Mar. 21	1500	*3,160	*12.79	No other peak greater than base discharge.			

Minimum discharge, 7.3 ft³/s, Sept. 30, gage height, 2.79 ft, Aug. 23.

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	26	944	148	146	71	66	85	36	162	29	34	14
2	27	577	322	127	67	62	80	45	109	26	19	33
3	31	285	182	107	66	61	76	39	73	32	14	74
4	27	185	118	99	147	62	72	33	760	38	12	28
5	21	128	101	91	770	61	67	30	499	29	10	22
6	19	102	97	82	521	59	66	29	1200	23	9.6	24
7	16	84	87	81	258	55	83	27	1340	18	11	19
8	17	75	78	78	158	55	81	26	645	27	9.5	15
9	16	69	75	75	124	54	81	25	272	30	8.8	12
10	15	67	70	73	108	56	72	29	169	22	8.8	10
11	15	60	380	75	134	53	64	282	698	20	14	9.2
12	14	58	1270	76	152	248	63	769	669	17	40	9.8
13	15	55	1760	69	113	1120	75	321	204	22	20	13
14	17	52	1810	67	116	1180	68	123	102	18	13	12
15	19	53	1540	65	259	620	63	69	77	15	10	12
16	22	344	805	64	224	410	55	48	54	13	15	9.6
17	29	521	330	64	170	307	49	40	45	19	17	9.3
18	24	289	224	66	223	342	51	135	44	25	14	8.6
19	20	155	174	74	216	1940	47	621	51	38	12	8.2
20	19	117	148	74	179	2960	58	275	37	25	10	9.0
21	41	95	134	69	136	3020	68	111	31	20	9.2	8.8
22	82	85	123	68	114	2120	61	67	30	19	8.4	12
23	380	78	117	64	102	518	52	49	25	14	8.4	17
24	791	74	113	61	91	246	45	41	28	14	11	14
25	892	69	106	74	84	183	42	137	27	13	12	11
26	325	68	99	110	84	150	40	540	31	11	9.1	10
27	199	68	96	104	78	132	37	923	27	11	9.7	9.2
28	846	129	101	83	72	117	39	584	20	18	22	8.7
29	933	140	99	77	---	106	34	440	19	17	19	8.3
30	556	111	92	76	---	106	33	281	28	15	17	8.0
31	571	---	103	73	---	89	---	148	---	14	14	---
TOTAL	6025	5137	10902	2512	4837	16558	1807	6323	7476	652	441.5	458.7
MEAN	194	171	352	81.0	173	534	60.2	204	249	21.0	14.2	15.3
MAX	933	944	1810	146	770	3020	85	923	1340	38	40	74
MIN	14	52	70	61	66	53	33	25	19	11	8.4	8.0
CFSM	.64	.56	1.16	.27	.57	1.76	.20	.67	.82	.07	.05	.05
IN.	.74	.63	1.34	.31	.59	2.03	.22	.78	.92	.08	.05	.06

CAL YR 1985 TOTAL 111851.0 MEAN 306 MAX 3540 MIN 11 CFMS 1.01 IN 13.73
WTR YR 1986 TOTAL 63129.2 MEAN 173 MAX 3020 MIN 8.0 CFMS .57 IN 7.75

PEARL RIVER BASIN

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02484500 YOCKANOOKANY RIVER NEAR OFAHOMA, MS

LOCATION.--Lat 32°42'20", long 89°40'20", in NE¼NW¼ sec.22, T.10 N., R.6 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, near center of main span on downstream side of bridge on State Highway 16, 1.5 mi 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 311.15 ft above National Geodetic Vertical Datum of 1929 (levels by U. S. Army Corps of Engineers). Prior to Sept. 5, 1962, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: Oct. 24 to Dec. 6 and Aug. 9-10. Records good except for estimated daily discharges, which are fair.

AVERAGE DISCHARGE.--43 years, 700 ft³/s, 20.27 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 46,500 ft³/s, Apr. 14, 1979, gage height, 23.27 ft; minimum, 4.9 ft³/s, Aug. 20, Sept. 11, 1954; minimum gage height, 0.38 ft, Aug. 26-27, 1985.

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)
Mar. 19	1915	*4,710	*15.71	No other peak greater than base discharge.			

Minimum discharge, 18 ft³/s, Aug. 26-27, gage height, 0.38 ft.

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	41	1020	186	142	112	116	181	59	465	42	30	28
2	40	1030	220	151	107	106	162	54	295	43	29	27
3	39	862	257	185	103	99	149	53	234	51	31	34
4	38	793	296	178	118	93	139	61	180	49	37	45
5	38	725	263	156	382	95	130	60	167	49	31	78
6	38	480	197	141	413	91	121	54	355	50	27	54
7	38	289	158	133	521	90	113	50	469	54	25	39
8	36	191	140	124	616	86	110	47	613	44	23	39
9	35	154	129	118	538	82	138	45	862	40	22	36
10	33	124	116	114	336	80	142	44	1010	37	24	32
11	31	110	117	109	228	81	132	126	799	45	22	29
12	31	106	339	106	188	93	124	474	440	43	24	26
13	30	102	915	104	195	319	120	572	405	39	25	24
14	30	87	1090	107	204	427	114	738	512	38	30	23
15	30	80	1320	101	185	656	114	682	448	35	35	22
16	31	80	1540	96	199	880	109	340	237	37	37	23
17	34	138	1600	94	282	997	99	166	152	36	30	23
18	36	344	1490	99	316	849	91	143	110	33	23	24
19	36	529	1150	93	275	3330	83	218	88	31	24	23
20	37	554	640	94	286	3190	89	265	79	39	25	22
21	38	387	366	100	276	2160	91	402	78	56	23	21
22	37	232	276	105	241	2170	93	399	69	54	22	21
23	36	169	235	99	201	2330	99	235	59	44	21	21
24	82	143	212	96	173	2320	95	142	55	37	20	22
25	187	129	193	107	154	1800	85	106	56	35	19	22
26	302	115	179	140	139	1020	76	202	50	32	19	25
27	387	110	164	137	129	479	70	496	53	31	19	24
28	563	102	155	157	123	316	68	542	52	31	28	22
29	669	102	149	152	---	253	64	642	52	29	45	21
30	651	138	148	130	---	217	62	748	45	27	35	21
31	852	---	147	117	---	195	---	663	---	30	32	---
TOTAL	4506	9425	14387	3785	7040	25020	3263	8828	8489	1241	837	871
MEAN	145	314	464	122	251	807	109	285	283	40.0	27.0	29.0
MAX	852	1030	1600	185	616	3330	181	748	1010	56	45	78
MIN	30	80	116	93	103	80	62	44	45	27	19	21
CFSM	.31	.67	.99	.26	.54	1.72	.23	.61	.60	.09	.06	.06
IN.	.36	.75	1.14	.30	.56	1.98	.26	.70	.67	.10	.07	.07

CAL YR 1985	TOTAL	158445	MEAN 434	MAX 3530	MIN 27	CFSM .93	IN 12.57
WTR YR 1986	TOTAL	87692	MEAN 240	MAX 3330	MIN 19	CFSM .51	IN 6.96

PEARL RIVER BASIN

02484500 YOCCANOOKANY RIVER NEAR OFAHOMA, MS

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.96		---	2.34	2.02	2.07	2.71	1.26	4.80	.93	.65	.62
2	.94		---	2.43	1.96	1.96	2.53	1.18	3.64	.96	.61	.58
3	.91		---	2.74	1.92	1.86	2.41	1.16	3.16	1.12	.66	.74
4	.90		---	2.68	2.06	1.79	2.31	1.30	2.69	1.07	.82	.97
5	.90		---	2.48	4.26	1.81	2.21	1.29	2.56	1.07	.67	1.54
6	.90		---	2.33	4.47	1.76	2.12	1.17	4.07	1.09	.60	1.14
7	.89		2.49	2.25	5.15	1.74	2.04	1.10	4.83	1.17	---	.84
8	.85		2.32	2.15	5.70	1.69	2.00	1.03	5.68	.98	---	.83
9	.82		2.20	2.09	5.24	1.64	2.29	.99	6.99	.88	---	.77
10	.77		2.07	2.04	3.93	1.61	2.34	.97	7.73	.83	---	.67
11	.74		2.07	1.99	3.11	1.62	2.24	1.85	6.67	.99	.50	.59
12	.73		3.90	1.95	2.77	1.76	2.15	4.86	4.64	.95	.55	.52
13	.72		7.25	1.93	2.83	3.81	2.11	5.45	4.42	.86	.60	.45
14	.72		8.06	1.96	2.91	4.56	2.04	6.37	5.10	.83	.73	.41
15	.72		9.06	1.89	2.75	5.92	2.04	6.06	4.69	.78	.84	.39
16	.75		9.96	1.83	2.86	7.08	1.99	3.94	3.18	.81	.89	.42
17	.81		10.17	1.80	3.54	7.64	1.87	2.57	2.44	.80	.72	.43
18	.85		9.76	1.87	3.80	6.93	1.75	2.34	2.00	.72	.52	.44
19	.87		8.33	1.79	3.49	13.60	1.65	3.02	1.71	.68	.56	.41
20	.89		5.81	1.80	3.58	13.76	1.72	3.39	1.58	.86	.59	.38
21	.90		4.15	1.88	3.50	11.83	1.76	4.40	1.58	1.21	.53	.38
22	.87		3.50	1.94	3.22	11.85	1.78	4.37	1.44	1.17	.49	.38
23	.85		3.18	1.86	2.89	12.22	1.87	3.16	1.27	.97	.46	.37
24	1.50		2.98	1.82	2.64	12.20	1.81	2.33	1.20	.83	.43	.39
25	---		2.82	1.95	2.45	10.79	1.67	1.95	1.21	.78	.41	.39
26	---		2.68	2.32	2.31	7.70	1.55	2.83	1.10	.70	.39	.47
27	---		2.55	2.28	2.20	4.88	1.45	5.00	1.15	.67	.41	.45
28	---		2.46	2.48	2.14	3.80	1.42	5.28	1.12	.68	.64	.40
29	---		2.41	2.43	---	3.32	1.36	5.85	1.14	.63	1.05	.37
30	---		2.40	2.22	---	3.02	1.32	6.42	1.00	.58	.81	.35
31	.00		2.39	2.07	---	2.83	---	5.96	---	.64	.72	---
MEAN	---		---	2.12	3.20	5.45	1.95	3.19	3.16	.88	---	.57
MAX	---		---	2.74	5.70	13.76	2.71	6.42	7.73	1.21	---	1.54
MIN	---		---	1.79	1.92	1.61	1.32	.97	1.00	.58	---	.35

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LOCATION.--Lat 32°35'25", long 89°46'49", in NW¼ sec.34, T.9 N., R.5 E., Choctaw Meridian, Scott County, on left bank at Coal Bluff Park, 0.5 mi upstream from Sycamore Creek and 1.8 mi northeast of Ratliff.

PERIOD OF RECORD.--January 1981 to current year.

REMARKS.--National Weather Service telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 24.49 ft, May 23, 1983, minimum, 5.43 ft, Nov. 29, 1981.

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, 13.58 ft, Mar. 23, minimum, 5.60 ft, May 10.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.20	9.55	5.96	5.88	5.87	5.86	6.11	5.89	8.88	7.31	6.86	6.03
2	6.28	10.07	5.88	5.94	5.87	5.89	6.00	5.83	8.15	8.14	6.80	6.01
3	6.38	10.14	5.87	5.97	5.89	5.85	5.98	5.78	7.69	7.20	6.76	6.06
4	6.45	9.86	5.89	5.98	5.93	5.82	5.97	5.82	7.47	7.16	6.72	6.09
5	6.39	8.90	5.91	5.92	6.26	5.84	5.97	5.85	7.45	7.17	6.70	6.11
6	6.37	7.78	5.84	5.88	7.44	5.81	5.97	5.84	7.61	7.15	6.71	6.11
7	6.35	7.16	5.80	5.78	7.85	5.78	5.99	5.81	7.81	7.16	6.70	6.10
8	6.34	6.71	5.78	5.71	7.64	5.75	6.06	5.80	7.92	7.22	6.65	6.05
9	6.31	6.40	5.72	5.70	7.00	5.80	5.92	5.77	8.04	7.23	6.63	6.05
10	6.31	6.16	5.70	5.71	6.48	5.82	5.95	5.76	8.19	7.20	6.62	6.06
11	6.32	5.96	5.76	5.72	6.16	5.76	5.97	5.91	8.31	7.22	6.57	6.09
12	6.32	5.83	5.94	5.74	6.06	5.80	5.97	6.87	7.86	7.18	6.54	6.21
13	6.32	5.77	7.48	5.72	6.02	6.08	5.99	7.74	7.52	7.13	6.51	6.20
14	6.32	5.73	9.00	5.77	6.10	7.30	6.04	8.23	7.50	7.07	6.51	6.20
15	6.35	5.71	9.59	5.72	6.01	8.27	6.02	8.55	7.51	7.91	6.49	6.19
16	6.34	5.73	9.58	5.72	6.08	8.84	5.94	7.74	7.48	7.02	6.51	6.16
17	6.35	5.71	9.00	5.72	6.16	8.47	5.90	7.24	7.44	6.98	6.46	6.15
18	6.33	5.78	8.48	5.73	6.16	8.06	5.89	7.21	7.39	6.95	6.39	6.13
19	6.35	5.91	8.20	5.73	6.20	9.48	5.91	7.42	7.38	6.93	6.36	6.09
20	6.35	5.95	7.80	5.72	6.17	12.70	6.06	7.85	7.37	6.91	6.33	6.08
21	6.32	5.89	7.27	5.75	6.13	13.31	5.97	7.88	7.36	6.91	6.27	6.04
22	6.32	5.87	6.93	5.73	6.09	13.44	5.94	7.73	7.34	6.97	6.31	6.02
23	6.50	5.86	6.61	5.69	6.04	13.47	5.93	7.53	7.34	7.00	6.32	6.02
24	6.64	5.86	6.35	5.70	6.01	12.35	5.95	7.42	7.31	6.99	6.29	6.00
25	6.82	5.88	6.10	5.75	5.93	11.20	5.95	7.40	7.28	6.98	6.24	5.96
26	6.97	5.90	5.97	5.80	5.96	10.25	5.95	7.49	7.29	6.96	6.21	5.92
27	6.87	5.92	5.82	5.81	5.89	9.07	5.96	7.89	7.31	6.93	6.20	5.89
28	6.80	5.87	5.73	5.90	5.83	7.94	5.98	8.76	7.31	6.96	6.13	5.85
29	7.53	5.83	5.79	5.88	---	7.12	5.91	9.57	7.31	6.94	6.09	5.84
30	8.10	5.86	5.86	5.82	---	6.58	5.92	10.31	7.29	6.92	6.04	5.81
31	8.78	---	5.90	5.85	---	6.28	---	10.01	---	6.89	6.03	---
MEAN	6.59	6.65	6.69	5.79	6.26	8.06	5.97	7.25	7.60	7.12	6.45	6.05
MAX	8.78	10.14	9.59	5.98	7.85	13.47	6.11	10.31	8.88	8.14	6.86	6.21
MIN	6.20	5.71	5.70	5.69	5.83	5.75	5.89	5.76	7.28	6.89	6.03	

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, 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.

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: Mar. 26, June 19-20, Aug. 22 to Sept. 2. Records good except for estimated daily discharges, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,320 ft³/s, Apr. 29, 1953, gage height 26.0 ft; minimum daily, 0.41 ft³/s, Aug. 15, 1983, gage height, 8.15 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,650 ft³/s, Oct. 23, gage height, 14.26 ft; minimum daily discharge, 0.32 ft³/s, April 23.

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	18	21	47	3.9	2.2	.79	2.0	1.9	4.6	1.5	.79	2.7
2	5.3	19	17	2.6	2.4	.85	1.2	2.2	3.1	3.9	.95	2.7
3	4.1	24	7.3	2.5	3.4	.96	1.9	2.6	2.1	1.7	.91	53
4	4.0	11	5.5	2.2	207	.88	3.2	2.9	43	1.0	.94	1.9
5	4.0	7.1	4.8	2.3	61	.99	1.1	3.2	22	1.0	1.0	1.8
6	4.0	5.8	4.6	2.6	18	1.2	1.3	3.6	5.2	9.7	1.2	1.4
7	4.1	5.0	4.3	3.3	9.2	1.4	2.5	3.4	2.6	14	3.6	1.2
8	4.3	4.6	4.3	2.2	5.2	1.0	8.3	3.7	5.7	13	1.4	1.1
9	3.9	5.0	4.0	1.8	3.3	.83	3.7	3.9	6.8	1.3	.65	1.2
10	3.8	4.6	4.0	2.4	2.4	.82	1.6	7.3	5.1	.91	6.8	1.1
11	3.8	4.1	123	3.5	1.9	1.2	1.7	79	2.0	1.4	7.8	1.3
12	3.8	4.7	253	2.4	1.6	65	21	24	1.7	.83	1.2	24
13	14	4.3	121	2.5	1.4	25	2.7	4.3	1.4	.72	.60	.72
14	6.2	4.3	24	2.6	2.1	11	2.4	2.1	1.0	.64	.54	.42
15	17	4.3	13	2.2	1.9	6.6	1.7	1.7	.94	.59	2.2	.43
16	9.6	29	9.8	2.2	1.3	4.8	.72	1.5	35	.54	3.1	.40
17	4.5	12	7.6	2.3	1.2	4.9	.95	7.5	4.9	.66	4.4	.42
18	91	5.9	4.3	1.7	1.5	359	.97	158	1.4	.90	2.8	.60
19	37	4.9	4.3	.93	1.6	394	2.4	26	.66	1.0	2.1	.73
20	5.8	4.2	4.3	1.1	1.2	30	11	5.4	1.2	1.0	2.7	.87
21	4.3	4.3	3.3	1.2	1.2	17	2.5	2.9	.46	9.0	3.8	1.0
22	48	4.1	2.9	1.5	.97	11	1.1	2.0	.39	2.4	8.8	1.1
23	556	4.6	3.0	1.8	.81	8.7	.32	1.8	.39	.61	3.1	1.1
24	74	4.2	3.0	1.3	.85	7.6	.62	9.8	.76	.40	2.5	1.3
25	17	4.3	3.2	15	.91	5.1	1.2	39	.97	.36	2.5	1.3
26	12	4.1	3.3	5.6	1.1	3.5	1.1	111	1.3	.34	4.6	1.4
27	150	19	8.8	2.5	.95	4.4	1.4	297	1.0	.54	3.6	1.4
28	288	19	5.7	1.9	.87	3.6	2.5	68	1.1	.45	4.0	1.6
29	281	7.2	3.2	1.8	---	3.4	1.6	51	1.2	.56	2.5	2.0
30	61	5.2	2.7	1.9	---	3.8	1.7	23	2.1	.64	2.3	2.1
31	36	---	6.1	1.9	---	2.4	---	8.8	---	.88	2.3	---
TOTAL	1775.5	260.8	712.3	83.63	337.46	981.72	86.38	958.5	160.07	72.47	85.68	112.29
MEAN	57.3	8.69	23.0	2.70	12.1	31.7	2.88	30.9	5.34	2.34	2.76	3.74
MAX	556	29	253	15	207	394	21	297	43	14	8.8	53
MIN	3.8	4.1	2.7	.93	.81	.79	.32	1.5	.39	.34	.54	.40
CFSM	3.41	.52	1.37	.16	.72	1.89	.17	1.84	.32	.14	.16	.22
IN.	3.93	.58	1.58	.19	.75	2.17	.19	2.12	.35	.16	.19	.25
CAL YR 1985 TOTAL	8440.80			MEAN 23.1	MAX 797	MIN .59	CFSM 1.38	IN 18.69				
WTR YR 1986 TOTAL	5626.80			MEAN 15.4	MAX 556	MIN .32	CFSM .92	IN 12.46				

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.69	8.77	9.00	8.48	8.33	8.44	8.30	8.34	8.38	8.30	8.30	---
2	8.42	8.72	8.70	8.42	8.33	8.46	8.26	8.35	8.32	8.38	8.31	---
3	8.38	8.81	8.49	8.42	8.37	8.48	8.28	8.36	8.27	8.31	8.31	9.14
4	8.38	8.59	8.43	8.41	9.58	8.48	8.33	8.37	8.78	8.27	8.31	8.38
5	8.38	8.48	8.41	8.42	9.17	8.51	8.26	8.38	8.74	8.27	8.32	8.36
6	8.38	8.44	8.40	8.44	8.74	8.53	8.27	8.39	8.41	8.54	8.34	8.34
7	8.38	8.42	8.39	8.47	8.57	8.56	8.35	8.38	8.30	8.64	8.41	8.32
8	8.39	8.40	8.39	8.42	8.46	8.54	8.51	8.38	8.32	8.64	8.35	8.32
9	8.37	8.42	8.38	8.40	8.40	8.53	8.40	8.38	8.45	8.30	8.29	8.32
10	8.37	8.40	8.38	8.44	8.36	8.54	8.30	8.48	8.41	8.27	8.42	8.32
11	8.37	8.38	9.29	8.50	8.34	8.55	8.31	9.24	8.28	8.31	8.55	8.33
12	8.37	8.40	10.15	8.45	8.34	9.11	8.69	8.77	8.26	8.27	8.34	8.71
13	8.50	8.39	9.52	8.45	8.33	8.94	8.36	8.39	8.24	8.26	8.29	8.27
14	8.45	8.39	8.83	8.46	8.38	8.74	8.35	8.28	8.22	8.25	8.28	8.23
15	8.66	8.39	8.66	8.44	8.39	8.62	8.32	8.26	8.21	8.25	8.40	8.24
16	8.53	8.79	8.60	8.44	8.35	8.53	8.24	8.25	8.61	8.25	8.46	8.23
17	8.40	8.59	8.55	8.45	8.35	8.48	8.27	8.36	8.41	8.26	8.49	8.23
18	8.90	8.45	8.46	8.42	8.39	9.84	8.27	9.58	8.26	8.29	8.45	8.26
19	8.90	8.41	8.46	8.36	8.41	10.44	8.32	8.80	8.15	8.30	8.42	8.27
20	8.44	8.39	8.46	8.37	8.39	8.90	8.59	8.42	8.12	8.30	8.45	8.28
21	8.39	8.39	8.43	8.38	8.40	8.70	8.36	8.32	8.17	8.49	---	8.29
22	8.91	8.38	8.41	8.41	8.39	8.58	8.28	8.27	8.17	8.39	---	8.30
23	10.70	8.40	8.42	8.43	8.38	8.53	8.24	8.26	8.17	8.27	---	8.30
24	9.22	8.39	8.43	8.39	8.40	8.50	8.27	8.41	8.21	8.24	---	8.31
25	8.70	8.39	8.44	8.72	8.42	8.43	8.33	8.85	8.24	8.23	---	8.31
26	8.59	8.38	8.44	8.56	8.44	8.34	8.32	9.50	8.27	8.23	---	8.32
27	9.67	8.61	8.58	8.42	8.44	8.40	8.33	10.09	8.25	8.26	---	8.32
28	10.34	8.72	8.53	8.38	8.44	8.38	8.38	9.23	8.26	8.25	---	8.33
29	10.27	8.49	8.44	8.35	---	8.37	8.33	8.99	8.27	8.26	---	8.35
30	9.20	8.42	8.42	8.35	---	8.39	8.33	8.76	8.33	8.28	---	8.36
31	8.97	---	8.55	8.33	---	8.32	---	8.51	---	8.31	---	---
MEAN	8.79	8.49	8.61	8.43	8.47	8.65	8.34	8.62	8.32	8.32	---	---
MAX	10.70	8.81	10.15	8.72	9.58	10.44	8.69	10.09	8.78	8.64	---	---
MIN	8.37	8.38	8.38	8.33	8.33	8.32	8.24	8.25	8.12	8.23	---	---
CAL YR 1985 MEAN 8.59 MAX 11.70 MIN 8.26												

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).

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 NGVD 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. Telemeter at station.

AVERAGE DISCHARGE.--69 years (1901-12, 1928-86), 4,119 ft³/s, 17.64 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 128,000 ft³/s, Apr. 17, 1979, gage height, 43.28 ft; minimum daily discharge regulated, 45 ft³/s, Oct. 5, 1956, 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, 13,800 ft³/s, Mar. 22, gage height, 24.86 ft; minimum 225 ft³/s, July 29, gage height, 3.08 ft.

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	389	8520	767	576	522	589	623	287	7970	320	289	277
2	301	6830	721	576	527	579	416	288	6290	317	346	321
3	280	6130	878	558	521	571	367	285	4310	326	305	299
4	276	5860	794	692	1630	563	355	285	2570	304	287	330
5	274	5620	861	1140	4170	576	339	283	1620	312	289	300
6	275	4960	870	1150	3730	566	331	277	1410	379	287	292
7	279	4700	867	1160	2860	568	322	282	1310	335	352	283
8	267	4060	869	1150	2990	568	421	274	1450	484	317	278
9	266	3360	867	1150	3620	559	1090	270	2280	329	288	264
10	264	2670	827	693	3930	562	1010	270	2000	336	443	277
11	263	2070	1600	562	2390	559	542	498	2120	349	500	263
12	266	1330	3930	545	1600	1000	526	616	3120	333	309	646
13	283	760	6130	540	1170	2500	423	320	1860	313	294	364
14	360	662	5460	532	1010	2470	561	291	723	310	292	282
15	316	647	5460	535	582	2970	699	283	633	298	298	272
16	339	703	5710	532	550	4190	572	283	645	316	306	263
17	276	665	5720	535	547	5060	535	543	635	302	317	271
18	553	619	5580	538	547	7110	354	2360	608	305	319	294
19	743	617	5000	532	982	11300	333	2840	589	303	308	311
20	317	592	4340	538	1150	11700	545	1910	362	299	296	303
21	299	577	3410	528	1140	12700	343	1620	347	661	303	303
22	724	316	3130	528	1140	13600	325	1120	334	561	324	315
23	1740	272	2940	532	1140	12900	313	1100	323	322	316	309
24	2270	260	2310	528	1140	12200	308	1190	301	345	310	293
25	524	329	1850	649	1130	11200	302	1420	310	299	306	289
26	416	562	1730	580	977	9540	298	3160	304	291	333	291
27	2240	591	1300	539	604	7800	293	5430	311	300	321	289
28	6780	642	1110	537	588	6030	301	8650	405	274	321	294
29	10600	590	643	530	---	3680	298	7680	394	245	284	292
30	12600	572	591	530	---	2230	293	6710	336	294	278	272
31	11300	---	598	526	---	1220	---	7660	---	294	278	---
TOTAL	56080	66086	76863	20241	42887	147660	13438	58485	45870	10456	9816	9137
MEAN	1809	2203	2479	653	1532	4763	448	1887	1529	337	317	305
MAX	12600	8520	6130	1160	4170	13600	1090	8650	7970	661	500	646
MIN	263	260	591	526	521	559	293	270	301	245	278	263
CFSM	.57	.70	.78	.21	.48	1.50	.14	.60	.48	.11	.10	.10
IN.	.66	.78	.90	.24	.50	1.73	.16	.69	.54	.12	.12	.11

CAL YR 1985 TOTAL 1089899 MEAN 2986 MAX 24100 MIN 260 CFSM .94 IN 12.79
WTR YR 1986 TOTAL 557019 MEAN 1526 MAX 13600 MIN 245 CFSM .48 IN 6.53

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.94	19.89	5.17	4.59	4.41	4.46	4.97	3.56	19.27	3.54	3.33	3.25
2	3.62	17.57	5.05	4.59	4.43	4.43	4.23	3.57	16.77	3.53	3.54	3.41
3	3.53	16.41	5.52	4.53	4.41	4.40	4.05	3.55	13.55	3.55	3.39	3.34
4	3.52	15.95	5.26	4.94	7.16	4.38	4.00	3.55	9.86	3.47	3.32	3.45
5	3.51	15.53	5.46	6.25	12.90	4.42	3.94	3.55	7.48	3.49	3.33	3.34
6	3.51	14.35	5.49	6.28	12.04	4.38	3.91	3.52	6.95	3.74	3.32	3.31
7	3.53	13.88	5.48	6.31	10.29	4.39	3.87	3.54	6.68	3.57	3.56	3.28
8	3.48	12.67	5.49	6.27	10.56	4.39	4.21	3.51	7.03	4.09	3.43	3.26
9	3.48	11.31	5.48	6.27	11.82	4.36	6.12	3.49	9.02	3.53	3.31	3.20
10	3.47	9.87	5.36	4.95	12.42	4.37	5.87	3.49	8.38	3.55	3.83	3.24
11	3.47	8.55	7.25	4.54	9.26	4.36	4.47	4.30	8.65	3.60	4.07	3.19
12	3.48	6.73	12.17	4.49	7.42	5.65	4.41	4.69	10.81	3.54	3.40	4.52
13	3.54	5.16	16.26	4.47	6.34	9.52	4.07	3.69	8.03	3.45	3.34	3.57
14	3.83	4.86	15.01	4.44	5.88	9.46	4.54	3.58	4.97	3.44	3.33	3.26
15	3.67	4.82	15.03	4.45	4.61	10.49	4.97	3.54	4.68	3.40	3.35	3.22
16	3.76	4.99	15.51	4.44	4.50	12.93	4.57	3.55	4.71	3.46	3.37	3.19
17	3.52	4.87	15.55	4.45	4.49	14.53	4.45	4.47	4.66	3.41	3.42	3.22
18	4.33	4.73	15.31	4.46	4.49	17.81	3.81	9.08	4.56	3.41	3.43	3.31
19	5.04	4.72	14.22	4.44	5.80	22.70	3.74	10.23	4.49	3.40	3.38	3.37
20	3.68	4.64	12.97	4.46	6.27	23.08	4.48	8.18	3.71	3.39	3.34	3.34
21	3.61	4.59	11.17	4.43	6.25	24.02	3.77	7.48	3.66	4.51	3.36	3.35
22	4.88	3.67	10.65	4.43	6.26	24.69	3.71	6.19	3.61	4.29	3.44	3.39
23	7.34	3.50	10.28	4.44	6.25	24.17	3.66	6.15	3.57	3.48	3.41	3.37
24	8.82	3.45	8.95	4.43	6.24	23.53	3.64	6.37	3.49	3.55	3.39	3.29
25	4.41	3.71	7.94	4.82	6.22	22.60	3.62	6.98	3.53	3.38	3.38	3.28
26	4.04	4.54	7.69	4.60	5.75	20.98	3.60	10.85	3.50	3.35	3.47	3.29
27	8.72	4.63	6.63	4.47	4.51	19.05	3.59	15.08	3.52	3.38	3.42	3.28
28	17.39	4.80	6.15	4.46	4.46	16.24	3.62	20.05	3.83	3.28	3.42	3.30
29	22.02	4.63	4.80	4.44	---	12.23	3.60	18.90	3.81	3.16	3.28	3.29
30	23.92	4.58	4.64	4.44	---	9.24	3.59	17.41	3.61	3.36	3.26	3.21
31	22.68	---	4.66	4.42	---	6.71	---	18.81	---	3.36	3.25	---
MEAN	6.51	8.12	8.92	4.81	6.98	12.19	4.17	7.26	6.68	3.54	3.42	3.34
MAX	23.92	19.89	16.26	6.31	12.90	24.69	6.12	20.05	19.27	4.51	4.07	4.52
MIN	3.47	3.45	4.64	4.42	4.41	4.36	3.59	3.49	3.49	3.16	3.25	3.19
CAL YR 1985	MEAN 8.49		MAX 29.09	MIN 3.45								
WTR YR 1986	MEAN 6.33		MAX 24.69	MIN 3.16								

PEARL RIVER BASIN

02488000 PEARL RIVER AT ROCKPORT, MS

LOCATION.--Lat 31°47'25", long 90°08'35", in SW¼ 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.--June 1939 to September 1951, October 1984 to current year.

GAGE.--Water-stage recorder. Datum of gage is 180.19 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Dec. 6 to Jan. 7. Records fair except for estimated daily discharges, which are poor. Telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 54,600 ft³/s, Feb. 20, 1946; gage height, 34.31 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 gage height of 42.83 ft gage datum, 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. 20	1830	*19,300	*21.39	No other peak greater than base discharge.			

Minimum discharge, 393 ft³/s, Sept. 30, gage height 6.28 ft.

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	963	16100	1180	2000	1100	1120	2930	663	11600	1420	545	416
2	1100	12700	1420	1910	1080	1060	2040	697	10200	814	541	428
3	911	9960	1600	1780	1060	1050	1560	666	8680	684	532	747
4	749	8350	1510	1690	1380	1040	1300	633	6390	659	571	676
5	659	7450	1520	1730	5320	1020	1200	616	5490	633	538	598
6	589	7000	1460	1960	7470	999	1110	608	4250	600	517	636
7	557	6370	1410	1960	6370	994	1040	604	3040	601	523	544
8	543	5920	1410	1980	4920	981	989	597	2470	958	566	484
9	530	5330	1460	1970	4320	973	968	589	2870	1170	639	450
10	523	4610	1500	1970	4430	979	1270	584	3290	960	593	432
11	521	3910	2730	1830	5010	972	1770	608	3430	732	578	417
12	513	3260	7290	1400	4410	1210	1800	778	3030	665	862	459
13	514	2560	11000	1250	3250	3420	1880	1610	3660	652	650	610
14	521	1880	11600	1190	2480	5160	1520	1070	3030	605	525	825
15	561	1510	9110	1160	2200	4830	1290	1010	1780	562	500	598
16	711	1410	6790	1140	1900	4560	1280	811	1230	666	484	479
17	730	1350	6150	1130	1520	5310	1280	674	1180	730	486	443
18	687	1380	5830	1120	1380	5990	1120	747	1350	771	494	426
19	737	1290	5600	1140	1330	14800	1020	3940	1210	619	482	496
20	1470	1220	5330	1120	1360	19000	984	4260	1070	548	472	462
21	983	1180	4780	1110	1800	18500	1120	3190	930	560	466	455
22	711	1140	4280	1100	1930	16600	1090	2680	727	1150	459	444
23	1370	1060	3780	1080	1900	15500	873	1980	658	1860	463	463
24	3850	832	3510	1070	1880	14100	797	1680	628	933	471	464
25	5010	746	3100	1090	1860	13300	758	2230	619	693	471	450
26	3200	721	2640	1200	1830	12400	728	5030	598	751	462	418
27	2670	813	2460	1360	1800	11300	703	6770	597	631	629	410
28	7360	1100	2510	1250	1450	9880	686	10600	594	614	725	402
29	15800	1220	2820	1180	---	8140	669	11300	776	688	534	394
30	17000	1220	2460	1140	---	5880	669	11100	1590	584	476	393
31	17400	---	2140	1120	---	4090	---	11400	---	525	432	---
TOTAL	89443	113592	120380	44130	76740	205158	36444	89725	86967	24038	16686	14919
MEAN	2885	3786	3883	1424	2741	6618	1215	2894	2899	775	538	497
MAX	17400	16100	11600	2000	7470	19000	2930	11400	11600	1860	862	825
MIN	513	721	1180	1070	1060	972	669	584	594	525	432	393
CFSM	.63	.83	.85	.31	.60	1.45	.27	.64	.64	.17	.12	.11
IN.	.73	.93	.98	.36	.63	1.68	.30	.73	.71	.20	.14	.12

CAL YR 1985	TOTAL	1657347	MEAN	4541	MAX	29000	MIN	474	CFSM	1.00	IN	13.53
WTR YR 1986	TOTAL	918222	MEAN	2516	MAX	19000	MIN	393	CFSM	.55	IN	7.50

PEARL RIVER BASIN

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02488000 PEARL RIVER AT ROCKPORT, MS

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.45	20.02	7.64	---	7.51	7.55	9.78	6.81	17.15	7.95	6.49	6.33
2	7.65	17.91	7.97	---	7.48	7.46	8.78	6.86	16.11	7.06	6.48	6.35
3	7.36	15.90	8.21	---	7.46	7.44	8.17	6.81	14.90	6.84	6.46	6.95
4	7.09	14.64	8.10	---	7.89	7.42	7.80	6.75	13.00	6.80	6.54	6.83
5	6.93	13.90	8.12	---	12.03	7.39	7.66	6.72	12.23	6.75	6.47	6.69
6	6.80	13.52	8.03	---	13.91	7.36	7.53	6.70	11.11	6.69	6.43	6.76
7	6.74	12.98	---	8.68	12.98	7.35	7.42	6.70	9.90	6.69	6.44	6.58
8	6.70	12.60	---	8.70	11.73	7.33	7.35	6.68	9.28	7.29	6.53	6.47
9	6.68	12.10	---	8.69	11.17	7.32	7.31	6.67	9.72	7.62	6.66	6.40
10	6.66	11.46	---	8.69	11.29	7.33	7.76	6.66	10.17	7.30	6.58	6.36
11	6.65	10.80	---	8.51	11.81	7.32	8.44	6.71	10.31	6.92	6.55	6.33
12	6.63	10.13	---	7.94	11.26	7.66	8.47	6.99	9.89	6.81	7.10	6.42
13	6.63	9.38	---	7.73	10.12	10.27	8.58	8.23	10.54	6.79	6.78	6.71
14	6.64	8.57	---	7.65	9.29	11.95	8.11	7.47	9.88	6.70	6.55	7.08
15	6.72	8.10	---	7.61	8.97	11.65	7.80	7.37	8.44	6.62	6.50	6.68
16	6.98	7.96	---	7.58	8.60	11.41	7.77	7.06	7.71	6.81	6.47	6.46
17	7.01	7.88	---	7.56	8.11	12.08	7.77	6.82	7.63	6.92	6.47	6.38
18	6.94	7.92	---	7.55	7.92	12.66	7.55	6.95	7.88	6.99	6.49	6.35
19	7.01	7.80	---	7.57	7.85	18.96	7.39	10.73	7.68	6.72	6.46	6.49
20	8.12	7.70	---	7.55	7.90	21.30	7.34	11.12	7.47	6.59	6.44	6.42
21	7.41	7.63	---	7.53	8.48	20.78	7.54	10.06	7.25	6.61	6.43	6.41
22	6.96	7.58	---	7.52	8.64	19.73	7.49	9.51	6.92	7.51	6.42	6.39
23	7.89	7.45	---	7.49	8.61	19.14	7.16	8.70	6.80	8.54	6.43	6.43
24	10.75	7.09	---	7.48	8.58	18.38	7.04	8.32	6.74	7.24	6.44	6.43
25	11.84	6.95	---	7.49	8.55	17.94	6.97	8.95	6.73	6.83	6.44	6.40
26	10.13	6.91	---	7.66	8.52	17.46	6.92	11.83	6.69	6.92	6.42	6.33
27	9.56	7.06	---	7.89	8.48	16.74	6.88	13.32	6.68	6.70	6.73	6.32
28	13.74	7.51	---	7.74	8.01	15.71	6.85	16.41	6.68	6.66	6.91	6.30
29	19.82	7.68	---	7.64	---	14.41	6.82	16.87	6.99	6.78	6.57	6.28
30	20.56	7.70	---	7.58	---	12.56	6.81	16.73	8.19	6.58	6.45	6.28
31	20.76	---	---	7.54	---	10.95	---	16.98	---	6.46	6.36	---
MEAN	8.99	10.16	---	---	9.40	12.36	7.64	9.18	9.36	6.96	6.53	6.49
MAX	20.76	20.02	---	---	13.91	21.30	9.78	16.98	17.15	8.54	7.10	7.08
MIN	6.63	6.91	---	---	7.46	7.32	6.81	6.66	6.68	6.46	6.36	6.28

PEARL RIVER BASIN

02488500 PEARL RIVER NEAR MONTICELLO, MS

LOCATION.--Lat 31°33'12", long 90°05'16", in SW 1/4 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.--Records good except for estimated daily discharges, June 10-17 and June 22 to July 14, which are fair. National Weather Service telemeter at station.

AVERAGE DISCHARGE.--48 years, 6,726 ft³/s, 18.29 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 (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Oct. 30	1000	*19,600	*19.93				

Minimum discharge, 610 ft³/s, Sept. 30, gage height, 5.12 ft.

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	1210	17000	1330	2110	1200	1560	3650	1050	13800	1350	747	666
2	1410	15000	1470	1990	1180	1400	2680	1700	12500	999	747	671
3	1340	11600	1590	1790	1170	1370	2030	1590	10800	950	725	737
4	1110	9090	1590	1630	1900	1350	1700	1200	8440	950	709	949
5	971	7580	1570	1540	6950	1320	1530	1070	7290	950	748	910
6	882	6860	1530	1540	8890	1290	1460	1010	6170	999	707	814
7	830	6260	1460	1870	8000	1270	1400	989	4100	999	702	840
8	808	5690	1460	1970	6180	1250	1350	987	3140	999	715	766
9	797	5230	1460	1980	4950	1230	1340	959	2980	1300	757	708
10	808	4600	1460	1990	4820	1230	1340	931	3500	1350	815	668
11	804	3990	1610	2110	5450	1230	1810	958	3890	1100	791	653
12	787	3370	4060	1830	5080	1680	2350	971	3500	999	857	670
13	782	2840	10700	1510	3840	5630	3270	1360	3540	950	1080	773
14	786	2210	12800	1390	3020	5820	2400	1690	3940	899	899	925
15	787	1740	11100	1340	2710	5770	1890	1290	2600	850	806	938
16	857	1540	8470	1310	2500	5120	1730	1270	1600	861	759	757
17	943	1500	7090	1300	2060	5300	1640	1070	1500	977	746	684
18	948	1440	6610	1290	1840	6040	1540	1240	1570	1020	754	653
19	901	1410	6370	1320	1750	13300	1410	2890	1600	1020	743	677
20	1110	1320	5990	1310	1730	19700	1700	5050	1450	889	722	722
21	1430	1260	5390	1260	2040	20000	2320	3900	1350	832	713	697
22	1080	1220	4660	1220	2260	18600	1830	3250	999	1100	719	680
23	963	1200	4050	1200	2220	17100	1530	2640	899	1900	711	682
24	2260	1130	3810	1180	2180	15700	1330	2090	850	1660	704	682
25	4800	988	3470	1200	2130	14600	1240	2210	899	1090	705	680
26	3920	943	2950	1330	2100	13800	1160	4640	899	926	698	660
27	2890	924	2670	1410	2090	12800	1110	8360	799	925	692	638
28	6600	1070	2780	1410	1930	11400	1070	11900	999	880	819	629
29	15900	1220	3030	1330	---	9640	1060	13600	1250	916	917	617
30	19300	1290	2600	1290	---	7300	1040	13400	2100	904	763	617
31	18000	---	2170	1240	---	5060	---	14000	---	795	705	---
TOTAL	96014	121515	127300	47190	92170	228860	51910	109265	108954	32339	23675	21763
MEAN	3097	4051	4106	1522	3292	7383	1730	3525	3632	1043	764	725
MAX	19300	17000	12800	2110	8890	20000	3650	14000	13800	1900	1080	949
MIN	782	924	1330	1180	1170	1230	1040	931	799	795	692	617
CFSM	.62	.81	.82	.31	.66	1.48	.35	.71	.73	.21	.15	.15
IN.	.72	.91	.95	.35	.69	1.71	.39	.81	.81	.24	.18	.16

CAL YR 1985	TOTAL	1755707	MEAN	4810	MAX	28400	MIN	727	CFSM	.96	IN	13.08
WTR YR 1986	TOTAL	1060955	MEAN	2907	MAX	20000	MIN	617	CFSM	.58	IN	7.90

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

CAL YR 1985 MEAN 9.41 MAX 23.29 MIN 5.48

PEARL RIVER BASIN

02488700 WHITESAND CREEK NEAR OAK VALE, MS

LOCATION.--Lat 31°28'14", long 89°58'25", in SW¼ sec.24, T.6 N., R.20 W., St. Stephens Meridian, Lawrence County, Hydrologic Unit 03180003, near 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, Mississippi State Highway Department datum.

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

AVERAGE DISCHARGE.--21 years, 201 ft³/s, 21.00 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, 20½ 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)
Oct. 29	2400	*2,940	*8.72				

Minimum daily discharge, 65 ft³/s, July 6-8.

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	253	449	121	291	138	145	132	110	125	91	92	90
2	181	322	149	201	136	145	130	116	117	79	93	93
3	141	274	128	170	137	145	130	145	112	73	93	100
4	126	233	120	160	319	145	129	121	115	71	92	105
5	119	200	118	155	889	144	128	115	115	67	92	149
6	112	182	118	153	532	143	127	113	130	65	93	108
7	107	169	117	153	276	143	126	111	118	65	98	94
8	106	154	116	152	215	143	125	110	112	65	96	91
9	105	144	116	150	191	143	126	112	110	71	94	88
10	105	140	116	156	182	143	123	112	109	73	94	89
11	106	136	125	184	189	143	122	128	116	82	97	91
12	106	134	271	163	172	368	158	120	111	84	109	93
13	106	130	471	151	161	936	200	113	108	88	104	94
14	113	128	340	147	157	430	148	111	107	91	95	92
15	113	124	214	145	159	227	132	109	107	97	92	90
16	111	123	182	145	160	207	127	108	107	98	91	89
17	110	121	169	145	158	181	124	107	110	108	93	90
18	109	119	161	146	157	159	123	191	110	145	92	90
19	109	118	150	148	156	394	122	227	106	113	92	93
20	108	117	142	148	153	524	153	137	83	104	91	96
21	107	115	136	145	149	243	197	118	82	103	92	92
22	111	114	133	144	147	179	140	112	97	102	95	91
23	117	114	133	143	145	163	125	110	104	94	95	89
24	237	114	130	143	145	156	122	109	85	90	93	89
25	262	113	126	151	145	150	121	155	79	91	91	87
26	156	111	122	186	144	150	119	206	79	92	93	86
27	168	111	126	159	146	143	118	202	78	93	92	87
28	684	123	177	150	145	139	117	190	86	137	94	86
29	1680	128	169	148	---	135	116	159	89	116	93	86
30	1960	117	152	148	---	135	114	130	103	102	91	85
31	773	---	187	146	---	133	---	149	---	93	90	---
TOTAL	8701	4677	5035	4926	5803	6734	3974	4156	3110	2843	2912	2803
MEAN	281	156	162	159	207	217	132	134	104	91.7	93.9	93.4
MAX	1960	449	471	291	889	936	200	227	130	145	109	149
MIN	105	111	116	143	136	133	114	107	78	65	90	85
CFSM	2.16	1.20	1.25	1.22	1.59	1.67	1.02	1.03	.80	.71	.72	.72
IN.	2.49	1.34	1.44	1.41	1.66	1.93	1.14	1.19	.89	.81	.83	.80

CAL YR 1985 TOTAL 65214 MEAN 179 MAX 1960 MIN 89 CFSM 1.38 IN 18.66
WTR YR 1986 TOTAL 55674 MEAN 153 MAX 1960 MIN 65 CFSM 1.18 IN 15.93

PEARL RIVER BASIN

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02488700 WHITESAND CREEK NEAR OAK VALE, MS

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.64	5.03	4.00	4.58	4.07	4.19	4.25	4.16	4.22	4.07	3.98	3.97
2	4.41	4.67	4.12	4.30	4.06	4.19	4.24	4.18	4.19	4.01	3.98	3.99
3	4.26	4.53	4.03	4.19	4.07	4.19	4.24	4.30	4.16	3.98	3.98	4.02
4	4.20	4.40	4.00	4.16	4.61	4.19	4.23	4.20	4.18	3.97	3.98	4.04
5	4.17	4.30	3.99	4.14	6.15	4.19	4.23	4.17	4.17	3.95	3.98	4.20
6	4.14	4.24	3.99	4.13	5.31	4.18	4.23	4.17	4.24	3.94	3.99	4.05
7	4.12	4.19	3.99	4.13	4.62	4.18	4.22	4.16	4.19	3.94	4.01	3.99
8	4.12	4.14	3.98	4.13	4.43	4.18	4.22	4.16	4.16	3.94	4.00	3.97
9	4.11	4.10	3.98	4.12	4.36	4.18	4.22	4.16	4.15	3.96	3.99	3.96
10	4.11	4.08	3.98	4.14	4.32	4.18	4.21	4.16	4.15	3.96	3.99	3.97
11	4.12	4.06	4.02	4.24	4.35	4.18	4.20	4.23	4.18	4.00	4.00	3.98
12	4.12	4.05	4.51	4.17	4.29	4.83	4.34	4.20	4.16	4.00	4.06	3.99
13	4.11	4.04	5.09	4.12	4.25	6.23	4.50	4.17	4.15	4.01	4.04	3.99
14	4.15	4.03	4.72	4.11	4.24	5.13	4.31	4.16	4.14	4.01	4.00	3.98
15	4.15	4.02	4.34	4.10	4.24	4.58	4.25	4.15	4.14	4.03	3.98	3.97
16	4.14	4.01	4.23	4.10	4.24	4.52	4.23	4.14	4.14	4.03	3.98	3.97
17	4.14	4.00	4.19	4.10	4.24	4.43	4.21	4.14	4.15	4.06	3.99	3.97
18	4.13	3.99	4.16	4.10	4.24	4.35	4.21	4.43	4.15	4.21	3.98	3.97
19	4.13	3.99	4.12	4.11	4.23	5.05	4.20	4.58	4.14	4.08	3.98	3.99
20	4.13	3.98	4.09	4.11	4.22	5.38	4.32	4.27	4.03	4.04	3.98	4.00
21	4.12	3.98	4.07	4.10	4.21	4.63	4.48	4.19	4.03	4.03	3.98	3.98
22	4.14	3.97	4.05	4.10	4.20	4.42	4.28	4.16	4.09	4.03	3.99	3.97
23	4.16	3.97	4.05	4.09	4.19	4.37	4.22	4.15	4.12	3.99	3.99	3.97
24	4.57	3.97	4.04	4.09	4.19	4.34	4.20	4.15	4.04	3.97	3.98	3.97
25	4.67	3.97	4.02	4.12	4.19	4.32	4.20	4.31	4.01	3.98	3.98	3.96
26	4.32	3.96	4.01	4.25	4.19	4.32	4.19	4.52	4.01	3.98	3.98	3.96
27	4.34	3.96	4.02	4.15	4.19	4.29	4.19	4.50	4.01	3.99	3.98	3.96
28	5.59	4.01	4.22	4.12	4.19	4.28	4.19	4.46	4.04	4.18	3.99	3.96
29	7.24	4.03	4.19	4.11	---	4.26	4.18	4.35	4.06	4.09	3.98	3.96
30	7.62	3.98	4.13	4.11	---	4.26	4.17	4.24	4.12	4.03	3.97	3.95
31	5.86	---	4.24	4.10	---	4.25	---	4.31	---	3.99	3.97	---
MEAN	4.52	4.12	4.15	4.15	4.36	4.46	4.25	4.25	4.12	4.01	3.99	3.99
MAX	7.62	5.03	5.09	4.58	6.15	6.23	4.50	4.58	4.24	4.21	4.06	4.20
MIN	4.11	3.96	3.98	4.09	4.06	4.18	4.17	4.14	4.01	3.94	3.97	3.95

WTR YR 1986 MEAN 4.20 MAX 7.62 MIN 3.94

LOCATION.--Lat 31°14'14", long 89°50'54", in E1 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.

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.

REMARKS.--Records furnished by National Weather Service.

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 FOR CURRENT YEAR.--Maximum observed gage height, 15.10 ft., Oct. 31; minimum observed, 1.40 ft., Sept. 29-31.

PEARL RIVER BASIN

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02489500 PEARL RIVER NEAR BOGALUSA, LA

LOCATION.--Lat 30°47'35", long 89°49'15", on line between secs.17 and 18, T.3 S., R.14 E., Washington Parish, 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 U. S. Army Corps of Engineers). Prior to July 29, 1954, nonrecording gage at same site and datum.

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

AVERAGE DISCHARGE.--48 years, 9,794 ft³/s, 20.23 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, 42,200 ft³/s, Nov. 1, gage height, 19.70 ft; minimum discharge, 1,670 ft³/s, Sept. 30, gage height, 6.74 ft.

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	3490	41700	3920	8150	3730	4120	9980	2780	18300	2660	2260	1980
2	4090	40900	3900	9180	3640	4010	7910	2720	18000	2740	2150	1880
3	3920	37400	4030	7040	3560	3770	6450	2690	17300	3100	2050	2170
4	3530	32300	3990	5740	3550	3600	5380	2980	15800	3110	1990	2500
5	3250	24600	3940	5160	4610	3480	4720	3190	13700	2760	1950	2360
6	2980	17700	3920	4790	9610	3380	4280	2970	11100	2520	1900	2230
7	2730	13600	3850	4640	13400	3300	3960	2750	9780	2420	1880	2280
8	2550	11600	3780	5080	12900	3250	3760	2640	8450	2390	1880	2170
9	2420	10400	3690	5450	11000	3210	3580	2570	6700	2310	1880	2060
10	2350	9470	3640	5280	9150	3170	3440	2520	5540	2260	1920	2030
11	2300	8810	3630	5730	8440	3150	3360	2510	5200	2430	2080	1950
12	2260	8120	4330	6180	8480	3230	3440	2800	5590	2610	2550	1870
13	2250	7400	9560	5700	8120	5430	4360	3070	5570	2540	2480	1820
14	2220	6670	14900	5160	7550	9290	5270	2840	5270	2360	2260	1800
15	2190	5990	18300	4680	6660	9980	5390	2720	5150	2230	2330	1820
16	2350	5320	19600	4370	5900	8940	4800	2990	5210	2220	2310	1910
17	3000	4830	17700	4170	5390	8410	4180	2920	4720	2290	2160	2020
18	3050	4470	13900	4060	5210	7850	3780	2960	4060	2330	2100	1970
19	2730	4280	11500	4160	5090	7660	3570	4330	3690	2380	2090	1860
20	2570	4110	10400	4320	4720	9080	3580	6470	3570	2460	2030	1800
21	2500	3970	9870	4120	4420	15700	3890	6010	3430	2430	1960	1830
22	2450	3840	9300	3960	4240	21600	4240	6230	3240	2480	1930	1890
23	2710	3720	8690	3840	4250	24400	4400	5590	3110	2400	1930	1920
24	2820	3630	7940	3750	4400	25100	3970	4940	3010	2430	1930	1880
25	3450	3550	7270	3730	4390	23600	3540	4490	2880	2980	1910	1830
26	4330	3480	6810	4150	4320	21900	3260	4770	2710	3580	1860	1810
27	5640	3390	6380	4610	4250	20200	3110	6320	2590	3210	1830	1780
28	7030	3890	6090	4370	4190	18600	3010	8920	2500	2670	1880	1760
29	14200	4430	6580	4110	---	16900	2920	12400	2470	2410	1900	1720
30	29800	4220	6480	4000	---	15000	2840	14900	2560	2410	1890	1690
31	38800	---	6210	3860	---	12600	---	17200	---	2370	1990	---
TOTAL	169960	337790	244100	153540	175170	323910	130370	153190	201200	79490	63260	58590
MEAN	5483	11260	7874	4953	6256	10450	4346	4942	6707	2564	2041	1953
MAX	38800	41700	19600	9180	13400	25100	9980	17200	18300	3580	2550	2500
MIN	2190	3390	3630	3730	3550	3150	2840	2510	2470	2220	1830	1690
CFSM	.83	1.71	1.20	.75	.95	1.59	.66	.75	1.02	.39	.31	.30
IN.	.96	1.91	1.38	.87	.99	1.83	.74	.87	1.14	.45	.36	.33
CAL YR 1985	TOTAL	3042300	MEAN	8335	MAX	41700	MIN	2130	CFSM	1.27	IN	17.22
WTR YR 1986	TOTAL	2090570	MEAN	5728	MAX	41700	MIN	1690	CFSM	.87	IN	11.83

PEARL RIVER BASIN

02490500 BOGUE CHITTO NEAR TYLERTOWN, MS

LOCATION.--Lat 31°10'37", long 90°16'48", in SE4 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.--Estimated daily discharges: Oct. 1-21, Nov. 28 to Dec. 27, Feb. 25-28. Records poor prior to Mar. 1, good thereafter. Telemeter at station.

AVERAGE DISCHARGE.--42 years, 793 ft³/s, 21.89 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 1.2 ft higher than the flood of Jan. 7, 1950, at the railroad bridge, 0.2 mi downstream.

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)
Oct. 30	2330	*11,800	*19.72	No other peak greater than base discharge.			

Minimum daily discharge, 241 ft³/s, Sept. 30.

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	774	862	379	1060	403	361	366	322	1830	374	301	264
2	1150	2850	418	775	398	358	356	315	1630	358	292	264
3	702	1420	419	674	399	360	349	314	802	337	292	331
4	446	1060	388	599	1160	358	343	377	599	327	282	301
5	367	843	370	545	3830	353	334	337	555	318	277	305
6	324	712	360	488	2930	349	330	315	589	317	274	292
7	301	641	355	480	1950	346	324	310	583	316	274	271
8	286	576	352	490	1000	343	323	303	472	311	270	262
9	278	529	354	467	765	344	318	300	462	316	267	257
10	272	500	353	483	660	343	312	355	473	347	304	255
11	268	480	390	565	628	344	306	468	447	335	300	255
12	265	461	1370	596	623	1130	567	363	414	309	540	258
13	268	448	2850	546	556	3210	1100	343	388	300	856	254
14	262	436	2790	488	522	2440	1130	331	369	297	486	254
15	262	427	2290	457	511	1410	654	315	355	298	345	255
16	297	413	1190	437	495	1120	493	308	346	379	316	248
17	291	407	768	428	489	823	432	309	598	328	311	246
18	285	411	643	424	483	636	402	561	829	319	314	244
19	295	403	569	422	469	2120	385	1730	675	315	293	245
20	367	389	516	416	452	2980	493	1990	603	313	282	251
21	358	379	479	413	434	2390	738	1130	452	312	275	260
22	302	374	456	407	416	1260	875	582	398	608	276	256
23	590	371	443	403	404	754	565	471	388	594	277	262
24	705	368	429	398	393	621	452	427	382	460	276	253
25	703	367	411	420	383	544	403	767	352	356	274	246
26	494	366	393	539	377	495	378	934	338	325	267	250
27	551	366	458	531	376	460	361	1680	336	319	266	252
28	630	384	534	473	371	430	347	2840	339	322	271	249
29	9210	378	509	445	---	409	336	2810	403	597	286	247
30	11800	369	484	426	---	393	329	2960	406	414	317	246
31	9360	---	906	412	---	382	---	2120	---	330	277	---
TOTAL	42463	17990	22626	15707	21877	27866	14101	26687	16813	11151	9938	7833
MEAN	1370	600	730	507	781	899	470	861	560	360	321	261
MAX	11800	2850	2850	1060	3830	3210	1130	2960	1830	608	856	331
MIN	262	366	352	398	371	343	306	300	336	297	266	244
CFSM	2.79	1.22	1.48	1.03	1.59	1.83	.96	1.75	1.14	.73	.65	.53
IN.	3.21	1.36	1.71	1.19	1.65	2.11	1.07	2.02	1.27	.84	.75	.59

CAL YR 1985 TOTAL 269337 MEAN 738 MAX 11800 MIN 251 CFSM 1.50 IN 20.36
WTR YR 1986 TOTAL 235052 MEAN 644 MAX 11800 MIN 244 CFSM 1.31 IN 17.77

TENNESSEE RIVER MAIN STEM

03589500 TENNESSEE RIVER AT FLORENCE, AL

LOCATION.--Lat 34°47'13", long 87°40'12", in SW¼ sec.14, T.3 S., R.11 W., Lauderdale County, AL, 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.--Estimated daily discharges: Dec. 4, 30, Jan. 7, and Mar. 7. Records good except for periods of estimated record and those below 25,000 ft³/s, which are fair. Slight regulation since 1924 by Wilson Lake and increasing regulation since 1936 as other reservoirs have been built above station. Flow now almost completely regulated.

AVERAGE DISCHARGE.--92 years, 51,614 ft³/s, 22.75 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, 101,000 ft³/s, Feb. 22, maximum gage height, 14.58 ft, June 10; minimum daily discharge, 10,200 ft³/s, Sept. 28.

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	29200	30600	38300	25300	17800	48900	16100	14000	14800	24300	17800	21400
2	31300	23000	56100	26700	18300	29400	17000	15900	14600	21300	20300	17500
3	41300	18900	61000	32800	21100	25400	14400	11500	15700	21100	19600	21200
4	36600	32800	58000	30500	18700	41400	13700	13100	13500	22600	31300	29000
5	32000	37200	56500	26400	20700	42300	14200	14800	19300	24900	17900	31800
6	26100	44400	58800	37700	28300	44000	14700	13100	26400	25000	20600	32100
7	25600	44500	55500	38000	36400	35000	14800	11700	24300	19600	24800	31800
8	30900	42400	40600	39300	31000	23700	18100	11100	15200	27800	15700	24200
9	31500	36400	44000	32600	28500	19500	22000	10900	28500	26900	21600	21900
10	32500	28100	32500	24700	30100	29400	16900	12100	26000	22600	18200	25800
11	27600	35300	44800	21000	51600	30200	15900	10800	28400	26600	20500	29300
12	27100	36200	45400	20100	50700	36200	15000	13100	22500	26900	17800	29100
13	17600	34300	51300	27500	51900	65500	11100	11600	27500	24700	22700	27500
14	28800	31500	54600	30100	31100	73100	15400	12700	22500	29100	22700	27300
15	23000	31000	35500	27700	40700	51900	20500	12000	25800	21200	22700	17000
16	28000	29500	48100	25500	35800	29600	19100	12800	21200	28300	26700	22300
17	31000	22400	56800	21000	41000	43900	14500	12100	22100	32500	20700	22400
18	33400	25700	55100	13700	84100	41000	14300	13100	17800	26200	22300	23700
19	31000	29500	53200	16900	91500	49400	11600	17400	12900	26800	19500	26700
20	18700	37000	53000	26000	91400	42800	18600	14900	24700	15300	21100	26500
21	26000	33800	40000	26300	92100	62400	17300	15300	16500	19200	14200	14800
22	25500	35600	36900	24000	97500	61500	17700	16600	15400	25300	16800	17000
23	35000	28300	32400	23300	83800	43600	14600	13300	18700	24000	26800	23700
24	44400	21900	29600	23200	79900	29100	16000	14500	24300	28700	26700	27500
25	41500	31300	43800	23100	55500	22100	13200	15300	18100	24200	29300	32700
26	27900	36100	45800	20700	53200	24300	13200	13400	15300	14900	19200	30000
27	25200	35500	39500	40400	47500	23700	12400	14700	18500	21200	18600	20200
28	38800	31800	23800	50600	42800	23200	16900	19100	15500	20800	21800	10200
29	38100	36200	23000	45500	---	14400	13600	40000	14300	18900	24000	13200
30	25400	47900	25000	28500	---	17400	13500	44600	28800	17300	25700	17600
31	23600	---	27000	24100	---	16000	---	30000	---	20300	24600	---
TOTAL	934600	989100	1365900	873200	1373000	1140300	466300	495500	609100	728500	672200	715400
MEAN	30150	32970	44060	28170	49040	36780	15540	15980	20300	23500	21680	23850
MAX	44400	47900	61000	50600	97500	73100	22000	44600	28800	32500	31300	32700
MIN	17600	18900	23000	13700	17800	14400	11100	10800	12900	14900	14200	10200
CFSM	.98	1.07	1.43	.91	1.59	1.19	.50	.52	.66	.76	.70	.77
IN.	1.13	1.19	1.65	1.05	1.66	1.38	.56	.60	.74	.88	.81	.86

CAL YR 1985 TOTAL 12721120 MEAN 34850 MAX 142000 MIN 7280 CFSM 1.13 IN 15.36
WTR YR 1986 TOTAL 10363100 MEAN 28390 MAX 97500 MIN 10200 CFSM .92 IN 12.51

TENNESSEE RIVER BASIN

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: Nov. 10-14 and July 30 to Aug. 4. Records good.

AVERAGE DISCHARGE.--13 years, 44.1 ft³/s, 24.26 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, not determined Dec. 26, 1983, 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)
Nov. 1	0615	908	15.09	June 7	2200	*1,100	*15.71
Feb. 18	0245	837	14.94				

Minimum discharge, 2.2 ft³/s Oct. 9, gage height, 6.32 ft.

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	33	467	60	21	12	16	15	6.9	28	7.5	3.9	5.0
2	8.4	82	36	16	12	16	14	7.8	24	12	3.9	5.5
3	4.3	72	20	16	12	16	14	6.6	13	10	4.0	6.3
4	3.8	37	18	16	13	15	15	6.3	11	7.1	4.0	5.7
5	3.0	23	21	14	22	15	14	6.3	28	6.3	4.1	5.9
6	2.6	19	19	13	16	15	13	6.0	61	5.8	4.4	5.3
7	2.6	17	16	14	14	14	14	5.9	446	5.5	5.0	4.6
8	2.4	14	16	11	12	14	20	5.8	253	5.4	6.6	4.3
9	2.2	12	17	11	14	14	14	5.7	91	5.2	15	4.3
10	2.5	11	16	14	17	14	12	5.5	64	5.0	17	4.4
11	2.6	10	18	14	16	14	12	9.8	130	4.8	7.5	4.7
12	2.6	9.5	27	13	12	85	11	8.8	149	4.8	5.8	15
13	2.5	9.0	31	13	13	180	11	6.6	47	10	4.8	6.3
14	13	10	19	12	41	58	11	5.8	23	20	4.6	5.2
15	156	13	14	12	31	50	11	5.6	17	9.4	4.5	4.8
16	28	134	16	12	15	32	9.8	5.7	12	7.1	44	5.0
17	11	118	17	13	285	26	9.8	5.3	12	5.9	27	5.0
18	7.5	86	14	13	402	40	9.8	6.4	12	5.4	8.0	6.1
19	6.8	42	11	22	96	189	9.7	19	11	5.3	5.9	6.0
20	7.6	29	14	15	53	63	11	8.1	11	4.9	5.3	6.5
21	10	23	14	13	37	37	13	6.3	12	4.7	4.9	11
22	7.2	21	15	13	30	31	10	8.8	9.6	4.4	4.6	6.3
23	128	19	17	11	26	28	9.8	12	9.6	4.4	4.5	6.0
24	82	18	14	11	25	24	9.4	16	8.7	4.3	4.5	5.4
25	26	17	11	12	22	21	9.2	56	7.7	4.2	4.4	4.9
26	15	19	8.7	13	21	20	8.9	41	6.7	4.2	4.4	4.7
27	14	38	12	9.8	20	19	7.7	45	6.4	4.1	4.5	4.7
28	22	57	13	8.7	17	17	7.5	156	8.7	4.2	7.8	4.7
29	14	28	13	13	---	17	7.2	58	13	4.1	5.0	4.6
30	11	22	13	13	---	16	6.7	20	10	4.1	4.7	4.6
31	48	---	27	11	---	15	---	13	---	4.0	4.6	---
TOTAL	679.6	1476.5	577.7	413.5	1306	1131	340.5	576.0	1535.4	194.1	239.2	172.8
MEAN	21.9	49.2	18.6	13.3	46.6	36.5	11.4	18.6	51.2	6.26	7.72	5.76
MAX	156	467	60	22	402	189	20	156	446	20	44	15
MIN	2.2	9.0	8.7	8.7	12	14	6.7	5.3	6.4	4.0	3.9	4.3
CFSM	.89	1.99	.75	.54	1.89	1.48	.46	.75	2.07	.25	.31	.23
IN.	1.02	2.22	.87	.62	1.97	1.70	.51	.87	2.31	.29	.36	.26

CAL YR 1985	TOTAL	10513.7	MEAN	28.8	MAX	568	MIN	2.2	CFSM	1.17	IN	15.83
WTR YR 1986	TOTAL	8642.3	MEAN	23.7	MAX	467	MIN	2.2	CFSM	.96	IN	13.02

TENNESSEE RIVER BASIN

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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.

WATER-STAGE RECORDS

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.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 18.24 ft, May 9, 1984; minimum, 7.95 ft, Dec. 26, 1985.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 15.15 ft, June 11; minimum, 7.95 ft, Dec. 26.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.98	---	---	8.83	9.42	9.05	10.81	10.87	11.71	13.80	12.65	11.87
2	---	---	---	8.92	9.25	9.00	10.71	10.81	11.71	13.51	12.53	11.66
3	---	---	---	8.85	9.22	9.02	10.83	10.81	12.68	13.26	12.80	11.53
4	---	---	---	8.77	9.29	8.97	10.84	10.73	13.86	12.94	12.88	11.35
5	---	---	---	8.79	9.31	9.22	10.88	10.73	14.03	12.86	12.90	11.35
6	---	---	---	8.86	9.17	9.13	10.77	10.82	14.17	13.37	12.77	11.37
7	---	---	---	8.90	9.06	9.21	10.71	10.81	14.21	13.66	12.64	11.71
8	---	---	---	8.99	8.99	9.17	10.82	10.81	14.59	13.73	12.54	11.82
9	---	---	---	8.99	8.97	9.08	10.94	10.83	14.47	13.60	12.36	11.69
10	---	---	8.92	9.08	8.96	8.91	11.17	10.80	14.49	13.43	12.75	11.41
11	---	---	8.81	9.18	8.80	8.85	11.26	10.85	14.91	13.04	12.95	11.14
12	---	---	8.80	9.17	9.01	8.86	11.27	10.89	14.81	12.92	12.84	11.13
13	---	---	8.50	9.02	9.33	9.21	11.16	10.95	14.26	13.18	12.50	11.07
14	---	---	8.53	9.17	9.43	9.03	11.04	10.96	13.89	13.45	12.28	11.45
15	---	---	9.13	9.35	9.50	9.21	11.00	11.00	13.72	13.42	12.07	11.53
16	---	---	9.17	9.44	9.55	9.28	11.04	11.07	13.70	13.30	12.03	11.23
17	---	---	8.91	9.55	9.60	9.28	11.14	10.99	13.47	12.94	12.38	11.03
18	---	---	8.94	9.41	10.19	8.99	11.19	10.98	13.39	12.76	12.50	10.91
19	---	---	8.79	9.03	10.19	9.00	11.15	11.13	13.25	12.98	12.44	10.97
20	---	---	8.75	8.83	9.73	9.25	11.06	11.27	13.19	13.40	12.12	11.12
21	---	---	8.86	8.87	9.31	9.39	11.08	11.30	13.25	13.33	11.99	11.30
22	---	---	8.99	8.86	9.78	9.50	11.10	11.37	13.52	13.16	11.70	11.23
23	---	---	8.96	8.98	10.21	9.80	11.23	11.49	13.74	13.13	11.62	11.07
24	---	---	8.73	9.05	10.10	9.97	11.22	11.57	13.89	13.05	11.92	10.91
25	---	---	8.92	9.01	9.90	10.20	11.11	11.76	13.75	12.88	12.15	10.63
26	---	---	8.86	8.94	9.59	10.40	11.05	11.71	13.52	12.70	12.12	10.48
27	---	---	8.76	8.81	9.26	10.67	11.00	11.71	13.24	12.95	12.00	10.54
28	---	---	8.91	9.41	8.93	10.90	10.93	11.71	13.26	13.28	11.90	10.74
29	---	---	8.93	9.63	---	11.11	10.98	11.71	13.43	13.11	11.55	10.74
30	---	---	8.93	9.84	---	10.96	10.96	11.71	13.62	12.97	11.50	10.79
31	---	---	8.80	9.58	---	10.85	---	11.71	---	12.89	11.82	---
MEAN	---	---	---	9.10	9.43	9.53	11.02	11.16	13.66	13.19	12.30	11.19
MAX	---	---	---	9.84	10.21	11.11	11.27	11.76	14.91	13.80	12.95	11.87
MIN	---	---	---	8.77	8.80	8.85	10.71	10.73	11.71	12.70	11.50	10.48

TENNESSEE RIVER BASIN

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1980 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1980 to September 1985.

pH: April 1980 to September 1985.

WATER TEMPERATURE: April 1980 to September 1985.

TURBIDITY: April 1980 to September 1985.

DISSOLVED OXYGEN: April 1980 to September 1985.

SUSPENDED SEDIMENT CONCENTRATION: October 1980 to September 1985.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SAM- PLING DEPTH (FEET)	GAGE HEIGHT (FEET ABOVE DATUM)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TRANS- PAR- ENCY (SECCHI DISK) (IN)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
NOV									
13...	1100	--	--	116	7.10	17.5	20.4	--	--
13...	1101	1.00	--	116	7.10	17.5	--	--	--
13...	1102	5.00	--	117	7.30	17.5	--	--	--
13...	1103	10.0	--	118	7.30	16.5	--	--	--
13...	1104	15.0	--	118	7.40	16.5	--	--	--
FEB									
04...	1030	--	9.29	102	7.90	9.0	34.2	12.5	110
04...	1031	1.00	--	102	7.90	9.0	--	12.5	110
04...	1032	5.00	--	103	8.00	8.5	--	12.2	106
04...	1033	10.0	--	105	8.00	8.0	--	12.2	105
04...	1034	13.0	--	106	8.10	8.0	--	12.5	107
MAR									
17...	0900	--	9.30	72	6.90	15.5	11.4	8.6	87
17...	0901	1.00	--	72	6.90	15.5	--	8.6	87
17...	0902	5.00	--	72	7.00	15.5	--	8.4	85
17...	0903	10.0	--	72	7.00	15.5	--	8.4	85
17...	0904	14.0	--	72	7.10	15.5	--	8.3	84
JUL									
07...	0900	--	13.65	164	--	30.0	59.0	7.8	104
07...	0901	1.00	--	164	--	30.0	--	7.8	104
07...	0902	5.00	--	164	--	29.5	--	7.9	104
07...	0903	10.0	--	164	--	29.5	--	7.2	95
07...	0904	15.0	--	167	--	29.0	--	6.2	81
07...	0905	17.0	--	167	--	29.0	--	5.8	76

MISSISSIPPI RIVER MAIN STEM

07032000 MISSISSIPPI RIVER AT MEMPHIS, TN

LOCATION.--Lat 35°07'37", long 90°04'25", Shelby County, Hydrologic Unit 08010100, on left bank 50 ft downstream from Harahan Bridge at Memphis, 1.3 mi downstream from Beale Street gage, 3.5 mi downstream from Wolf River, 62.4 mi upstream from St. Francis River, and at mile 734.8.

DRAINAGE AREA.--932,800 mi², approximately.

PERIOD OF RECORD.--Discharge: January 1933 to September 1981. Monthly discharge only for some periods, published in WSP 1311.

Gage heights: October 1934 to September 1951 and October 1952 to September 1981 in reports of Geological Survey. Since November 1871, at Beale Street gage, in reports of Mississippi River Commission, December 1890 to August 1932 at Beale Street gage, September 1932 to December 1934 at nonrecording gage 1,000 ft downstream, and since December 1934 at water-stage recorder at present site, in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 183.91 ft National Geodetic Vertical Datum of 1929. Prior to Apr. 16, 1934, Beale Street nonrecording gage 1.3 mi upstream at present datum. Apr. 16 to Dec. 21, 1934, nonrecording gage 1,000 ft downstream at present datum.

REMARKS.--Flow regulated by many locks, dams, and reservoirs upstream.

COOPERATION.--Records furnished by Corps of Engineers.

AVERAGE DISCHARGE.--48 years, 474,200 ft³/s, 343,600,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 1,980,000 ft³/s Feb. 8, 1937, maximum gage height, 48.69 ft Feb. 10, 1937, minimum discharge, 79,200 ft³/s Aug. 26, 1936, minimum gage height -5.70 ft Sept. 21, 1976.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage prior to 1937, 46.55 ft Apr. 9, 1913, at Beale Street gage or about 45.2 ft at present site.

NOTE.--Records for 1982-1985 water years will be published in a subsequent report.

YAZOO RIVER BASIN

07268000 LITTLE TALLAHATCHIE RIVER AT ETTA, MS

LOCATION.--Lat 34°29'00", long 89°13'30", in SE¼SW¼ sec.8, T.7 S., R.1 E., Chickasaw Meridian, Union County, Hydrologic Unit 08030201, on 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: Oct. 1-10, and July 3-10. Records fair.

AVERAGE DISCHARGE.--48 years, 853 ft³/s, 22.02 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, 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)
June 7	0500	*21,300	*24.70	No other peak greater than base discharge.			
Minimum discharge, 20 ft ³ /s, Aug. 6 gage height 8.89 ft.							

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	92	426	1570	184	85	172	181	62	224	1030	28	36
2	60	244	1020	141	88	167	178	93	217	466	27	36
3	49	216	419	136	86	171	166	71	473	243	27	36
4	46	211	326	130	91	151	166	60	328	171	26	40
5	43	134	291	122	130	145	167	54	2440	132	24	88
6	42	113	253	108	124	147	146	52	10700	109	24	63
7	41	104	214	117	120	130	137	51	15400	93	29	41
8	40	90	209	104	99	123	156	51	5740	80	87	31
9	39	82	190	107	96	136	167	49	2620	71	54	29
10	38	82	178	112	116	122	126	196	4680	64	147	27
11	38	94	186	117	129	123	120	765	5600	59	336	26
12	36	79	372	109	105	445	118	514	3000	58	80	35
13	37	73	562	105	99	2030	116	174	849	55	35	34
14	36	74	366	100	250	553	110	104	575	51	30	28
15	253	75	238	101	683	603	119	78	452	63	37	26
16	123	2790	216	104	315	342	104	74	358	62	388	25
17	64	2290	200	105	1780	256	98	62	291	49	567	24
18	51	1400	180	104	4200	1300	98	62	261	46	95	30
19	48	515	145	140	967	9640	95	128	201	59	49	29
20	94	362	176	134	586	2230	120	81	169	51	39	27
21	374	274	169	115	449	754	167	62	142	45	34	25
22	123	238	168	109	362	578	116	64	118	40	32	230
23	260	204	188	96	328	500	95	100	102	39	29	56
24	562	186	174	91	295	440	89	111	100	38	28	32
25	174	175	140	93	250	388	82	918	136	36	29	27
26	105	166	109	98	238	339	79	240	132	36	30	25
27	93	253	146	106	230	293	73	454	136	34	31	25
28	140	1130	139	157	197	250	74	6000	1350	33	536	23
29	123	473	131	105	---	228	68	1730	625	31	103	21
30	95	302	123	93	---	208	62	499	862	31	48	21
31	900	---	148	81	---	193	---	296	---	30	39	---
TOTAL	4219	12855	8946	3524	12498	23157	3593	13255	58281	3405	3068	1196
MEAN	136	429	289	114	446	747	120	428	1943	110	99.0	39.9
MAX	900	2790	1570	184	4200	9640	181	6000	15400	1030	567	230
MIN	36	73	109	81	85	122	62	49	100	30	24	21
CFSM	.26	.82	.55	.22	.85	1.42	.23	.81	3.69	.21	.19	.08
IN.	.30	.91	.63	.25	.88	1.64	.25	.94	4.12	.24	.22	.08

CAL YR 1985	TOTAL	201308	MEAN	552	MAX	13700	MIN	28	CFSM	1.05	IN	14.24
WTR YR 1986	TOTAL	147997	MEAN	405	MAX	15400	MIN	21	CFSM	.77	IN	10.47

07274000 YOCONA RIVER NEAR OXFORD, MS

LOCATION.--Lat 34°16'23", long 89°31'11", in SE¼NW¼ sec.28, T.9 S., R.3 W., Chickasaw Meridian, Lafayette County, Hydrologic Unit 08030203, near left bank on downstream 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: June 8-23. Records fair.

AVERAGE DISCHARGE.--40 years, 392 ft³/s, 20.32 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)
June 6	1830	*5,560	*21.61				

Minimum discharge, 10.0 ft³/s, Sept. 6; gage height, 2.14 ft.

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	385	215	392	88	53	97	106	43	264	102	12	16
2	132	134	394	79	51	94	101	45	198	112	14	16
3	77	104	241	74	50	92	99	40	170	97	15	16
4	59	86	171	70	51	88	99	37	352	70	15	21
5	48	73	154	68	64	84	96	35	597	53	14	42
6	44	65	136	63	100	82	94	36	3540	43	14	23
7	40	59	119	62	93	79	88	37	4650	36	15	19
8	37	53	111	58	71	76	273	30	2800	32	44	17
9	34	48	107	57	79	76	182	27	1300	29	33	16
10	34	45	98	57	86	79	107	167	1350	26	19	15
11	32	47	153	55	92	77	87	917	2200	22	18	17
12	35	50	280	57	83	433	81	659	880	22	39	17
13	34	47	336	58	78	919	75	276	530	21	28	17
14	39	44	275	56	180	544	71	142	340	21	18	13
15	91	46	188	53	355	291	66	102	245	21	16	15
16	70	744	152	53	227	213	59	81	190	20	20	13
17	60	853	132	52	453	183	55	69	155	19	26	13
18	47	589	119	53	1030	657	54	68	129	26	21	16
19	47	290	106	66	716	2090	67	67	109	25	18	21
20	120	189	104	64	736	1240	113	58	94	20	17	16
21	131	146	103	61	393	780	97	52	79	21	16	18
22	76	123	101	58	222	412	66	58	69	14	15	15
23	199	108	103	56	182	310	56	62	61	12	15	18
24	165	100	101	54	163	255	54	65	54	13	15	15
25	94	101	90	53	138	216	59	96	49	14	15	14
26	70	103	80	57	126	186	49	81	54	13	15	14
27	66	165	77	56	118	171	43	157	47	14	23	13
28	86	264	77	63	106	145	43	2980	112	13	50	13
29	87	305	79	60	---	129	41	1660	337	13	20	12
30	76	193	76	54	---	122	38	867	211	13	18	12
31	205	---	86	53	---	111	---	461	---	13	17	---
TOTAL	2720	5389	4741	1868	6096	10331	2519	9475	21166	970	635	503
MEAN	87.7	180	153	60.3	218	333	84.0	306	706	31.3	20.5	16.8
MAX	385	853	394	88	1030	2090	273	2980	4650	112	50	42
MIN	32	44	76	52	50	76	38	27	47	12	12	12
CFSM	.34	.69	.58	.23	.83	1.27	.32	1.17	2.70	.12	.08	.06
IN.	.39	.77	.67	.27	.87	1.47	.36	1.35	3.01	.14	.09	.07

CAL YR 1985	TOTAL	103576	MEAN 284	MAX 3780	MIN 24	CFSM 1.08	IN 14.71
WTR YR 1986	TOTAL	66413	MEAN 182	MAX 4650	MIN 12	CFSM .70	IN 9.43

YAZOO RIVER BASIN

07280340 SOUTH FORK TILLATOBA CREEK NEAR CHARLESTON, MS

LOCATION.--Lat 33°58'42", long 89°58'45", in NE¼ sec.4, T.24 N., R.3 E., Choctaw Meridian, Tallahatchie County, Hydrologic Unit 08030202, on left bank, 80 ft downstream from left end of bridge on county road, 1.9 mi south of intersection of county road and Mississippi Highway 32, 4.8 mi west of Tillatoba and 4.8 mi east-southeast of Charleston.

DRAINAGE AREA.--53.9 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 189.37 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Dec. 24 to Jan. 15. Records fair.

AVERAGE DISCHARGE.--11 years, 86.0 ft³/s, 21.67 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,900 ft³/s, Dec. 26, 1982, gage height, 23.96 ft; minimum daily, 1.4 ft³/s, Sept. 25, 26, 1981.

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)
Mar. 12	2000	1,300	8.03	June 6	0730	2,600	11.29
Mar. 18	2230	1,260	7.91	June 7	1400	1,420	8.35
June 4	2115	*5,170	*17.80	June 28	0500	2,540	11.15
June 5	1615	3,380	13.25				

Minimum daily discharge, 1.9 ft³/s, Aug. 24.

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	32	166	98	11	8.6	10	14	9.2	8.6	16	3.9	7.2
2	9.3	42	54	11	9.1	22	14	9.9	8.2	33	4.4	7.0
3	6.2	27	27	11	9.4	11	14	8.1	7.4	30	4.2	7.7
4	4.9	20	23	11	9.7	9.9	13	7.7	1790	15	3.8	6.0
5	4.1	16	21	9.9	11	9.7	13	17	1790	8.6	4.6	6.6
6	3.8	15	18	10	13	10	12	13	1140	7.7	3.4	5.8
7	3.8	14	15	9.6	13	9.4	12	9.7	482	7.5	3.5	5.3
8	3.9	14	15	9.3	10	9.2	222	8.5	189	6.7	4.6	4.7
9	4.0	13	15	9.3	11	10	55	8.0	130	6.4	3.7	5.1
10	4.1	13	15	8.6	13	11	28	19	112	6.0	4.3	5.0
11	4.4	13	292	9.3	15	9.7	20	424	479	6.8	3.3	4.5
12	4.3	13	182	8.6	12	367	19	69	120	6.7	3.0	7.0
13	4.5	13	147	8.3	11	291	19	33	46	6.5	3.9	5.1
14	4.7	12	55	8.3	27	74	14	17	28	6.1	3.0	4.2
15	11	12	34	8.6	44	42	13	12	21	5.9	3.2	4.0
16	7.1	185	27	8.1	24	43	11	9.0	17	5.9	3.8	5.0
17	6.1	56	22	7.8	53	27	11	7.8	14	5.8	3.8	4.1
18	5.6	33	18	8.0	82	265	11	8.3	12	7.3	2.9	18
19	5.8	23	15	11	36	404	10	7.6	12	26	4.0	8.0
20	56	18	15	9.5	25	79	30	6.3	12	7.9	3.0	4.8
21	21	15	14	9.1	20	45	19	5.8	11	6.3	2.7	41
22	9.6	14	15	8.4	16	31	14	5.5	10	5.5	2.6	18
23	9.5	13	14	7.8	15	26	12	5.6	9.5	4.8	2.1	5.7
24	10	14	14	7.9	15	26	11	5.7	9.4	4.5	1.9	4.4
25	9.0	18	12	8.4	13	23	11	5.8	8.9	4.5	2.0	4.0
26	8.3	17	12	8.6	13	20	11	6.7	8.3	4.5	3.2	3.8
27	11	44	12	7.6	12	19	10	37	8.2	4.4	41	3.7
28	25	108	11	8.0	11	16	11	68	1000	4.5	69	3.6
29	18	38	10	8.4	---	16	10	27	99	4.2	11	9.6
30	75	26	10	8.1	---	15	8.7	14	25	4.3	8.2	7.3
31	148	---	14	8.3	---	14	---	9.8	---	3.9	8.5	---
TOTAL	530.0	1025	1246	278.8	551.8	1964.9	672.7	895.0	7607.5	273.2	226.5	226.2
MEAN	17.1	34.2	40.2	8.99	19.7	63.4	22.4	28.9	254	8.81	7.31	7.54
MAX	148	185	292	11	82	404	222	424	1790	33	69	41
MIN	3.8	12	10	7.6	8.6	9.2	8.7	5.5	7.4	3.9	1.9	3.6
CFSM	.32	.64	.75	.17	.37	1.18	.42	.54	4.71	.16	.14	.14
IN.	.37	.71	.86	.19	.38	1.36	.46	.62	5.25	.19	.16	.16
CAL YR 1985	TOTAL	19800.7	MEAN	54.2	MAX	1430	MIN	3.8	CFSM	1.01	IN	13.67
WTR YR 1986	TOTAL	15497.6	MEAN	42.5	MAX	1790	MIN	1.9	CFSM	.79	IN	10.70

07282000 YALOBUSHA RIVER AT CALHOUN CITY, MS

LOCATION.--Lat 33°50'20", long 89°18'55", in SE¼SE¼ sec.23, T.23 N., R.9 E., Choctaw Meridian, Calhoun County, Hydrologic Unit 08030205, 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: Aug. 12, 13, 19-27, Aug.30 to Sept. 5, and Sept. 7-30. Records fair. Discharge computed by combining the flow of individually rated Yalobusha River and Topashaw Creek Canal. Channel rectification of both Yalobusha River and Topashaw Creek was completed in 1967. U. S. Army Corps of Engineers satellite telemeter at station.

AVERAGE DISCHARGE.--36 years, 411 ft³/s, 18.30 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)
Mar. 19	0215	*8,220	*17.76	June 6	1800	(a)	*18.89

(a) Discharge below base discharge.

Minimum daily discharge, 1.07 ft³/s, Sept. 4.

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	3.0	107	58	50	11	19	28	5.8	14	168	19	.98
2	3.4	38	113	41	10	18	25	5.5	9.7	63	11	.96
3	3.2	20	53	34	11	18	23	4.9	8.1	42	8.3	1.2
4	2.4	15	32	30	13	19	22	4.4	205	22	7.8	1.3
5	2.1	11	25	27	33	17	20	4.3	1100	15	7.6	1.6
6	1.8	8.5	24	26	48	16	20	4.3	2850	13	6.6	11
7	1.5	7.2	20	20	38	15	18	4.1	1920	12	6.0	3.0
8	1.2	6.6	19	21	29	14	33	4.0	1330	11	6.5	2.0
9	1.6	6.1	17	22	26	14	39	4.0	539	11	22	1.5
10	1.4	5.5	15	23	25	15	23	5.6	124	10	234	1.1
11	1.3	5.5	389	19	31	14	17	26	114	11	38	.98
12	1.2	5.5	1120	17	25	236	16	80	162	13	9.8	2.6
13	1.1	5.8	1180	15	19	1080	16	36	73	11	4.1	3.7
14	1.6	5.9	459	14	25	361	14	17	40	12	3.1	1.7
15	11	5.3	144	14	86	129	14	9.5	26	12	2.6	1.2
16	13	35	94	14	73	88	12	7.3	20	8.8	3.2	.82
17	6.0	62	75	14	89	63	10	6.4	20	7.8	3.3	.55
18	3.3	32	59	16	616	301	9.8	7.9	16	7.2	3.2	4.6
19	2.4	17	49	23	332	3560	10	25	14	7.2	2.5	2.6
20	2.3	13	45	27	105	1040	14	14	13	6.8	1.8	1.2
21	2.0	11	42	23	70	369	17	8.8	13	6.4	1.5	.85
22	2.2	9.8	37	19	51	142	13	6.6	12	6.9	1.2	.74
23	18	10	36	17	42	104	10	5.7	11	6.0	1.1	.63
24	67	9.3	34	15	37	81	9.3	5.3	10	5.5	.78	.62
25	42	8.3	32	16	30	68	8.9	5.9	12	5.1	.76	.65
26	14	8.4	29	22	27	59	8.5	22	11	4.9	.98	1.1
27	7.8	11	26	21	28	52	7.6	103	9.5	4.1	6.4	.52
28	38	36	27	19	25	46	7.1	172	861	3.5	3.3	.41
29	39	23	28	17	---	41	6.4	166	578	3.1	3.3	.35
30	21	14	26	14	---	38	6.2	55	193	2.7	1.7	.32
31	140	---	33	13	---	32	---	25	---	37	1.2	---
TOTAL	455.8	552.7	4340	663	1955	8069	477.8	851.3	10308.3	549.0	422.62	50.78
MEAN	14.7	18.4	140	21.4	69.8	260	15.9	27.5	344	17.7	13.6	1.69
MAX	140	107	1180	50	616	3560	39	172	2850	168	234	11
MIN	1.1	5.3	15	13	10	14	6.2	4.0	8.1	2.7	.76	.32
CFSM	.05	.06	.46	.07	.23	.85	.05	.09	1.13	.06	.05	.006
IN.	.06	.07	.53	.08	.24	.98	.06	.10	1.26	.07	.05	.01
CAL YR 1985	TOTAL	64034.00	MEAN	175	MAX	6230	MIN	1.1	CFSM	.57	IN	7.81
WTR YR 1986	TOTAL	28695.30	MEAN	78.6	MAX	3560	MIN	.32	CFSM	.26	IN	3.50

YAZOO RIVER BASIN

07283000 SKUNA RIVER AT BRUCE, MS

LOCATION.--Lat 33°58'25", long 89°20'50", in SW1SW1 sec.6, T.13 S., R.1 W., Chickasaw Meridian, Calhoun County, Hydrologic Unit 08030205, on left (revised) 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 228.75 ft above National Geodetic Vertical Datum of 1929 (levels U. S. Army Corps of Engineers). Prior to Jan. 1, 1972, at datum 10.00 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: Nov. 1 to Dec. 4, Jan. 8-17, May 4-21, and July 27 to Aug. 13. Records good except for estimated daily discharges, which are poor. U. S. Army Corps of Engineers satellite telemeter at station.

AVERAGE DISCHARGE.--39 years, 368 ft³/s, 19.68 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)
Feb. 18	0315	8,240	17.05	June 6	1745	*32,400	*27.66
Mar. 19	0330	9,620	17.91	June 28	1630	6,360	15.73

Minimum daily discharge, 3.6 ft³/s, Sept. 25.

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	34	105	325	30	15	34	43	14	27	62	6.5	5.0
2	17	58	160	26	15	33	40	14	22	75	6.5	5.0
3	11	45	90	26	15	33	38	13	23	92	5.8	5.0
4	9.9	41	58	24	18	31	34	13	153	49	5.5	25
5	8.5	30	46	23	26	30	34	12	484	36	5.2	11
6	7.3	23	42	21	23	29	34	11	15700	29	5.2	8.8
7	7.3	20	37	21	20	28	32	11	6660	26	6.0	7.4
8	7.1	18	35	19	18	27	38	10	1750	23	12	6.4
9	7.0	16	33	19	19	26	42	13	332	21	13	6.2
10	7.0	16	32	18	20	24	33	35	735	19	20	5.7
11	7.0	18	113	17	28	23	28	155	252	19	9.0	5.6
12	6.9	16	334	17	26	331	26	94	238	18	6.0	11
13	6.7	15	475	16	23	1180	25	40	84	17	5.2	9.7
14	8.4	14	157	16	64	225	24	24	52	16	4.8	7.4
15	40	15	72	16	210	368	23	19	39	15	4.9	6.3
16	28	575	55	16	73	108	21	16	31	14	5.8	5.6
17	18	250	47	16	1020	67	19	13	26	12	6.5	5.5
18	15	160	40	16	4250	381	19	13	21	11	5.2	5.4
19	14	120	34	24	450	4430	19	26	18	10	4.6	8.4
20	35	90	33	21	190	417	29	20	16	9.3	4.2	8.4
21	68	66	32	19	113	175	30	15	14	8.6	4.1	6.8
22	40	54	32	17	80	113	23	13	12	7.8	4.0	7.1
23	34	46	32	16	67	93	20	13	11	7.3	3.9	6.4
24	52	41	31	17	58	79	19	13	9.8	7.0	3.9	6.2
25	40	38	27	18	52	69	18	12	31	6.6	3.6	6.2
26	28	36	22	18	48	63	18	30	13	6.5	5.1	5.7
27	28	48	24	17	45	57	16	97	9.8	6.8	8.4	5.4
28	42	86	25	15	39	52	16	552	2670	7.2	11	5.1
29	40	240	24	15	---	49	14	170	495	6.8	7.2	5.0
30	43	68	23	15	---	46	14	54	89	6.2	5.7	4.8
31	173	---	29	14	---	43	---	34	---	6.5	5.2	---
TOTAL	883.1	2368	2519	583	7025	8664	789	1569	30017.6	650.6	204.0	217.5
MEAN	28.5	78.9	81.3	18.8	251	279	26.3	50.6	1001	21.0	6.58	7.25
MAX	173	575	475	30	4250	4430	43	552	15700	92	20	25
MIN	6.7	14	22	14	15	23	14	10	9.8	6.2	3.6	4.8
CFSM	.11	.31	.32	.07	.99	1.10	.10	.20	3.94	.08	.03	.03
IN.	.13	.35	.37	.09	1.03	1.27	.12	.23	4.40	.10	.03	.03

CAL YR 1985	TOTAL	79530.2	MEAN 218	MAX 7540	MIN 6.7	CFSM .86	IN 11.65
WTR YR 1986	TOTAL	55489.8	MEAN 152	MAX 15700	MIN 3.6	CFSM .60	IN 8.13

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS
(National stream-quality accounting network station)

LOCATION.--Lat 33 23 48 , long 90 16 19 , in NW sec. 26, T.18 N., R.1 W., Choctaw Meridian, Leflore County, Hydrologic Unit 08030206, on downstream side of Poindexter Bridge on county road at Philipstown, 1.8 mi east of Shell Bluff, 2.5 mi east of intersection of county road and State Highway 7, 4.8 mi east of Morgan City, and at mile 149.8.

DRAINAGE AREA.--7,650 mi², approximately.

PERIOD OF RECORD.--Water years 1975 to September 1986 (discontinued).

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1975 to August 1981.

WATER TEMPERATURE: October 1975 to August 1981.

REMARKS.--Prior to July 27, 1979, daily values of specific conductance listed as 50 microsiemens represent 50 microsiemens or less due to instrument limitations. After July 27, 1979, and prior to June 5, 1980, daily values of specific conductance listed as 30 microsiemens represent 30 microsiemens or less due to instrument limitations. Stage-discharge relation based on intermittent discharge measurements furnished by Corps of Engineers.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
NOV										
06...	1300	8600	94	7.20	15.0	23	7.6	76	K2500	940
FEB										
21...	1130	2600	124	7.10	14.0	61	6.3	61	K400	K120
MAY										
21...	1100	2500	152	7.40	22.0	50	6.8	78	860	K81
AUG										
26...	1000	4500	101	7.20	29.5	45	6.0	78	K7700	K110

DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS NONCARB MG/L AS CACO3	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE IT-FLD (MG/L AS HCO3)
NOV									
06...	31	2	7.9	2.8	5.0	24	0.4	2.8	36
FEB									
21...	44	4	11	3.9	7.4	26	0.5	2.2	49
MAY									
21...	54	0	14	4.7	7.1	21	0.4	3.1	66
AUG									
26...	36	2	9.7	2.8	5.1	22	0.4	2.4	42

YAZOO RIVER BASIN

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ALKA- LINITY, CARBON- ATE IT-FLD (MG/L - CAC03)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)
NOV 06...	29	9.2	5.0	0.1	6.2	56	57	0.08	1300
FEB 21...	40	9.8	5.9	<0.1	9.0	76	74	0.1	534
MAY 21...	54	9.6	5.6	0.1	9.6	98	86	0.13	661
AUG 26...	34	8.6	4.1	<0.1	7.3	84	61	0.11	1020

DATE	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, DIS- SOLVED TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 06...	0.27	0.05	0.5	0.09	0.04	0.02	232	5390	86
FEB 21...	0.28	0.06	0.9	0.13	0.02	0.01	140	983	99
MAY 21...	0.74	0.03	0.8	0.18	0.04	0.02	270	1820	97
AUG 26...	<0.10	<0.01	0.5	0.15	0.04	0.02	244	2960	97

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
NOV 06...	210	1	31	<0.5	<1	<1	<3	1	110	<1
FEB 21...	60	<1	41	<0.5	<1	2	<3	2	63	4
AUG 26...	<10	1	37	<0.5	<1	<1	<3	3	4	<5

DATE	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
NOV 06...	<4	6	0.3	<10	1	<1	1	57	<6	22
FEB 21...	<4	58	0.2	<10	2	<1	<1	71	<6	3
AUG 26...	<4	3	0.1	<10	1	<1	<1	66	<6	19

YAZOO RIVER BASIN

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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 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
NOV										
05...	1230	14700	126	7.10	16.0	73	7.9	80	K1600	940
JAN										
15...	1230	3220	184	7.60	8.5	42	10.2	--	--	--
APR										
10...	1200	3370	211	7.80	22.0	29	7.5	86	580	K100
MAY										
14...	1200	--	277	7.60	26.0	180	3.5	43	3700	K12000
JUL										
16...	1200	3430	153	7.30	30.0	78	6.8	89	4900	1800
SEP										
17...	1000	8910	105	7.20	27.0	65	5.4	68	780	K140

DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS NONCARB MG/L AS CACO3	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE IT-FLD (MG/L AS HCO3)
NOV									
05...	44	0	11	4.0	6.4	22	0.4	4.8	48
JAN									
15...	71	0	18	6.2	10	22	0.5	3.6	109
APR									
10...	73	0	18	6.8	13	27	0.7	3.1	101
MAY									
14...	94	0	25	7.6	18	29	0.8	3.4	139
JUL									
16...	50	0	13	4.3	7.2	22	0.5	3.2	66
SEP									
17...	35	2	9.2	2.9	6.2	26	0.5	2.6	40

YAZOO RIVER BASIN

07288800 YAZOO RIVER AT REDWOOD, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ALKA- LINITY, CARBON- ATE IT-FLD (MG/L - CAC03)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)
NOV 05...	59	13	5.8	0.1	9.0	80	78	0.11	3180
JAN 15...	90	11	8.7	0.1	11	110	120	0.15	956
APR 10...	83	12	11	0.1	2.3	118	120	0.16	1070
MAY 14...	114	12	20	0.2	7.7	156	170	0.21	--
JUL 16...	54	9.3	5.3	0.2	7.4	79	83	0.11	732
SEP 17...	33	10	5.5	0.1	6.2	86	63	0.12	2070

DATE	NITRO- GEN, NO2+N03 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 05...	0.48	0.17	1.0	0.27	0.10	0.08	117	4640	90
JAN 15...	0.21	0.09	0.9	0.17	0.02	0.01	46	400	88
APR 10...	0.14	--	0.7	0.11	0.04	0.03	47	428	91
MAY 14...	0.64	0.19	1.1	0.38	0.06	0.05	190	--	98
JUL 16...	0.48	0.02	0.8	0.18	0.04	0.04	61	565	96
SEP 17...	0.23	0.06	0.5	0.12	0.04	0.01	118	2840	97

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
JAN 15...	40	1	62	<0.5	5	<1	<3	4	42	<1
APR 10...	30	1	68	<0.5	1	<1	<3	4	18	<1
SEP 17...	130	2	45	<0.5	1	<1	<3	4	230	<5

DATE	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
JAN 15...	<4	190	0.1	<10	2	<1	<1	110	<6	23
APR 10...	<4	63	<0.1	<10	1	<1	<1	110	<6	<3
SEP 17...	<4	95	<0.1	<10	2	<1	<1	60	<6	10

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 current year. Prior to July 1931, monthly discharge only, published in WSP 1311.

Gage heights: April 1930 to September 1977 in reports of Geological Survey. Since December 1871, referred to canal gages (above 30.0 ft or 9.14 m only, since December 1949), September 1934 to December 1964, referred to bridge gage, in reports of Mississippi River Commission. January 1937 to December 1967, referred to bridge gage; January 1968 to December 1976, referred to gage 1.1 mi upstream and since January 1977 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 satellite telemeter at station.

COOPERATION.--Records of gage-height and daily discharge furnished by U. S. Army Corps of Engineers.

AVERAGE DISCHARGE FOR WATER YEAR 1986.--58 years, 584,000 ft³/s, 423,381,000 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).

EXTREMES FOR WATER YEAR 1986.--Maximum daily discharge, 1,312,000 ft³/s, Dec. 14; maximum gage height, 38.70 ft, Dec. 16-18; minimum daily discharge, 263,000 ft³/s, Sept. 9; minimum gage height, 6.00 ft, Sept. 18.

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued
(National stream-quality accounting network station)

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	288000	614000	1200000	762000	528000	825000	874000	601000	887000	480000	457000	295000
2	298000	605000	1240000	709000	539000	817000	833000	595000	886000	452000	439000	287000
3	305000	592000	1250000	650000	544000	804000	770000	585000	872000	436000	417000	285000
4	312000	579000	1270000	610000	540000	798000	708000	578000	856000	428000	408000	283000
5	311000	568000	1280000	578000	525000	786000	676000	566000	839000	420000	392000	282000
6	310000	550000	1290000	543000	500000	762000	651000	552000	812000	422000	380000	278000
7	312000	540000	1280000	537000	482000	736000	633000	534000	791000	427000	373000	272000
8	321000	532000	1270000	522000	501000	710000	632000	525000	773000	438000	364000	267000
9	331000	532000	1280000	511000	595000	676000	629000	515000	756000	451000	358000	263000
10	339000	535000	1280000	500000	728000	642000	625000	506000	745000	480000	350000	268000
11	347000	547000	1290000	490000	759000	601000	623000	497000	748000	507000	343000	275000
12	349000	553000	1300000	481000	801000	580000	624000	490000	753000	528000	339000	286000
13	350000	570000	1310000	474000	855000	565000	628000	489000	771000	530000	337000	289000
14	354000	590000	1310000	452000	902000	560000	632000	489000	789000	522000	335000	292000
15	359000	618000	1310000	440000	948000	569000	639000	491000	807000	519000	334000	294000
16	365000	650000	1310000	428000	975000	588000	642000	500000	823000	523000	329000	289000
17	372000	680000	1300000	416000	982000	620000	646000	508000	817000	545000	322000	285000
18	379000	722000	1290000	409000	976000	661000	648000	520000	798000	585000	318000	279000
19	425000	762000	1270000	403000	966000	702000	639000	531000	775000	625000	312000	274000
20	475000	820000	1230000	400000	952000	736000	615000	550000	733000	650000	310000	278000
21	502000	875000	1210000	398000	941000	779000	604000	565000	720000	675000	309000	285000
22	510000	916000	1180000	392000	929000	825000	609000	585000	706000	681000	308000	293000
23	519000	998000	1120000	389000	916000	873000	622000	615000	693000	670000	310000	302000
24	526000	1040000	1090000	387000	908000	907000	633000	652000	676000	658000	315000	312000
25	536000	1060000	1050000	389000	896000	919000	639000	682000	635000	646000	320000	324000
26	560000	1090000	1010000	394000	879000	928000	636000	710000	598000	610000	321000	335000
27	585000	1110000	962000	403000	858000	927000	630000	764000	564000	575000	319000	345000
28	609000	1130000	925000	422000	845000	921000	621000	798000	540000	544000	315000	362000
29	625000	1140000	875000	452000	---	917000	612000	830000	520000	520000	313000	387000
30	631000	1170000	832000	485000	---	911000	608000	873000	500000	500000	309000	429000
31	629000	---	790000	515000	---	902000	---	888000	---	478000	300000	---
TOTAL	13134000	22688000	36604000	14941000	21770000	23547000	19581000	18584000	22183000	16525000	10656000	8995000
MEAN	423700	756300	1181000	482000	777500	759600	652700	599500	739400	533100	343700	299800
MAX	631000	1170000	1310000	762000	982000	928000	874000	888000	887000	681000	457000	429000
MIN	288000	532000	790000	387000	482000	560000	604000	489000	500000	420000	300000	263000
CFSM	.37	.66	1.04	.42	.68	.67	.57	.53	.65	.47	.30	.26
IN.	.43	.74	1.19	.49	.71	.77	.64	.61	.72	.54	.35	.29
CAL YR 1985	TOTAL	265738000	MEAN	728000	MAX	1430000	MIN	200000	CFSM	.64	IN	8.67
WTR YR 1986	TOTAL	229208000	MEAN	628000	MAX	1310000	MIN	263000	CFSM	.55	IN	7.48

MISSISSIPPI RIVER MAIN STEM

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07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued
(National stream-quality accounting network station)

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.40	21.70	36.80	25.80	15.90	27.70	29.50	22.30	29.80	16.40	15.20	8.10
2	7.70	21.20	37.30	24.40	16.50	27.50	28.80	22.10	29.80	15.60	14.80	7.50
3	8.00	20.90	37.60	23.00	16.50	27.30	27.80	21.80	29.50	15.00	14.00	7.20
4	8.30	20.60	37.80	21.80	16.10	26.90	26.40	21.30	29.20	14.50	13.30	7.20
5	8.50	20.50	37.90	20.40	15.50	26.50	25.10	20.70	28.80	14.30	12.60	7.30
6	8.70	20.00	38.00	19.30	15.40	26.10	23.90	20.00	28.30	14.10	12.20	7.40
7	8.90	19.50	38.00	18.00	15.50	25.40	23.10	19.10	27.80	13.90	11.80	7.00
8	9.20	18.90	38.00	17.10	16.50	24.70	22.80	18.50	27.40	14.30	11.20	6.70
9	9.50	18.70	38.10	16.40	19.00	23.90	22.50	18.30	27.20	14.90	10.90	6.30
10	10.00	19.00	38.00	16.00	22.00	22.80	22.50	18.30	27.00	15.80	10.50	6.40
11	10.40	19.10	38.10	15.70	24.40	21.60	22.50	18.30	27.00	16.90	10.40	6.60
12	10.90	19.40	38.30	15.40	26.30	20.50	22.60	18.20	27.10	17.70	9.90	7.30
13	11.10	19.80	38.50	15.00	27.40	19.70	22.70	18.40	27.30	17.80	9.50	7.80
14	11.00	20.30	38.60	14.50	28.20	19.00	22.80	18.70	27.60	17.80	9.60	8.00
15	10.90	20.80	38.60	14.10	28.90	19.00	22.90	18.80	28.00	17.50	9.70	7.60
16	10.90	21.80	38.70	13.60	29.40	19.40	23.00	18.60	28.40	17.40	9.40	7.00
17	11.00	22.90	38.70	13.20	29.60	19.90	23.00	18.60	28.60	18.00	9.20	6.30
18	11.80	24.00	38.70	12.80	29.90	20.80	23.00	18.90	28.30	19.10	8.90	6.00
19	13.60	25.20	38.40	12.40	29.90	22.70	22.80	19.30	27.70	20.30	8.80	6.40
20	15.50	26.50	38.10	11.90	29.90	24.50	22.30	20.90	26.90	21.30	8.50	6.60
21	16.90	27.80	37.60	11.60	29.80	26.00	21.90	22.70	26.00	22.00	8.50	6.90
22	18.30	29.20	37.10	11.30	29.40	27.30	21.50	24.20	25.20	22.60	8.50	7.40
23	19.00	30.80	36.30	11.00	29.00	28.40	21.50	25.20	24.50	22.90	8.60	8.00
24	19.60	32.00	35.60	10.70	28.60	29.20	22.00	25.50	23.50	22.90	8.70	8.60
25	20.00	32.90	34.70	10.70	28.20	29.70	22.50	25.70	22.50	22.60	9.10	9.20
26	20.30	33.60	33.80	10.70	27.80	29.80	22.50	26.20	21.50	21.90	9.40	9.50
27	20.90	34.20	32.90	11.00	27.80	29.90	22.50	26.80	20.50	20.80	9.50	9.60
28	21.40	35.00	31.80	11.70	27.80	30.30	22.50	27.70	19.50	19.20	9.70	9.90
29	22.10	35.40	30.30	12.80	---	30.50	22.50	28.50	18.50	18.10	9.60	11.00
30	22.40	35.90	28.90	14.00	---	30.50	22.40	29.20	17.50	17.00	9.00	12.30
31	22.10	---	27.30	15.20	---	30.10	---	29.70	---	15.80	8.90	---
MEAN	13.75	24.92	36.40	15.21	24.33	25.41	23.39	22.02	26.03	18.01	10.32	7.77
MAX	22.40	35.90	38.70	25.80	29.90	30.50	29.50	29.70	29.80	22.90	15.20	12.30
MIN	7.40	18.70	27.30	10.70	15.40	19.00	21.50	18.20	17.50	13.90	8.50	6.00
WTR YR 1986	MEAN	20.60	MAX	38.70	MIN	6.00						

MISSISSIPPI RIVER MAIN STEM

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: Maximum, 595 microsiemens Aug. 10, 1986; minimum, 207 microsiemens Nov. 19, 1983.

WATER TEMPERATURE: Maximum, 31.0 C July 14-15, Aug. 8-17, 1977, July 20-28, 1981, July 19-20, 1985, July 29-Aug. 3, 1986; minimum, 0.0 C Jan. 15-27, Feb. 1-2, 1977.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 568 microsiemens Oct. 21, 1981; minimum, 200 microsiemens Dec. 17, 19-20, 1977, Dec. 21, 1982.

WATER TEMPERATURE: Maximum, 32.5 C Aug. 4, 1982; minimum, 1.5 C Jan. 18, 1982.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 595 microsiemens Aug. 10; minimum, 293 microsiemens Dec. 13-14.

WATER TEMPERATURE: Maximum, 31.0 C July 29-Aug. 3; minimum, 3.0 C Dec. 25-Jan. 3, Jan. 9-11.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED SATUR- ATION	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
NOV										
05...	1630	568000	431	7.80	15.5	57	8.3	83	K6900	9600
JAN										
15...	1400	450000	425	8.10	4.0	27	9.7	--	--	--
APR										
10...	1300	624000	417	8.00	16.5	85	8.1	83	3600	K1700
JUL										
16...	1400	550000	530	8.10	29.5	60	7.2	94	3000	1900

DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS NONCARB MG/L AS CACO3	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE IT-FLD (MG/L AS HCO3)
NOV									
05...	150	47	39	12	28	29	1	3.9	122
JAN									
15...	180	41	46	15	17	17	0.6	3.1	166
APR									
10...	160	44	43	13	19	20	0.7	3.4	143
JUL									
16...	210	77	53	18	24	20	0.8	4.0	159

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ALKA- LITY, CARBON- ATE IT-FLD (MG/L - CAC03)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)
NOV 05...	100	50	38	0.2	7.8	249	240	0.34	382000
JAN 15...	136	47	23	0.2	8.9	248	250	0.34	301000
APR 10...	117	45	28	0.2	7.5	239	240	0.33	403000
JUL 16...	130	89	22	0.4	7.0	299	300	0.41	444000

DATE	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	SEDI- MENT, DIS- SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 05...	1.20	0.04	0.7	0.21	0.09	0.07	168	258000	84
JAN 15...	1.70	0.13	0.6	0.13	0.05	0.05	--	--	--
APR 10...	2.70	0.03	1.1	0.18	0.07	0.06	241	406000	82
JUL 16...	2.20	0.03	0.7	0.20	0.10	0.09	--	--	--

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
NOV 05...	10	2	76	<0.5	<1	<1	<3	3	16	1
JAN 15...	30	1	70	<0.5	2	<1	<3	4	35	<1
JUL 16...	10	2	84	<0.5	<1	<1	<3	1	4	<5

DATE	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
NOV 05...	10	10	0.1	<10	3	<1	<1	200	<6	13
JAN 15...	8	23	<0.1	<10	1	<1	<1	190	<6	11
JUL 16...	15	9	<0.1	<10	1	1	<1	240	<6	27

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

SPECIFIC CONDUCTANCE, MICRO SIEMENS PER CENTIMETER AT 25 DEG. C, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	495	490	494	417	412	415	298	295	297	371	362	367
2	496	490	494	416	413	414	298	296	297	374	369	372
3	491	476	483	420	416	418	302	298	300	377	372	375
4	477	468	472	425	420	422	307	301	304	383	378	381
5	469	465	466	431	425	428	312	307	310	388	383	385
6	462	455	458	430	419	426	312	311	312	394	388	391
7	455	442	450	419	402	409	315	311	313	398	394	396
8	448	439	440	402	401	401	323	316	319	401	398	399
9	435	420	427	408	401	404	327	322	325	408	402	405
10	424	417	420	413	409	411	325	316	321	413	409	411
11	405	396	400	422	413	417	316	307	311	418	414	416
12	397	388	393	425	423	424	306	299	302	424	419	421
13	381	369	374	423	419	421	298	293	295	427	425	426
14	---	---	---	419	413	417	296	293	295	429	427	428
15	---	---	---	414	408	411	300	295	297	429	426	428
16	347	332	338	431	408	418	309	300	303	434	430	432
17	333	330	331	461	434	449	321	309	314	440	435	437
18	351	334	341	482	462	473	334	321	328	443	440	442
19	370	351	361	489	481	485	339	332	337	448	444	446
20	388	371	380	489	475	483	336	326	331	456	449	453
21	402	388	396	474	439	457	326	317	321	460	457	459
22	404	388	400	438	429	431	319	312	315	463	460	461
23	385	347	365	432	418	428	315	311	313	461	459	460
24	347	341	345	416	371	393	321	314	317	---	---	---
25	---	---	---	369	342	355	328	321	324	---	---	---
26	---	---	---	341	318	329	329	327	328	---	---	---
27	---	---	---	317	302	310	329	327	328	---	---	---
28	---	---	---	301	297	299	334	329	332	480	433	475
29	---	---	---	302	298	300	341	334	337	484	481	482
30	---	---	---	302	298	300	352	341	346	487	483	485
31	417	416	417	---	---	---	362	352	357	490	484	486
MONTH	---	---	---	489	297	405	362	293	317	490	362	427
	FEBRUARY			MARCH			APRIL			MAY		
1	486	482	484	344	343	344	389	385	387	390	384	387
2	486	477	482	346	342	344	394	388	391	400	392	396
3	477	470	473	346	345	346	399	394	396	410	402	406
4	472	468	471	346	343	345	404	399	401	413	410	412
5	469	463	465	341	335	338	412	404	408	413	407	411
6	476	465	471	336	334	335	420	413	416	413	409	410
7	475	471	473	341	334	337	428	420	424	416	412	414
8	471	467	469	357	341	348	438	429	433	422	419	419
9	477	466	471	374	359	367	449	439	444	428	423	425
10	480	475	479	382	375	379	471	449	459	436	429	433
11	474	436	457	488	382	385	485	471	479	450	437	443
12	434	398	415	394	389	391	488	476	485	471	451	460
13	396	369	381	398	394	396	473	457	461	478	473	477
14	368	364	365	403	397	399	456	451	454	475	462	468
15	368	364	366	411	404	408	452	448	450	464	446	455
16	384	368	375	412	407	410	458	447	454	447	444	445
17	386	371	384	407	398	403	469	456	461	448	446	446
18	377	368	372	409	392	395	471	435	455	457	447	452
19	367	361	364	392	390	391	433	425	428	465	459	463
20	360	352	356	394	390	392	423	421	422	465	457	462
21	351	346	348	395	393	394	427	419	423	459	454	456
22	348	347	348	395	392	393	430	425	428	471	459	467
23	347	344	346	393	388	391	432	429	431	472	444	459
24	346	345	345	388	382	384	437	430	433	443	425	431
25	345	343	344	383	378	382	435	429	433	438	426	432
26	344	341	342	379	360	372	432	405	426	445	439	442
27	345	343	344	371	366	368	400	392	394	446	443	445
28	343	341	342	378	373	377	389	385	387	443	433	438
29	---	---	---	382	380	381	383	382	382	433	416	427
30	---	---	---	382	380	381	390	382	386	415	381	400
31	---	---	---	380	378	379	---	---	---	384	382	382
MONTH	486	341	405	488	334	376	488	382	428	478	381	434

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

SPECIFIC CONDUCTANCE, MICRO SIEMENS PER CENTIMETER AT 25 DEG. C, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	392	385	388	471	462	467	468	433	450	---	---	---
2	404	393	399	474	471	473	495	464	480	---	---	---
3	420	411	416	475	473	474	518	492	505	---	---	---
4	447	425	436	475	472	473	536	514	525	---	---	---
5	444	436	440	484	475	480	550	532	541	---	---	---
6	446	443	445	504	485	494	562	546	554	---	---	---
7	446	440	443	519	506	514	572	557	565	---	---	---
8	440	436	438	518	513	517	589	567	583	---	---	---
9	436	428	433	512	501	506	594	584	589	---	---	---
10	427	424	425	501	499	500	595	589	592	---	---	---
11	425	417	421	499	496	498	592	588	590	---	---	---
12	419	417	418	497	493	495	590	587	589	473	462	472
13	418	415	417	496	492	496	588	585	586	478	472	476
14	417	411	415	506	495	501	586	582	584	480	468	476
15	412	409	411	508	506	507	583	571	578	470	460	465
16	416	410	413	504	490	498	570	566	568	462	448	455
17	416	411	414	489	477	482	570	565	568	469	460	466
18	410	404	407	476	472	474	569	565	567	470	468	469
19	403	400	401	482	472	476	566	564	565	478	470	472
20	400	395	397	475	444	459	562	560	561	496	476	487
21	394	389	392	441	416	429	558	556	557	496	480	489
22	394	389	391	415	391	403	553	551	552	497	488	491
23	405	394	399	389	380	385	551	549	549	515	488	502
24	418	406	412	384	374	376	544	526	538	517	514	516
25	425	418	422	384	378	382	519	501	506	515	500	508
26	431	425	427	378	374	376	518	501	511	508	500	502
27	439	431	435	378	371	373	516	511	514	505	480	495
28	448	440	443	380	374	378	513	508	511	488	441	469
29	456	449	453	391	373	381	507	504	505	449	438	442
30	462	455	459	419	388	404	---	---	---	449	432	439
31	---	---	---	437	416	425	---	---	---	---	---	---
MONTH	462	385	420	519	371	455	595	433	548	---	---	---
YEAR	595	293	423									

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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.--985 mi².

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.--Records good except for estimated daily discharges, Dec. 11-30, which is fair and Dec. 31 to Jan. 8 and July 24-31, which are poor. National Weather Service telemeter at station.

AVERAGE DISCHARGE.--15 years, 1,671 ft³/s, 23.04 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 71,200 ft³/s May 21, 1983, gage height, 26.08 ft; minimum, 21.0 ft³/s, Aug. 27 and Sept. 30, 1986, gage height, 1.14 ft.

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)
Mar. 22	1630	*6,520	*18.28				

Minimum discharge, 21.0 ft³/s, Aug. 27, Sept. 30, gage height, 1.14 ft.

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	51	1630	314	210	179	242	313	96	274	122	30	30
2	54	1640	717	245	172	223	290	94	230	129	29	29
3	57	1380	548	240	164	214	278	91	261	387	33	34
4	57	949	409	210	168	220	262	87	1220	236	47	52
5	56	566	308	200	298	206	241	83	1760	158	43	66
6	52	398	262	192	444	191	228	78	1260	111	38	60
7	47	314	241	187	481	182	236	75	1360	87	34	43
8	43	262	221	182	385	178	235	74	1490	77	30	46
9	40	229	203	179	293	208	235	72	1700	70	29	50
10	38	206	194	175	250	186	241	76	2000	64	38	40
11	38	194	211	170	290	181	220	359	1780	59	47	33
12	37	189	601	167	338	262	207	1370	1150	70	125	30
13	38	181	3160	167	335	1640	203	845	809	77	132	35
14	38	172	3420	162	305	1620	200	472	473	72	91	34
15	52	164	3510	156	429	1600	190	276	298	64	65	42
16	84	669	3750	152	545	1810	173	190	219	58	196	41
17	100	1620	3610	150	550	1480	156	144	184	53	252	34
18	110	1130	2330	152	651	949	143	127	176	50	131	30
19	87	683	1000	158	953	2990	135	260	145	66	68	31
20	68	405	508	164	1020	5490	138	246	118	79	45	39
21	90	292	391	172	763	4740	169	217	103	75	37	29
22	155	238	343	169	539	6100	181	176	94	65	32	30
23	527	210	316	159	420	5190	177	137	86	54	28	30
24	1330	192	297	151	361	3540	155	113	81	46	26	57
25	913	182	278	155	320	2110	138	121	92	43	24	47
26	656	180	254	222	292	812	126	473	119	39	22	36
27	454	180	237	254	276	557	117	1140	119	38	27	29
28	955	199	226	250	261	471	111	715	94	37	110	25
29	1130	224	215	213	---	412	106	709	78	35	92	23
30	1220	225	215	189	---	368	100	515	105	33	45	22
31	1340	---	205	180	---	336	---	379	---	31	32	---
TOTAL	9917	15103	28494	5732	11482	44708	5704	9810	17878	2585	1978	1127
MEAN	320	503	919	185	410	1442	190	316	596	83.4	63.8	37.6
MAX	1340	1640	3750	254	1020	6100	313	1370	2000	387	252	66
MIN	37	164	194	150	164	178	100	72	78	31	22	22
CFSM	.33	.51	.93	.19	.42	1.46	.19	.32	.61	.09	.07	.04
IN.	.37	.57	1.08	.22	.43	1.69	.22	.37	.68	.10	.07	.04

CAL YR 1985	TOTAL	314559	MEAN 862	MAX 8740	MIN 37	CFSM .88	IN 11.88
WTR YR 1986	TOTAL	154518	MEAN 423	MAX 6100	MIN 22	CFSM .43	IN 5.84

BIG BLACK RIVER BASIN

07290000 BIG BLACK RIVER NEAR BOVINA, MS
(National stream-quality accounting network station)

LOCATION.--Lat 32°20'51", long 90°41'48", in NW¼SE¼ sec.22, T.16 N., R.5 E., Washington Meridian, Hinds County, Hydrologic Unit 08060202, on left bank at downstream side of bridge on U.S. Highway 80 (old), 300 ft 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.--2,810 mi², approximately (includes that of Clear Creek).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1936 to current year. Prior to October 1938 monthly discharge only, published in WSP 1311.

REVISED RECORDS.--WRD Miss. 1968: 1966-67. 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 or 85.00 ft above mean Gulf level (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 poor.

AVERAGE DISCHARGE.--50 years, 3,740 ft³/s, 18.07 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)
May 28	0800	*10,700	*24.78				

Minimum discharge, 130 ft³/s, Sept. 30, gage height 6.26 ft.

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	244	6260	1050	738	626	709	1350	350	6830	430	199	226
2	245	5710	1990	707	601	658	1170	332	3930	351	193	214
3	242	4930	2080	682	572	630	1060	309	2160	337	189	214
4	232	4150	1750	680	602	599	966	296	1510	305	185	250
5	224	3430	1430	696	1090	565	889	287	1290	293	177	246
6	222	2630	1220	720	1970	542	829	280	3060	311	170	459
7	220	1970	1010	736	2810	536	777	277	4480	376	166	658
8	216	1430	854	708	2360	509	754	274	4060	578	166	429
9	213	1080	743	666	1580	491	726	268	3470	565	169	291
10	211	877	664	635	1180	478	681	263	4670	468	174	227
11	209	744	1050	607	1040	485	666	3040	4400	392	641	194
12	206	650	4090	586	912	548	712	8320	3590	354	428	604
13	205	592	8280	569	800	1250	744	9250	3230	310	527	1720
14	299	541	8960	553	745	1930	692	9330	2870	300	380	641
15	658	497	8720	539	778	2840	660	9180	2200	276	288	337
16	1320	685	8460	526	784	3190	646	8100	1640	264	257	248
17	794	978	7920	515	789	2880	609	4350	1250	262	231	230
18	610	1390	7410	511	1120	2780	564	2290	986	254	212	188
19	478	2030	6530	505	1330	6620	526	5260	838	266	216	162
20	751	2370	5420	498	1230	9400	526	6640	709	311	201	153
21	948	1980	4550	493	1370	9830	526	7210	647	308	194	155
22	820	1480	3230	484	1440	9640	480	6140	582	479	234	146
23	617	1120	1940	482	1490	9410	450	3420	517	553	243	150
24	2090	887	1440	482	1380	9290	440	1570	467	525	218	149
25	3560	735	1190	617	1160	9330	443	2650	426	348	195	162
26	3330	644	1050	913	981	9200	431	9140	391	301	178	152
27	2650	597	963	844	860	8240	420	9650	364	268	167	141
28	3140	643	899	787	773	6450	416	10700	360	244	1450	139
29	4760	586	839	744	---	4100	394	10200	347	228	739	134
30	6200	574	788	693	---	2260	370	9490	371	216	525	132
31	6390	---	757	650	---	1640	---	8690	---	207	316	---
TOTAL	42304	52190	97277	19566	32373	117030	19917	147556	61645	10680	9628	9151
MEAN	1365	1740	3138	631	1156	3775	664	4760	2055	345	311	305
MAX	6390	6260	8960	913	2810	9830	1350	10700	6830	578	1450	1720
MIN	205	497	664	482	572	478	370	263	347	207	166	132
CFSM	.49	.62	1.12	.23	.41	1.34	.24	1.69	.73	.12	.11	.11
IN.	.56	.69	1.29	.26	.43	1.55	.26	1.95	.82	.14	.13	.12

CAL YR 1985 TOTAL 910345 MEAN 2494 MAX 16700 MIN 205 CFSM .89 IN 12.05
WTR YR 1986 TOTAL 619317 MEAN 1697 MAX 10700 MIN 132 CFSM .60 IN 8.20

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 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT 21...	1330	1020	120	7.20	24.5	170	7.2	86	K7200	3100
DEC 16...	1100	8510	74	6.80	7.5	180	8.6	71	K7500	1100
FEB 19...	1100	1340	162	7.30	14.0	130	7.6	74	2900	860
APR 17...	1430	604	189	7.50	20.5	23	7.2	80	3000	1300
JUN 12...	0900	3630	118	7.00	27.0	250	6.5	82	4700	E15000
AUG 25...	1430	193	194	7.60	31.0	43	5.2	70	--	880

DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS NONCARB MG/L AS CACO3	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE IT-FLD (MG/L AS HCO3)
OCT 21...	33	0	8.1	3.2	6.5	25	0.5	6.5	44
DEC 16...	20	10	4.7	1.9	3.9	25	0.4	4.6	12
FEB 19...	57	4	13	6.0	11	28	0.7	2.5	65
APR 17...	60	0	14	6.2	13	31	0.7	2.3	77
JUN 12...	32	2	7.7	3.2	7.7	32	0.6	3.0	37
AUG 25...	60	0	14	6.0	14	32	0.8	3.0	75

DATE	ALKA- LINITY, CARBON- ATE IT-FLD (MG/L - CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)
OCT 21...	36	7.6	7.2	0.2	7.6	72	71	0.10	198
DEC 16...	10	11	5.4	<0.1	7.2	51	47	0.07	1170
FEB 19...	53	12	12	0.1	10	100	99	0.14	362
APR 17...	63	15	12	0.1	14	119	110	0.16	194
JUN 12...	30	11	9.9	0.1	8.2	79	71	0.11	774
AUG 25...	61	10	11	0.1	1.0	103	96	0.14	54

BIG BLACK RIVER BASIN

07290000 BIG BLACK RIVER NEAR BOVINA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 21...	0.48	0.11	1.4	0.35	0.10	0.09	220	606	91
DEC 16...	0.29	0.12	1.2	0.29	0.06	0.03	295	6780	93
FEB 19...	0.10	0.05	0.9	0.18	0.03	0.03	254	919	96
APR 17...	<0.10	0.02	0.6	0.12	0.02	0.02	61	99	96
JUN 12...	0.45	0.08	1.2	0.42	0.07	0.04	547	5360	98
AUG 25...	<0.10	<0.01	0.7	0.19	0.04	0.02	76	40	98

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
DEC 16...	400	1	42	<0.5	<1	<1	<3	3	470	1
FEB 19...	40	<1	40	<0.5	<1	<1	<3	2	160	4
AUG 25...	<10	2	57	<0.5	<1	<1	<3	3	7	<5

DATE	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
DEC 16...	<4	260	<0.1	<10	3	<1	<1	41	<6	21
FEB 19...	<4	1	<0.1	<10	2	<1	<1	80	<6	<3
AUG 25...	<4	86	0.1	<10	1	<1	<1	120	<6	7

BAYOU PIERRE BASIN

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07290650 BAYOU PIERRE NEAR WILLOWS, MS

LOCATION.--Lat 32°00'55", long 90°53'00", in lot 16, T.12 N., R.3 E., Washington Meridian, Claiborne County, Hydrologic Unit 08060203, near right bank at downstream side of bridge on county highway, 1.4 mi upstream from South Fork Bayou Pierre, and 1.7 mi southeast of Willows.

DRAINAGE AREA.--653 mi².

PERIOD OF RECORD.--Annual maximums, water years 1959-61. June 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 82.34 ft 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: Oct. 6, Feb. 2-9, Apr. 3-11, Apr. 27 to May 1, May 8-10, May 15-17, July 4-8, July 28-30, Aug. 3-8, Aug. 28 to Sept. 2, Sept. 6-11, Sept. 19-30. Records fair except for estimated days which are poor.

AVERAGE DISCHARGE.--25 years, 903 ft³/s, 18.78 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 88,000 ft³/s, Apr. 7, 1983, gage height, 29.36 ft; minimum discharge, 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)
Mar. 19	1145	*20,800	*22.66	No other peak greater than base discharge.			

Minimum daily discharge, 65 ft/s, Oct. 13, 14.

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	305	2030	477	393	130	127	151	120	1250	844	165	74
2	570	833	438	346	130	130	143	307	642	298	139	72
3	266	651	259	269	160	124	138	551	433	229	110	257
4	169	570	197	228	250	123	130	371	1010	180	90	270
5	127	398	156	202	400	121	122	214	1270	150	74	136
6	110	312	141	183	500	117	117	180	915	130	70	110
7	100	258	130	182	350	112	112	168	466	120	80	90
8	78	231	125	184	290	108	126	150	361	100	74	80
9	74	208	125	187	260	105	122	140	2800	264	116	76
10	70	193	119	192	230	104	112	130	1350	149	81	72
11	70	180	1440	192	219	104	110	479	1560	138	97	70
12	68	175	4240	211	206	175	1580	621	513	135	1020	1360
13	65	170	6250	199	190	774	1880	427	303	129	1040	640
14	65	161	2500	174	183	799	876	199	236	121	250	247
15	137	155	1030	164	215	357	386	112	198	114	151	202
16	228	177	545	154	234	256	287	96	226	107	137	163
17	192	178	412	149	224	216	256	86	581	102	133	134
18	120	157	343	148	202	1430	216	2040	470	105	120	115
19	115	149	292	146	192	16000	187	2810	288	179	110	100
20	299	138	258	143	181	4130	202	639	223	141	99	80
21	163	131	234	142	167	1650	464	281	184	138	87	90
22	337	125	219	139	160	643	498	214	160	409	82	82
23	1600	123	207	134	150	444	278	173	145	195	78	76
24	1970	121	198	129	143	352	224	209	134	143	159	72
25	626	119	187	149	136	294	188	4770	127	145	161	74
26	324	119	171	188	131	252	171	8880	123	166	112	73
27	795	135	213	186	130	232	152	4440	126	136	89	72
28	5140	226	720	180	127	216	142	8740	126	110	80	71
29	7330	150	546	151	---	196	130	3130	509	100	80	70
30	4790	129	374	139	---	179	124	2150	971	90	84	70
31	3520	---	308	133	---	165	---	3990	---	121	76	---
TOTAL	29823	8702	22854	5716	5890	30035	9624	46817	17700	5488	5244	5098
MEAN	962	290	737	184	210	969	321	1510	590	177	169	170
MAX	7330	2030	6250	393	500	16000	1880	8880	2800	844	1040	1360
MIN	65	119	119	129	127	104	110	86	123	90	70	70
CFSM	1.47	.44	1.13	.28	.32	1.48	.49	2.31	.90	.27	.26	.26
IN.	1.70	.50	1.30	.33	.34	1.71	.55	2.67	1.01	.31	.30	.29
CAL YR 1985 TOTAL	258314			MEAN 708	MAX 22000	MIN 55	CFSM 1.08	IN 14.72				
WTR YR 1986 TOTAL	192991			MEAN 529	MAX 16000	MIN 65	CFSM .81	IN 10.99				

HOMOCHITTO RIVER BASIN

07291000 HOMOCHITTO RIVER AT EDDICETON, MS

LOCATION.--Lat 31°30'10", long 90°46'35", in SE¼NE¼ sec.11, T.6 N., R.4 E., Washington Meridian, Franklin County, Hydrologic Unit 08060205, on left bank at upstream side of Illinois Central 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.--180 mi², approximately.

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

REVISED RECORDS.--WSP 1281: 1939-40, 1942-44, 1949-50.

GAGE.--Water-stage recorder. Datum of gage is 212.22 ft above National Geodetic Vertical Datum of 1929. Prior to May 18, 1984, at datum 5.0 ft lower. Prior to May 26, 1942, nonrecording gage at site 900 ft upstream at present datum.

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

AVERAGE DISCHARGE.--48 years, 263 ft³/s, 19.84 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 55,400 ft³/s, Apr. 13, 1974, gage height, 19.53 ft; minimum discharge, 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)
Mar. 19	0500	*10,100	*13.25	No other peak greater than base discharge.			

Minimum discharge, 42 ft³/s, Sept. 9-12; minimum gage height 4.99 ft, Oct. 9.

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	240	256	96	108	76	63	79	76	324	89	47	48
2	148	172	109	96	75	62	80	119	206	69	47	54
3	77	151	72	91	75	62	77	96	162	73	50	94
4	58	124	65	87	150	61	74	79	155	64	49	59
5	50	105	62	86	414	60	72	72	170	61	47	49
6	47	92	61	83	151	58	69	70	132	61	47	47
7	47	87	60	113	108	58	68	68	117	64	47	47
8	45	83	59	123	93	58	74	66	109	98	48	44
9	43	80	57	97	85	58	74	64	112	76	48	43
10	43	76	56	110	85	58	64	64	123	68	47	43
11	43	75	270	135	81	59	62	113	112	61	924	42
12	44	74	881	106	75	75	838	97	98	67	211	130
13	47	71	1920	95	72	163	462	74	91	62	80	99
14	48	68	347	90	75	151	153	65	86	58	70	56
15	50	67	191	88	80	123	147	63	84	55	82	49
16	102	87	150	86	75	76	112	61	84	55	59	48
17	63	88	124	85	73	71	87	73	240	63	58	46
18	51	74	110	86	72	133	76	757	185	63	94	45
19	50	69	100	86	70	4030	75	424	109	66	57	47
20	48	65	94	83	68	484	692	132	81	61	51	53
21	48	62	89	82	67	247	355	90	74	57	50	57
22	56	62	89	84	67	181	150	76	71	72	48	51
23	253	62	87	83	66	146	112	69	68	73	48	49
24	846	62	84	80	64	132	94	64	67	67	48	47
25	413	63	78	92	63	118	85	1350	66	62	47	50
26	114	63	75	135	63	107	79	1970	66	58	47	48
27	404	63	96	96	63	101	74	896	68	55	48	47
28	3000	67	160	86	63	96	70	995	77	54	56	47
29	2370	64	118	81	---	91	67	604	122	51	51	46
30	1300	63	94	79	---	86	72	653	80	48	48	45
31	432	---	112	76	---	82	---	1220	---	48	48	---
TOTAL	10580	2595	5966	2908	2569	7350	4593	10620	3539	1979	2702	1630
MEAN	341	86.5	192	93.8	91.8	237	153	343	118	63.8	87.2	54.3
MAX	3000	256	1920	135	414	4030	838	1970	324	98	924	130
MIN	43	62	56	76	63	58	62	61	66	48	47	42
CFSM	1.89	.48	1.07	.52	.51	1.32	.85	1.91	.66	.35	.48	.30
IN.	2.19	.54	1.23	.60	.53	1.52	.95	2.19	.73	.41	.56	.34

CAL YR 1985	TOTAL	67381	MEAN 185	MAX 5600	MIN 34	CFSM 1.03	IN 13.93
WTR YR 1986	TOTAL	57031	MEAN 156	MAX 4030	MIN 42	CFSM .87	IN 11.79

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.--750 mi², approximately.

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.

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: Oct. 1-3, Jan. 26 to Feb. 7, Apr. 21-30, and Sept. 7-10. Records poor.

AVERAGE DISCHARGE.--35 years, 1,118 ft³/s, 20.24 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)
Mar. 19	0530	*28,700	*16.87	No other peak greater than base discharge.			
Minimum daily discharge, 138 ft ³ /s, Feb. 13.							

REVISIONS: The peak discharge for Feb. 27, 1985 is unknown; the previously published figure was not the peak.

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	1000	3360	491	919	420	180	485	364	2770	413	247	242
2	800	2080	839	644	400	187	444	382	1460	370	286	343
3	580	1700	581	475	1600	194	425	697	1020	352	294	520
4	481	1360	468	468	5000	203	378	359	889	329	255	422
5	425	1120	446	445	3000	198	327	295	2020	295	227	305
6	395	972	420	397	1500	200	295	285	1080	277	234	272
7	392	878	398	456	6000	205	280	277	760	286	256	300
8	404	767	394	699	188	208	278	272	665	620	253	270
9	402	687	388	513	155	217	314	265	617	483	242	250
10	414	630	361	487	153	229	273	262	1210	331	258	240
11	425	563	742	743	152	241	236	455	633	287	2180	227
12	440	497	5480	542	143	527	934	874	539	309	3050	350
13	562	439	8450	401	138	1370	3740	375	427	269	783	912
14	883	410	3380	317	154	877	1200	264	386	233	393	366
15	836	415	1760	282	218	530	830	225	356	226	323	256
16	1940	436	1330	249	189	432	780	214	347	458	358	238
17	910	584	1120	235	186	393	610	226	425	416	314	231
18	731	505	1010	245	193	453	494	2820	998	363	364	219
19	647	440	920	239	184	13400	546	5640	1480	370	403	210
20	802	416	846	193	174	4190	3170	2040	601	266	279	248
21	895	395	803	174	171	2010	2500	1310	400	236	262	322
22	865	386	753	166	165	1330	1400	1100	383	999	255	309
23	2650	379	729	159	164	1130	1000	1040	414	644	260	267
24	6040	367	727	151	166	923	820	1020	346	359	264	281
25	2730	362	669	243	169	917	680	1400	323	316	245	261
26	1440	362	583	2000	175	814	580	6660	303	292	232	247
27	2380	358	635	1000	184	727	500	5900	305	252	274	238
28	12800	392	1070	580	181	698	440	7960	317	367	491	233
29	11800	400	1010	490	---	646	380	3550	484	291	509	230
30	9160	381	761	460	---	575	330	3660	723	261	261	228
31	5350	---	724	430	---	539	---	5680	---	246	232	---
TOTAL	69579	22041	38288	14802	21522	34743	24669	55871	22681	11216	14284	9037
MEAN	2244	735	1235	477	769	1121	822	1802	756	362	461	301
MAX	12800	3360	8450	2000	6000	13400	3740	7960	2770	999	3050	912
MIN	392	358	361	151	138	180	236	214	303	226	227	210
CFSM	2.99	.98	1.65	.64	1.03	1.50	1.10	2.40	1.01	.48	.62	.40
IN.	3.45	1.09	1.90	.73	1.07	1.72	1.22	2.77	1.12	.56	.71	.45

CAL YR 1985	TOTAL	387990	MEAN	1063	MAX	26000	MIN	209	CFSM	1.42	IN	19.24
WTR YR 1986	TOTAL	338733	MEAN	928	MAX	13400	MIN	138	CFSM	1.24	IN	16.80

HOMOCHITTO RIVER BASIN

07292500 HOMOCHITTO 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 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED SATUR- ATION)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT 23...	1330	1380	72	6.60	24.5	43	8.2	99	240	K55
JAN 07...	1345	462	108	6.60	10.0	13	10.2	91	K57	K9
APR 15...	1100	789	83	7.00	21.5	4.5	8.0	90	K54	K12
JUL 01...	1030	386	89	6.70	29.0	5.0	8.3	108	180	90

DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS NONCARB MG/L AS CACO3	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE IT-FLD (MG/L AS HCO3)
OCT 23...	16	4	3.9	1.4	6.6	45	0.8	1.8	15
JAN 07...	18	4	4.7	1.5	12	57	1	1.4	18
APR 15...	14	1	3.5	1.3	8.6	53	1	2.2	16
JUL 01...	15	2	3.5	1.4	10	57	1	1.7	16

DATE	ALKA- LINITY, CARBON- ATE IT-FLD (MG/L - 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 SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)
OCT 23...	12	6.9	10	<0.1	12	55	51	0.08	205
JAN 07...	14	5.8	20	<0.1	14	67	69	0.09	84
APR 15...	13	4.5	12	<0.1	12	64	52	0.09	136
JUL 01...	13	3.9	12	0.2	13	64	54	0.09	67

HOMOCHITTO RIVER BASIN

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07292500 HOMOCHITTO RIVER AT ROSETTA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 23...	<0.10	0.05	0.6	0.07	<0.01	0.01	208	775	88
JAN 07...	<0.10	0.07	0.3	0.03	<0.01	<0.01	20	25	45
APR 15...	<0.10	0.04	0.5	0.05	0.01	<0.01	124	264	40
JUL 01...	<0.10	0.03	0.5	0.04	0.01	0.01	55	57	45

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 23...	130	<1	39	<0.5	2	<1	80	2	460	1
JAN 07...	30	<1	48	<0.5	<1	<1	<3	1	250	1
JUL 01...	40	<1	24	<0.5	<1	<1	<3	3	150	<5

DATE	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 23...	<4	380	<0.1	<10	2	<1	<1	34	<6	39
JAN 07...	<4	500	<0.1	<10	<1	<1	<1	57	<6	11
JUL 01...	<4	30	<0.1	<10	3	<1	<1	45	<6	25

BUFFALO RIVER BASIN

07295000 BUFFALO RIVER NEAR WOODVILLE, MS

LOCATION.--Lat 31°13'35", long 91°17'45", in SW¼ sec.21, T.3 N., R.2 W., Washington Meridian, Wilkinson County, Hydrologic Unit 08060206, near center of span on downstream side of bridge on U.S. Highway 61, 1.5 mi downstream from Fords Creek, 2.8 mi west of Wilkinson, and 8.5 mi north of Woodville.

DRAINAGE AREA.--182 mi².

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.--No estimated daily discharges. Records fair.

AVERAGE DISCHARGE.--44 years, 274 ft³/s, 20.44 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 65,000 ft³/s, Mar. 25, 1973, gage height, 22.3 ft from floodmark, 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)
Oct. 29	2400	*41,100	*18.85	Mar. 19	0215	11,400	12.47

Minimum daily discharge, 21 ft³/s, Sept. 18.

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	575	943	140	142	84	76	77	58	159	65	42	25
2	243	551	127	103	81	75	74	75	118	87	42	132
3	108	409	77	95	80	76	70	57	102	135	41	130
4	80	295	72	90	288	75	67	51	164	64	39	53
5	65	237	70	86	550	73	64	50	109	56	37	40
6	57	203	67	82	171	73	63	49	106	53	72	36
7	52	180	64	151	120	72	59	47	88	248	70	35
8	49	158	64	141	106	72	56	45	82	221	42	32
9	48	143	64	104	98	71	53	43	81	85	48	31
10	48	133	63	198	98	71	49	42	95	69	39	29
11	47	124	1050	223	93	71	48	81	86	65	79	28
12	48	117	2140	128	86	881	811	68	106	74	68	28
13	60	111	2500	108	83	432	231	50	77	57	43	28
14	61	105	404	98	105	163	99	46	70	51	37	26
15	89	101	245	92	156	120	84	44	67	48	43	25
16	148	100	197	89	106	105	68	43	65	46	49	24
17	69	103	170	89	98	97	61	42	64	46	44	22
18	56	93	152	94	95	463	57	291	99	53	34	21
19	52	87	138	91	91	3600	55	369	70	51	32	23
20	281	82	128	84	89	431	1550	101	175	43	31	30
21	76	79	120	82	86	252	262	75	79	172	31	64
22	85	79	116	83	84	193	143	64	66	148	30	33
23	1080	77	112	94	82	165	114	58	83	67	30	29
24	873	76	107	84	80	146	99	70	69	64	31	27
25	280	76	100	317	79	129	89	239	61	119	28	28
26	133	75	94	267	80	117	83	228	58	182	28	26
27	1760	74	118	123	79	109	78	239	56	75	33	23
28	5880	111	179	100	77	100	75	528	62	72	35	22
29	10500	86	118	97	---	92	69	182	175	54	27	22
30	11000	76	101	89	---	86	61	132	88	47	25	22
31	2350	---	143	85	---	81	---	384	---	44	25	---
TOTAL	36253	5084	9240	3709	3325	8567	4769	3851	2780	2661	1255	1094
MEAN	1169	169	298	120	119	276	159	124	92.7	85.8	40.5	36.5
MAX	11000	943	2500	317	550	3600	1550	528	175	248	79	132
MIN	47	74	63	82	77	71	48	42	56	43	25	21
CFSM	6.42	.93	1.64	.66	.65	1.52	.87	.68	.51	.47	.22	.20
IN.	7.41	1.04	1.89	.76	.68	1.75	.97	.79	.57	.54	.26	.22
CAL YR 1985	TOTAL	113441	MEAN 311	MAX 11000	MIN 32	CFSM 1.71	IN 23.19					
WTR YR 1986	TOTAL	82588	MEAN 226	MAX 11000	MIN 21	CFSM 1.24	IN 16.88					

07377000 AMITE RIVER NEAR DARLINGTON, LA

LOCATION.--Lat 30°53'20", long 90°50'40", in lot 72, T.2 S., R.4 E., St. Helena Meridian, St. Helena Parish, Hydrologic Unit 08070202 near center of span on downstream side of bridge on State Highway 10, 1.5 mi 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. 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, datum 2.99 ft higher.

AVERAGE DISCHARGE.--35 years, 917 ft³/s, 21.47 in/yr.

REMARKS.--Estimated daily discharges: Nov. 16 to Dec. 2 and Feb. 16-18. Records good, except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 76,400 ft³/s, Apr. 22, 1977, gage height, 21.76 ft; minimum, 188 ft³/s, Oct. 18, 1956.

NOTE.--Records for 1986 water year will be published in a subsequent report.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at crest-stage partial-record stations are presented in the following table. Discharge measurements made at low-flow partial-record sites and at miscellaneous sites and for special studies are given in separate tables.

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 1986

Annual maximum discharge at crest-stage partial-record stations during water year 1986					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							
02434000	Town Creek at Tupelo, MS	Lat 34°17'39", long 88°42'32", in SW¼ SE¼ 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†, 1971-86	06-06-86	(e)	<3,000
02435800	Coonewah Creek at Shannon, MS	Lat 34°08'17", long 88°43'08", in SE¼ 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	1953-86	3-19-86	15.16	(†)
02436000	Chiwapa Creek at Shannon, MS	Lat 34°06'35", long 88°43'20", in SE¼ 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†, 1968-86	6- 6-86	9.86	13,800
02437300	Mattubby Creek near Aberdeen, MS	Lat 33°52'13", long 88°35'46", in SE¼SE¼ 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, 1952-86	2-21-86	92.03	5,790
02437550	Nichols Creek tributary near Quincy, MS	Lat 33°54'20", long 88°21'05", in SE¼ 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	1967-86	3-12-86	4.50	116
02437600	James Creek at Aberdeen, MS	Lat 38°48'48", long 88°33'59", in SW¼SE¼ 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†, 1969-86	11- 3-85	11.66	2,560
02439980	Chuquatonchee Creek near Okalona, MS	Lat 34°00'05", long 88°53'00", in NE¼ 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 Okalona.	b66.7	1963-68, 1969-80, 1984-86	2-18-86	12.21	2,160

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1986

Annual maximum discharge at crest-stage partial-record stations during water year 1986					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							
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†, 1974-86	03-13-86	12.81	3,360
02440400	Houlka Creek near McCondy, MS	Lat 33°47'05", long 88°51'15", in SE¼SW¼ 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†, 1969-86	3-13-86	(e)	<4,550
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†, 1974-86	3-21-86	15.18	4,850
02440600	Line Creek near Maben, MS	Lat 33°39'17", long 89°03'41" in S¼ sec.26 T.16 S., R.2 E., Chickasaw Meridian, Webster County, Hydrologic Unit 08060201, at bridge on State Highway 15, 1,000 ft below Gulf, Mobile and Ohio Railroad, and 7.0 mi north of Maben.	4.76	1952-86	3-18-86	18.52	1,180
02440800	Trim Cane Creek near Starkville, MS	Lat 33°28'08", long 88°54'30", in W¼ 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	1952-86	3-19-86	21.14	<3,820
02441220	Sand Creek tributary near Mayhew, MS	Lat 33°28'37", long 88°43'23", on line between SW¼ sec.27 and NW¼ 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	1966-86	3-19-86	4.93	125
02441300	Catalpa Creek at Mayhew, MS	Lat 33°28'53", long 88°37'42", in NE¼SW¼ 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†, 1969-86	3-19-86	15.72	3,820
02443000	Luxapallila Creek at Steens, MS	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 highway, 0.2 mi southeast of Steens.	309	1944-47†, 1950-77†, 1978-86	3-14-86	13.56	3,140
02448620	Flat Scooba Creek tributary near Scooba, MS	Lat 32°50'27", long 88°28'08", in SE¼ 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	1967-86	3-12-86	5.28	108
PASCAGOULA RIVER BASIN							
02471100	Leaf River near Raleigh, MS	Lat 32°00'47", long 89°25'58", in SE¼SE¼ 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	1940-43 ^d , 1957-86	5-30-86	(e)	<4,800
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	1968-86	5-31-86	240.81	6,930

See footnotes at end of table.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Annual maximum discharge at crest-stage partial-record stations during water year 1986

Annual Maximum discharge at crest-stage partial-record stations during water year 1966					Annual Maximum		
Station No.	Station Name	Location	Drainage area (mi ²)	Period of record	Date	Gage height (feet)	Dis-charge (ft ³ /s)
PASCAGOULA RIVER BASIN							
02471500	Oakohay Creek at Mize, MS	Lat 31°52'00", long 89°32'49", in NW¼, 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†, 1968-86	11-27-85	286.03	3,700
02472420	Bowie Creek near Sanford, MS	Lat 31°28'20", long 89°31'20", in NE¼ 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 south-west of junction with U.S. Highway 49.	262	1968-86	10-30-85	22.73	7,130
02473047	Gordon Creek at Broad Street at Hattiesburg, MS	Lat 31°19'42", long 89°18'14", in NW¼NE¼ 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	1969-86	12-12-85	10.56	1,400
02473480	Tallahattah Creek near Waldrup, MS	Lat 31°51'40", long 89°05'10", in NW¼SE¼ 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†, 1971-86	5-25-86	14.52	1,360
02473850	Tallahoma Creek tributary at Lake Como, MS	Lat 31°57'43", long 89°12'18", on line between SE¼ sec.31, T.1 N., and NE¼ 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	1966-86	10-29-85	6.85	620
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	1951-86	10-31-85	(e)	<1,620
02475050	Waterfall Branch near McLain, MS	Lat 31°07'08", long 88°45'28", in SW¼ NE¼SE¼ 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	1955-86	ag-23-85 10-29-85	6.01 5.18	215 155
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	1965-86	5-18-86	8.64	500
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	1963-86	10-30-85	11.53	<1,550
TCHOUTACABOUFFA RIVER BASIN							
02480500	Tuxachanie Creek near Biloxi, MS	Lat 30°31'35", 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†, 1972-86	10-30-85	(e)	<3,300
BILOXI RIVER BASIN							
02481130	Biloxi River near Lyman, MS	Lat 30°29'18", long 89°02'09", in SE¼SE¼ 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	1965-86	10-30-85	(c)	(†)

See footnotes at end of table.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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Annual maximum discharge at crest-stage partial-record stations during water year 1986

Annual Maximum Discharge at Crest-stage partial-record stations during water year 1966					Annual Maximum		
Station No.	Station Name	Location	Drainage area (mi ²)	Period of record	Date	Gage height (feet)	Dis-charge (ft ³ /s)
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	1965-86	03-18-86	2.89	50
02484600	Coffee Bogue at Ludlow, MS	Lat 32°34'25", long 89°43'48", in N½ of line between sec.1 and 6, T.8 N., R.5 E., Choctaw Meridian, Scott County, Hydrologic Unit 03180002, at bridge on county road, 1.0 mi west of Ludlow.	77.0	1975-86	3-18-86	(e)	<1,500
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	1965-86	5-30-86	3.78	28
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	1975-86	2-10-85 3-18-86	11.25 10.17	3,240 1,300
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	1952-86	3-18-86	9.30	965
02485800	Eubanks Creek at Jackson, MS	Lat 32°20'23", long 90°09'52", in NE¼NW¼NE¼ sec.26, T.6 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, near right bank at downstream side of Wood Dale Drive bridge in Jackson, 1,600 ft upstream from Interstate 55 (formerly U.S. Highway 51), and 1.3 mi upstream from mouth. Prior to Oct. 1, 1959, 1,600 ft downstream at datum 0.74 ft lower.	3.21	1954-86	3-18-86	10.15	1,660
02486100	Lynch Creek at Jackson, MS	Lat 32°17'04", long 90°12'52", in SE¼ sec.8, T.5 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, at bridge on Valley Street in Jackson, 2,000 ft below U.S. Highway 80, and 2.0 mi above mouth. Prior to Oct. 1, 1958, at site 2,000 ft upstream.	12.0	1955-86	3-18-86	15.09	3,600
02486115	Three Mile Creek at Jackson, MS	Lat 32°16'15", long 90°13'00", in NW¼SE¼ sec.17, T.5 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, 300 ft downstream from old U.S. Highway 51 (Terry Road), 0.6 mi above Illinois Central Railroad.	1.05	1962-86	3-18-86	8.08	665
02487300	Strong River near Puckett, MS	Lat 32°03'48", long 89°44'50", in SE¼SE¼ 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	1958-86	10-30-85	19.91	3,170
02487500	Strong River at D'Lo, MS	Lat 31°58'40", long 89°53'53", in SW¼ 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†, 1972-86	10-30-85	16.73	4,200

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1986

Annual maximum discharge at crest-stage partial-record stations during water year 1986						Annual Maximum	
Station No.	Station Name	Location	Drainage area (mi ²)	Period of record	Date	Gage height (feet)	Dis-charge (ft ³ /s)
PEARL RIVER BASIN--Continued							
02487900	Copiah Creek near Hazlehurst, MS	Lat 31°53'23", long 90°17'10", in SW¼SE¼ 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†, 1969-86	3-19-86	(e)	<3,600
02489030	Elmers Draw near Columbia, MS	Lat 31°11'58", long 89°57'57", in SE¼SE¼NW¼ 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.	0.91	1955-86	10-28-85	6.47	295
02492360	West Hobolochitto Creek near McNeill, MS	Lat 30°39'42", long 89°41'10", in NW¼NE¼ 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†, 1969-86	10-30-85	18.51	6,000
YAZOO RIVER BASIN							
07267000	Hell Creek near New Albany, MS	Lat 34°30'55", long 89°03'10", in SW¼ 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†, 1952-86	3-19-86	7.55	2,820
07268500	Cypress Creek near Etta, MS	Lat 34°26'30", long 89°17'25", in SE¼ 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†, 1952-86	6- 7-86	(e)	<3,760
07274250	Otocalofa Creek at Water Valley, MS	Lat 34°08'26", long 89°38'15", in SW¼ NE¼ 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	1952-86	5-28-86	(e)	<3,270
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†, 1952-86	6- 4-86	7.53	7,200
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	1965-86	6- 4-86	9.57	820
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.	100	1953-659, 1968-86	--	(e)	<5,000
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	1975-86	3-19-86	23.33	900

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1985

Annual Maximum Discharge at Crest-Stage Partial-Record Stations during water year 1985							
Station No.	Station Name	Location	Drainage area (mi ²)	Period of record	Annual Maximum		
					Date	Gage height (feet)	Dis-charge (ft ³ /s)
BIG BLACK RIVER BASIN--Continued							
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	1948-86	03-19-86	18.40	(†)
07290005	Clear Creek near Bovina, MS	Lat 32°21'42", long 90°43'32", in SW¼ sec.17, T.6 N., R.5 W., Choctaw Meridian, Warren County, Hydrologic Unit 08060202, on county road, 1.0 mi northeast of Bovina.	436.0	1953-86	5-12-86	(e)	<1,540
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.	77.4	1961-62†, 1963-86	3-19-86	16.24	6,970
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	1967-86	3-19-86	8.69	615
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†, 1963-86	3-19-86	(e)	<19,300
HOMOCHITTO RIVER BASIN							
07291250	McCall Creek near Lucien, MS	Lat 31°30'24", long 90°38'45", in SW¼ 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.	460.0	1953, 1955-86	3-19-86	(e)	<6,000
THOMPSON CREEK BASIN							
07373550	Moore's Branch near Woodville, MS	Lat 31°05'20", long 91°14'30", in SE¼SW¼ 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	1955-86	10-30-85	4.41	167

† Discharge not determined.

‡ Operated as a continuous-record gaging station.

a Revised.

b Approximately.

c High-water mark was not determined.

d Gage heights and discharge measurements in files of Corps of Engineers.

e Peak stage did not reach bottom of gage.

f Total drainage area 5.19 mi².

g Published at site near Howard, 3 mi downstream.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Low-flow partial-record stations

Measurements of streamflow in the area covered by this report made at low-flow partial-record stations are given in the following table. Most of these measurements were made during periods of base flow when streamflow is primarily from ground water storage. These measurements, when correlated with the simultaneous discharge of a nearby stream where continuous records are available, will give a picture of the low-flow potentiality of the stream. The column headed "Period of record" shows the water years in which measurements were made at the same, or practically the same, site.

Discharge measurements made at low-flow partial-record stations during water year 1986

Discharge measurements made at low-flow partial-record stations during water year 1986					Measurements	
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Discharge (ft ³ /s)
MOBILE RIVER BASIN						
02430550	Donivan Creek near Marietta, MS	Lat 34°29'05", Long 88°30'25", in SW¼ sec.7, T.7 S., R.8 E., Chickasaw Meridian, Prentiss County, Hydrologic Unit 03160101, on county road, 2.5 mi southwest of Marietta.	13.9	1986	8-27-86	0.03
02430690	Twentymile Creek near Mantachie, MS	Lat 34°23'10", Long 88°27'40", in NE¼ sec.16, T.8 S., R.8 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, on State Highway 371, 4.6 mi north of Mantachie.	150	1962-63, 1965, 1970-71, 1973-74, 1976-78, 1985-86	8-14-86, 8-14-86, 8-27-86	9.59, 8.96, 14.0
02433900	Yonaba Creek near Saltillo, MS	Lat 34°20'24", Long 88°44'46", in SW¼ sec.35, T.8 S., R.5 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, on county road, 4.4 mi southwest of Saltillo.	74.2	1967, 1985-86	8-27-86	2.2
02434000	Town Creek at Tupelo, MS	Lat 34°17'39", Long 88°42'32", in SE¼ 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 Tupelo.	111	1986*	2-18-86	437
02434250	Tishomingo Creek near Saltillo, MS	Lat 34°24'30", Long 88°45'10", in NW¼ sec.11, T.8 S., R.5 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, on county road, 4.5 mi northwest of Saltillo.	17.1	1950-63, 1985-86	8-27-86	0
02435980	Chiwapa Creek at Natchez Trace near Shannon, MS	Lat 34°09'56", Long 88°48'41", in SE¼ sec.31, T.10 S., R.5 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, on Natchez Trace Parkway, 6.2 mi northwest of Shannon.	114	1986	9- 2-86	4.32
02436000	Chiwapa Creek at Shannon, MS	Lat 34°06'35", Long 88°43'20", in SE¼ sec.24, T.11 S., R.5 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, on U.S. Highway 45W, 0.7 mi southwest of Shannon.	145	1986*	2-18-86	730
02437400	Wolf Creek near Aberdeen, MS	Lat 33°54'01", Long 88°34'35", in SW¼ sec.33, T.13 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, on county road, 5.5 mi northwest of Aberdeen.	17.7	1986	9- 2-86	0
02440250	Houlka Creek near Trebloc, MS	Lat 33°50'30", Long 88°55'55", in SE¼ sec.24, T.14 S., R.3 E., Chickasaw Meridian, Chickasaw County, Hydrologic Unit 03160104, on State Highway 8, 6.0 mi west of Trebloc.	72.6	1970, 1986	9- 3-86	<.01

See footnotes at end of table.

Discharge measurements made at low-flow partial-record stations during water year 1986

Discharge measurements made at low-flow partial-record stations during water year 1986					Measurements	
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Discharge (ft ³ /s)
MOBILE RIVER BASIN--Continued						
02440500	Chuquatonchee Creek near West Point, MS	Lat 33°36'25", Long 88°42'30", in NE¼ sec.18, T.17 S., R.6 E., Chickasaw Meridian, Clay County, Hydrologic Unit 03160104, on State Highway 50, 3.0 mi west of West Point.	505	1986*	8-26-86	0.31
02447960	Horse Hunters Creek near Macon, MS	Lat 33°09'38", Long 88°33'51", in NE¼ sec.16, T.15 N., R.17 E., Choctaw Meridian, Noxubee County, Hydrologic Unit 03160108, on U.S. Highway 45, 3.7 mi north of Macon.	22.1	1986	8-26-86	.20
02467244	Pawticfaw Creek near Cullum, MS	Lat 32°39'47", Long 88°38'46", in NE¼ sec.3, T.9 N., R.16 E., Choctaw Meridian, Kemper County, Hydrologic Unit 03160202, on county road, 2.4 mi northwest of Cullum.	38.9	1985-86	8-26-86	8.24
02467250	Yazoo Creek near Kipling, MS	Lat 32°40'48", Long 88°38'58", in SW¼ sec.27, T.10 N., R.16 E., Choctaw Meridian, Kemper County, Hydrologic Unit 03160202, on county road, 0.4 mi north of Kipling.	16.6	1986	8-26-86	10.3
02468120	Sucatoiba Creek near Kewanee, MS	Lat 32°27'50", Long 88°26'09", in SE¼ sec.10, T.7 N., R.18 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03160202 on county road, 2.7 mi north of Kewanee.	7.97	1986	8-26-86	.31
PASCAGOULA RIVER BASIN						
02471195	West Tallahala Creek at Louin, MS	Lat 32°04'14", Long 89°17'29", in SE¼ sec.29, T.3 N., R.10 E., Choctaw Meridian, Jasper County, Hydrologic Unit 03170005, on county road, 1.8 mi west of Louin.	118	1972, 1986	6-27-86	.10
02471500	Oakonay Creek at Mize, MS	Lat 31°52'00", Long 89°32'49", in NW¼ sec.6, T.10 N., R.15 W., St. Stephens Meridian, Smith County, Hydrologic Unit 03170004, on State Highway 28, 0.4 mi east of Mize.	185	1986*	6- 2-86 8-27-86	930 17.2
02473950	Tallahoma Creek near Moss, MS	Lat 31°50'00", Long 89°09'30", in SW¼ sec.13, T.10 N., R.11 E., Choctaw Meridian, Jasper County, Hydrologic Unit 03170005, on county road, 1.7 mi northeast of Moss.	110	1986	8-26-86	2.62
02474000	Tallahoma Creek near Laurel, MS	Lat 31°47'00", Long 89°11'00", in NE¼ sec.10, T.9 N., R.12 W., St. Stephens Meridian, Jones County, Hydrologic Unit 03170005, on State Highway 15, 7.0 mi northwest of Laurel.	138	1986	8-26-86	3.67
02474520	Garraway Creek at Belleville, MS	Lat 31°12'20", Long 89°07'41", in SW¼ sec.20, T.3 N., R.11 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, on county road, 0.4 mi south of Belleville.	6.39	1986	9-11-86	7.07
02474596	West Tiger Creek near Overt, MS	Lat 31°28'17", Long 89°00'00", in NE¼ sec.21, T.6 N., R.10 W., St. Stephens Meridian, Jones County, Hydrologic Unit 03170005, on State Highway 15, 2.1 mi southeast of Overt.	49.6	1986	8-26-86	.16

See footnotes at end of table.

Discharge measurements made at low-flow partial-record stations during water year 1986

Discharge measurements made at low-flow partial-record stations during water year 1986						
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Measurements	
					Date	Discharge (ft ³ /s)
PASCAGOULA BASIN--Continued						
02474780	Thompson Creek near Mulberry, MS	Lat 31°29'15", Long 88°52'17", in NW¼ sec.14, T.6 N., R.9 W., St. Stephens Meridian, Wayne County, Hydrologic Unit 03170005, on county road, 1.6 mi northwest of Mulberry.	117	1973, 1986	6-27-86 8-26-86	3.01 1.52
02475580	Tallahatta Creek near Little Rock, MS	Lat 32°30'03", Long 88°55'06", in SE¼ sec.25, T.8 N., R.13 E., Choctaw Meridian, Newton County, Hydrologic Unit 03170001, on State Highway 494, 6.5 mi east of Little Rock.	20.4	1980, 1986	8-27-86	1.10
02476000	Okatibbee Creek at Meridian, MS	Lat 32°21'15", Long 88°45'25", in NW¼ sec.22, T.6 N., R.15 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03170001, on Old U.S. Highway 80, 0.6 mi west of Meridian.	239	1946, 1982, 1985-86	10- 2-85 10-29-85 12-17-85 1-22-86 3-11-86 4-24-86 6- 5-86 7-16-86 8-21-86	142 323 714 115 61.8 59.7 66.7 82.0 82.4
02477070	Souenlovie Creek near Rose Hill, MS	Lat 32°10'14", Long 88°55'53", in SE¼ sec.23, T.4 N., R.13 E., Choctaw Meridian, Jasper County, Hydrologic Unit 03170002, on State Highway 513, 4.3 mi north- east of Rose Hill.	91.4	1985-86	6-27-86	1.81
024790912	Black Creek near Sumrall, MS	Lat 31°23'17", Long 89°37'20", in NE¼ sec.20, T.5 N., R.16 W., St. Stephens Meridian, Lamar County, Hydrologic Unit 03170007, on State Highway 44, 5 mi south- west of Sumrall.	19.0	1986	8-28-86	2.66
02479200	Flint Creek near Wiggins, MS	Lat 30°50'40", Long 89°04'30", in SE¼ sec.27, T.2 S., R.11 W., St. Stephens Meridian, Stone County, Hydrologic Unit 03170007, on State Highway 26, 3.8 mi east of Wiggins.	24.8	1986	8-27-86	17.3
WOLF RIVER BASIN						
02481500	Wolf River near Lyman, MS	Lat 30°35'40", Long 89°20'25", in SW¼ sec.19, T.5 S., R.13 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, on State Highway 53, 15 mi north- west of Lyman.	253	1986	8-28-86	38.6
PEARL RIVER BASIN						
02481807	Tallahaga Creek near Louisville, MS	Lat 33°02'16", Long 89°05'00", in SE¼ sec.29, T.14 N., R.12 E., Choctaw Meridian, Winston County, Hydrologic Unit 03180001, on county road, 6.0 mi south of Louisville.	54.9	1984, 1986	8-25-86	1.14
02481881	Pinishook Creek Tributary near Plattsburg, MS	Lat 32°58'20", Long 89°10'39", in NW¼ sec.21, T.13 N., R.11 E., Choctaw Meridian, Winston County, Hydrologic Unit 03180001, on county road, 2.3 mi northeast of Plattsburg.	1.94	1986	9- 2-86	.02
02481911	Coonsnuck Canal near House, MS	Lat 32°40'22", Long 89°06'38", in SW¼ sec.31, T.10 N., R.12 E., Choctaw Meridian, Neshoba County, Hydrologic Unit 03180001, on county road, 7.9 mi west of House.	17.3	1981, 1986	8-25-86	.31

See footnotes at end of table.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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Discharge measurements made at low-flow partial-record stations during water year 1986

Discharge measurements made at low-flow partial-record stations during water year 1986						
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Measurements	
					Date	Discharge (ft ³ /s)
PEARL RIVER BASIN--Continued						
02482290	Standing Pine Creek near Freeny, MS	Lat 32°42'26", Long 89°27'24", in NE¼ sec.22, T.10 N., R.8 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, on State Highway 488, 1.3 mi east of Freeny.	57.3	1958, 1960, 1962, 1970-71, 1985-86	8-11-86 8-25-86	47.1 13.4
02483800	Yockanookany River at McCool, MS	Lat 33°12'10", Long 89°21'11", in SW¼ sec.34, T.16 N., R.9 E., Choctaw Meridian, Attala County, Hydrologic Unit 03180001, on State Highway 411, 0.2 mi west of McCool.	133	1965, 1985-86	8-26-86	4.79
02486997	Limestone Creek near Union, MS	Lat 31°54'39", Long 90°06'17", in NW¼ sec.21, T.1 N., R.2 E., Choctaw Meridian, Simpson County, Hydrologic Unit 03180002, on county road, 2.2 mi northwest of Union.	1.94	1985-86	9- 2-86	.74
02487287	Purvis Creek near Puckett, MS	Lat 32°06'39", Long 89°43'51", in SE¼ sec.12, T.3 N., R.5 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, on State Highway 13, 3.5 mi north- east of Puckett.	29.8	1985-86	8-25-86	1.67
02487450	Campbell Creek near D'Lo, MS	Lat 32°00'37", Long 89°52'43", in SW¼ sec.15, T.2 N., R.4 E., Choctaw Meridian, Simpson County, Hydrologic Unit 03180002, on county road, 2.3 mi northeast of D'Lo.	55.6	1985-86	6-27-86 9- 2-86	1.69 .13
02487500	Strong River at D'Lo, MS	Lat 31°58'40", Long 89°53'53", in SW¼ sec.28, T.2 N., R.4 E., Choctaw Meridian, Simpson County, Hydrologic Unit 03180002, on Old U.S. Highway 49, 0.2 mi south of D'Lo.	425	1986*	9- 2-86	40.5
02487601	Dabbs Creek at D'Lo, MS	Lat 31°59'51", Long 89°55'26", in NE¼ sec.19, T.2 N., R.4 E., Choctaw Meridian, Simpson County, Hydrologic Unit 03180002, on county road, 1.7 mi northwest of D'Lo.	57.6	1986	9- 2-86	<.01
02488351	Bear Creek at Wanilla, MS	Lat 31°38'16", Long 90°08'00", in NE¼ sec.30, T.8 N., R.11 E., Washington Meridian, Lawrence County, Hydrologic Unit 03180003, on State Highway 27, 0.5 mi southwest of Wanilla.	25.1	1966-67, 1985-86	8-26-86	.63
02488555	East Prong Silver Creek at Gwinville, MS	Lat 31°44'29", Long 89°54'16", in SW¼ sec.15, T.9 N., R.19 W., St. Stephens Meridian, Jefferson Davis County, Hydrologic Unit 03180003, on county road, 0.5 mi south of Gwinville.	26.4	1986	6-27-86 8-28-86	18.7 17.7
02488630	Silver Creek near Arm, MS	Lat 31°30'58", Long 90°02'06", in SW¼ sec.5, T.6 N., R.20 W., (revised), St. Stephens Meridian, Lawrence County, Hydrologic Unit 03180003, on State Highway 43, 2.0 mi northwest of Arm.	163	1985-86	8-26-86	98.9
02489240	Lower Little Creek near Baxterville, MS	Lat 31°09'30", Long 89°37'40", in SE¼ sec.5, T.2 N., R.16 W., St. Stephens Meridian, Lamar County, Hydrologic Unit 03180004, on county road, 5.0 mi northwest of Baxterville.	81.5	1986	8-25-86	31.0

See footnotes at end of table.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at low-flow partial-record stations during water year 1986

Discharge measurements made at low-flow partial-record stations during water year 1986					Measurements	
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Discharge (ft ³ /s)
PEARL RIVER BASIN--Continued						
024892693	Clear Creek Southwest of Baxterville, MS	Lat 31°04'02", Long 89°38'25", in NE¼ sec.7, T.1 N., R.16 W., St. Stephens Meridian, Lamar County, Hydrologic Unit 03180004, on county road, 3.2 mi southwest of Baxterville.	12.6	1985-86	8-25-86	5.65
BOGUE CHITTO BASIN						
02490310	Bogue Chitto at Bogue Chitto, MS	Lat 31°26'17", Long 90°26'47", in SW¼ sec.31, T.6 N., R.8 E., Choctaw Meridian, Lincoln County, Hydrologic Unit 03180005, on county road, 0.3 mi east of Bogue Chitto.	161	1986	8-26-86	28.0
02490448	East Fork Topisaw Creek near Pricedale, MS	Lat 31°19'34", Long 90°18'07", in SE¼ sec.9, T.4 N., R.9 E., Washington Meridian, Pike County, Hydrologic Unit 03180005, on county road, 3.5 mi northwest of Pricedale.	57.6	1986	8-28-86	18.4
02490449	West Fork Topisaw Creek near Pricedale, MS	Lat 31°19'10", Long 90°19'12", in NW¼ sec.17, T.4 N., R.9 E., Washington Meridian, Pike County, Hydrologic Unit 03180005, on State Highway 591, 2.6 mi northwest of Pricedale.	43.4	1985-86	8-28-86	15.1
PEARL RIVER BASIN						
02492355	West Hobolochitto Creek near Poplarville, MS	Lat 30°48'00", Long 89°39'15", in SW¼ sec.12, T.3 S., R.17 W., St. Stephens Meridian, Pearl River County, Hydrologic Unit 03180004, on State Highway 26, 7.5 mi southwest of Poplarville.	95.3	1986	6-27-86 8-26-86	17.5 14.8
MISSISSIPPI RIVER BASIN						
07029267	Hatchie River near Kossuth, MS	Lat 34°49'06", Long 88°43'45", in SW¼ sec.13, T.3 S., R.5 E., Chickasaw Meridian, Alcorn County, Hydrologic Unit 08010207, on State Highway 2, 6.3 mi southwest of Kossuth.	129	1985-86	8-25-86	14.8
07029270	Hatchie River near Walnut, MS	Lat 34°56'37", Long 88°47'08", in NW¼ sec.4, T.2 S., R.5 E., Chickasaw Meridian, Alcorn County, Hydrologic Unit 08010207, on U.S. Highway 72, 6.5 mi east of Walnut.	270	1986	8-25-86	37.7
070292784	Tuscumbia River Canal near Biggersville, MS	Lat 34°50'30", Long 88°30'56", in NE¼ sec.12, T.3 S., R.7 E., Chickasaw Meridian, Alcorn County, Hydrologic Unit 08010207, on county road, 2.5 mi northeast of Biggersville.	248	1985-86	8-25-86	20.7
07029295	McElroy Creek near Corinth, MS	Lat 34°53'41", Long 88°35'31", in NW¼ sec.20, T.2 S., R.7 E., Chickasaw Meridian, Alcorn County, Hydrologic Unit 08010207, on county road, 5.0 mi southwest of Corinth.	13.2	1986	8-25-86	<.01
07029300	Tuscumbia River near Corinth, MS	Lat 34°55'52", Long 88°35'49", in SE¼ sec.6, T.2 S., R.7 E., Chickasaw Meridian, Alcorn County, Hydrologic Unit 08010207, on U.S. Highway 72, 4.0 mi west of Corinth.	277	1986	8-25-86	20.0
07030364	Grogg Creek at Canaan, MS	Lat 34°55'32", Long 89°06'41", in NE¼ sec.8, T.2 S., R.2 E., Chickasaw Meridian, Benton County, Hydrologic Unit 08010210, on county road, 0.1 mi southeast of Canaan.	14.8	1985-86	8-26-86	6.57

See footnotes at end of table.

Discharge measurements made at low-flow partial-record stations during water year 1986

Discharge measurements made at low-flow partial-record stations during water year 1986					Measurements	
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Discharge (ft ³ /s)
YAZOO RIVER BASIN						
07266000	Cane Creek near New Albany, MS	Lat 34°34'20", Long 88°57'20", in SW¼ sec.11, T.6 S., R.3 E., Chickasaw Meridian, Union County, Hydrologic Unit 08030201, on county road, 6.2 mi northeast of New Albany.	22.2	1986	8-26-86	4.29
07267095	Cherry Creek near Ecru, MS	Lat 34°20'27", Long 88°59'02", in SE¼ sec.33, T.8 S., R.3 E., Chickasaw Meridian, Pontotoc County, Hydrologic Unit 08030201, on State Highway 345, 2.4 mi southeast of Ecru.	8.97	1986	8-27-86	.08
07267100	Lappatubby Creek at Ecru, MS	Lat 34°20'59", Long 89°02'03", in NE¼ sec.36, T.8 S., R.2 E., Chickasaw Meridian, Pontotoc County, Hydrologic Unit 08030201, on State Highway 15, 0.5 mi west of Ecru.	47.4	1986	8-27-86	2.01
07268750	Wolf Creek near Etta, MS	Lat 34°29'38", Long 89°19'03", in NE¼ sec.8, T.7 S., R.1 W., Chickasaw Meridian, Lafayette County, Hydrologic Unit 08030201, on county road, 5.0 mi northwest of Etta.	7.14	1985-86	9- 4-86	.01
07269790	Rhoden Creek near Pine Grove, MS	Lat 34°45'22", Long 89°10'10", in NW¼ sec.11, T.4 S., R.1 E., Chickasaw Meridian, Benton County, Hydrologic Unit 08030201, on State Highway 4, 4.3 mi south of Pine Grove.	7.73	1961, 1964, 1985-86	8-26-86	4.15
07269815	Snow Creek near Pine Grove, MS	Lat 34°43'23", Long 89°14'06", in NE¼ sec.19, T.4 S., R.1 E., Chickasaw Meridian, Benton County, Hydrologic Unit 08030201, on county road, 3.5 mi northwest of Pine Grove.	48.7	1985-86	8-26-86	42.5
07270540	Big Spring Creek near Waterford, MS	Lat 34°38'03", Long 89°23'44", in NW¼ sec.22, T.5 S., R.2 W., Chickasaw Meridian, Marshall County, Hydrologic Unit 08030201, on county road, 3.5 mi east of Waterford.	37.8	1986	9- 3-86	18.4
07271000	Clear Creek near Oxford, MS	Lat 34°21'20", Long 89°39'30", in SE¼ sec.30, T.8 S., R.4 W., Chickasaw Meridian, Lafayette County, Hydrologic Unit 08030201, on State Highway 6, 8.3 mi west of Oxford.	10.3	1973-74, 1986	9- 4-86	10.2
07273100	Hotopha Creek near Batesville, MS	Lat 34°21'50", Long 89°52'42", in NW¼ sec.30, T.8 S., R.6 W., Panola County, Hydrologic Unit 08030210, on State Highway 35, 4.4 mi northeast of Batesville.	35.1	1975, 1986	7-23-86 9- 3-86	2.95 4.92
07273800	Yocona River near Tula, MS	Lat 34°15'34", Long 89°21'32", in NE¼ sec.36, T.9 S., R.2 W., Chickasaw Meridian, Lafayette County, Hydrologic Unit 08030203, on State Highway 331, 1.9 mi north of Tula.	121	1986	6-27-86 9- 4-86	12.7 .55
07274100	Humphreys Creek near Taylor, MS	Lat 34°14'35", Long 89°34'01", in NE¼ sec.1, T.10 S., R.4 W., Chickasaw Meridian, Lafayette County, Hydrologic Unit 08030203, on State Highway 7, 2.4 mi south- east of Taylor.	5.12	1986	9- 4-86	1.90

See footnotes at end of table.

Discharge measurements made at low-flow partial-record stations during water year 1986

Discharge measurements made at low-flow partial-record stations during water year 1986					Measurements	
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Discharge (ft ³ /s)
YAZOO RIVER BASIN--Continued						
07274251	Town Creek at Water Valley, MS	Lat 34°08'50", Long 89°38'02", in NE¼ sec.8, T.11 S., R.4 W., Chickasaw Meridian, Yalobusha County, Hydrologic Unit 08030203, on State Highway 7, 0.8 mi south of Water Valley.	2.25	1976, 1985-86	10- 9-85	2.53
					11-14-85	2.35
					1- 9-86	2.60
					2-20-86	2.45
					4- 9-86	2.13
					5-14-86	2.22
					7-22-86	2.20
07275530	Peters (Long) Creek near Pope, MS	Lat 34°12'50", Long 89°58'54", in SW¼ sec.18, T.10 S., R.7 W., Chickasaw Meridian, Panola County, Hydrologic Unit 08030203, on county road, 2.0 mi west of Pope.	79.2	1985-86	9- 4-86	12.4
07275950	Coldwater River near Lewisburg, MS	Lat 34°51'38", Long 89°48'24", in SW¼ sec.35, T.2 S., R.6 W., Chickasaw Meridian, DeSoto County, Hydrologic Unit 08030204, on county road, 1.5 mi east of Lewisburg.	210	1986	9- 3-86	44.7
07276460	Pigeon Roost Creek near Red Banks, MS	Lat 34°45'10", Long 89°34'54", in NE¼ sec.11, T.4 S., R.4 W., Chickasaw Meridian, Marshall County, Hydrologic Unit 08030204, on county road, 5.3 mi south of Red Banks.	50.1	1986	9- 3-86	12.7
07277000	Pigeon Roost Creek near Lewisburg, MS	Lat 34°49'49", Long 89°49'20", in NW¼ sec.15, T.3 S., R.6 W., Chickasaw Meridian, De Soto County, Hydrologic Unit 08030204, on county road, 2.4 mi south of Lewisburg.	228	1986	9- 3-86	97.7
07277200	Camp Creek near Lewisburg, MS	Lat 34°51'37", Long 89°53'00", in SE¼ sec.36, T.2 S., R.7 W., Chickasaw Meridian, De Soto County, Hydrologic Unit 08030204, on county road, 3.0 mi west of Lewisburg.	55.6	1975, 1985-86	8- 3-86	.31
07277730	Senatobia Creek near Senatobia, MS	Lat 34°37'00", Long 89°56'33", in NW¼ sec.28, T.5 S., R.7 W., Chickasaw Meridian, Tate County, Hydrologic Unit 08030204, on State Highway 4, 0.5 mi east of Senatobia.	64.6	1953, 1955-57, 1970, 1974, 1985-86	3-27-86 5-15-86 7-23-86 9- 3-86 9- 4-86	9.92 8.10 8.67 9.46 8.11
07279620	Arkabutla Creek near Savage, MS	Lat 34°36'32", Long 90°12'27", in NE¼ sec.36, T.5 S., R.10 W., Chickasaw Meridian, Tate County, Hydrologic Unit 08030204, on State Highway 4, 1.8 mi south- east of Savage.	112	1975, 1986	9- 4-86	9.32
07279647	Strayhorn Creek near Savage, MS	Lat 34°36'16", Long 90°12'25", in SW¼ sec.36, T.5 S., R.10 W., Chickasaw Meridian, Tate County, Hydrologic Unit 08030204, on State Highway 3, 2.2 mi south- east of Savage.	48.4	1975, 1985-86	9- 4-86	.38
07282200	Shutispear Creek near Slate Springs, MS	Lat 33°46'31", Long 89°21'50", in NW¼ sec.16, T.22 N., R.9 E., Choctaw Meridian, Calhoun County, Hyseologic Unit 08030205, on State Highway 9, 2.5 mi north of Slate Springs.	35.5	1971, 1986	6-27-86 9- 3-86	3.13 1.55
07283209	Brushy Creek on county road near Bruce, MS	Lat 34°01'00", Long 89°25'17", in SE¼ sec.20, T.12 S., R.2 W., Chickasaw Meridian, Calhoun County, Hydrologic Unit 08030205, on county road, 4.5 mi southwest of Bruce.	21.4	1986	9- 3-86	2.02

See footnotes at end of table.

Discharge measurements made at low-flow partial-record stations during water year 1986

Discharge measurements made at low-flow partial-record stations during water year 1986					Measurements	
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Discharge (ft ³ /s)
YAZOO RIVER BASIN--Continued						
07283725	Turkey Creek near Velma, MS	Lat 34°00'49", Long 89°36'28", in SW¼ sec.19, T.25 N., R.7 E., Choctaw Meridian, Yalobusha County, Hydrologic Unit 08030205, on county road, 3.6 mi southeast of Velma.	41.3	1986	9- 3-86	2.93
07285080	Little Bogue Creek near Duck Hill, MS	Lat 33°40'30", Long 89°40'53", in NE¼ sec.20, T.21 N., R.6 E., Choctaw Meridian, Montgomery County, Hydrologic Unit 08030205, on county road, 3.5 mi northeast of Duck Hill.	78.9	1971, 1986	9- 4-86	4.62
07287047	Pelucia Creek near Carrollton, MS	Lat 33°27'42", Long 89°57'21", in SW¼ sec.35, T.19 N., R.3 E., Choctaw Meridian, Carroll County, Hydrologic Unit 08030205, on State Highway 17, 3.8 mi south- west of Carrollton.	42.5	1986	9- 5-86	17.1
07287150	Abiacha Creek near Pine Bluff, MS	Lat 33°20'24", Long 90°09'05", in NW¼ sec.13, T.17 N., R.1 E., Choctaw Meridian, Carroll County, Hydrologic Unit 08030206, on county road, 0.4 mi southeast of Pine Bluff.	95.0	1985-86	9- 2-86	24.7
BIG BLACK RIVER BASIN						
07289059	Spring Creek near Maben, MS	Lat 33°34'15", Long 89°09'08", in NW¼ sec.28, T.20 N., R.11 E., Choctaw Meridian, Webster County, Hydrologic Unit 08060201, on county road, 4.2 mi west of Maben.	22.2	1986	4-29-86	.19
07289112	Calabrella Creek near Tomnolen, MS	Lat 33°33'18", Long 89°24'52", in NW¼ sec.36, T.20 N., R.8 E., (revised), Choctaw Meridian, Webster County, Hydrologic Unit 08060201, on county road, 5.2 mi northwest of Tomnolen.	14.7	1983, 1986	8-26-86	.01
07289340	Zilpha Creek near Hesterville, MS	Lat 33°14'02", Long 89°41'43", in NW¼ sec.21, T.16 N., R.6 E., Choctaw Meridian, Attala County, Hydrologic Unit 08060201, on county road, 5.8 mi (revised) northwest of Hesterville.	98.2	1985-86	8-27-86	2.52
07289430	Apookta Creek near Possumneck, MS	Lat 33°06'53", Long 89°46'26", in NE¼ sec.34, T.15 N., R.5 E., Choctaw Meridian, Attala County, Hydrologic Unit 08060201, on county road, 3.0 mi southwest of Possumneck.	93.3	1985-86	8-27-86	2.76
07289466	Seneasha Creek near Pickens, MS	Lat 32°55'06", Long 89°53'13", in NE¼ sec.4, T.12 N., R.4 E., Choctaw Meridian, Attala County, Hydrologic Unit 08060201, on county road, 6.0 mi (revised) northeast of Pickens.	102	1966, 1968, 1971, 1975, 1985-86	8-25-86	3.66
07289505	Big Cypress Creek near Vaughn, MS	Lat 32°49'59", Long 90°02'14", in NW¼ sec.6, T.11 N., R.3 E., Choctaw Meridian, Yazoo County, Hydrologic Unit 08060202, on county road, 1.8 mi north of Vaughn.	86.6	1966-67, 1986	6-27-86	2.00

See footnotes at end of table.

Discharge measurements made at low-flow partial-record stations during water year 1986

Discharge measurements made at low-flow partial-record stations during water year 1986					Measurements	
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Discharge (ft ³ /s)
BIG BLACK RIVER BASIN--Continued						
07289530	Doaks Creek near Canton, MS	Lat 32°43'54", Long 89°59'35", in NW¼ sec.9, T.10 N., R.3 E., Choctaw Meridian, Madison County, Hydrologic Unit 08060202, on State Highway 51, 8.5 mi northeast of Canton.	164	1943, 1950, 1952-54, 1956, 1958-60, 1965-66, 1970, 1982, 1985-86	8-28-86	10.8
BAYOU PIERRE RIVER BASIN						
07290350	Turkey Creek near Dentville, MS	Lat 31°56'55", Long 90°31'17", in SE¼ sec.5, T.1 N., R.3 W., Choctaw Meridian, Copiah County, Hydrologic Unit 08060203, on State Highway 472, 2.0 mi south- east of Dentville.	39.8	1953-54, 1956, 1959, 1971, 1973, 1985-86	8-25-86	6.47
07290500	Bayou Pierre near Carpenter, MS	Lat 32°00'10", Long 90°41'24", in NE¼ sec.22, T.12 N., R.5 E., Washington Meridian, Copiah County, Hydrologic Unit 08060203, on State Highway 18, 2.0 mi south of Carpenter.	371	1986	8-25-86	41.5
07290670	Little Bayou Pierre near Peyton, MS	Lat 31°50'59", Long 90°44'43", in SE¼ sec.7, T.10 N., R.5 E., Washington Meridian, Claiborne County, Hydrologic Unit 08060203, on county road, 3.1 mi northeast of Peyton.	45.1	1985-86	8-30-86	2.62
07290688	Clarks Creek near Peyton, MS	Lat 31°51'32", Long 90°50'48", in SE¼ sec.7, T.10 N., R.4 E., Washington Meridian, Claiborne County, Hydrologic Unit 08060203, on State Highway 547, 2.5 mi northwest of Peyton.	59.4	1962-63, 1978, 1985-86	8-30-86	2.97
HOMOCHITTO RIVER BASIN						
07291500	Homochitto River near Bude, MS	Lat 31°26'24", Long 90°51'21", in NE¼ sec.45, T.6 N., R.3 E., Washington Meridian, Franklin County, Hydrologic Unit 08060205, on U.S. Highway 98, 1.6 mi south of Bude.	407	1986	8-27-86	133
07291800	Middleton Creek near Meadville, MS	Lat 31°24'10", Long 90°54'48", in NE¼ sec.22, T.5 N., R.3 E., Washington Meridian, Franklin County, Hydrologic Unit 08060205, on county road, 5.0 mi south of Meadville.	27.7	1986	8-27-86	11.8
07294500	Homochitto River near Dolorosa, MS	Lat 31°19'53", Long 91°21'37", in SW¼ sec.10, T.4 N., R.2 E., Washington Meridian, Wilkinson County, Hydrologic Unit 08060205, on U.S. Highway 61, 2.2 mi north of Dolorosa.	1,138	1986	8-27-86	308
BUFFALO RIVER BASIN						
07294870	Buffalo River near Wilkinson, MS	Lat 31°06'14", Long 91°09'36", in SE¼ sec.25, T.2 N., R.1 W., Washington Meridian, Wilkinson County, Hydrologic Unit 08060206, on county road, 10.2 mi southeast of Wilkinson.	26.4	1986	8-27-86	12.1

See footnotes at end of table.

Discharge measurements made at low-flow partial-record stations during water year 1986

Discharge measurements made at low-flow partial-record stations during water year 1986					Measurements	
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Discharge (ft ³ /s)
TANGIPAHOA RIVER BASIN						
07375234	Tangipahoa River near McComb, MS	Lat 31°12'40", Long 90°31'20", in NE¼ sec.20, T.3 N., R.7 E., Washington Meridian, Pike County, Hydrologic Unit 08070205, on State Highway 24, 3.1 mi south- west of McComb.	46.8	1985-86	8-29-86	14.2
07375285	Bala Chitto Creek near Osyka, MS	Lat 31°01'44", Long 90°24'04", in NE¼ sec.28, T.1 N., R.8 E., Washington Meridian, Pike County, Hydrologic Unit 08070205, on county road, 4.0 mi northeast of Osyka.	46.5	1985-86	8-29-86	8.64
TICKFAW RIVER BASIN						
07375750	Tickfaw River at Gillsburg, MS	Lat 31°01'22", Long 90°38'48", in NW¼ sec.30, T.1 N., R.6 E., Washington Meridian, Amite County, Hydrologic Unit 08070203, on State Highway 584, 0.4 mi east of Gillsburg.	43.6	1985-86	8-29-86	10.8
AMITE RIVER BASIN						
07376640	East Fork Amite River at Mars Hill, MS	Lat 31°18'25", Long 90°38'03", in NE¼ sec.19, T.4 N., R.6 E., Washington Meridian, Amite County, Hydrologic Unit 08070202, on State Highway 570, 0.4 mi northwest of Mars Hill.	39.1	1982, 1985-86	8-29-86	12.6

* Also a crest-stage partial-record station.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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 1986						
Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
MOBILE RIVER BASIN						
02429920 Hurricane Creek near Marietta, MS	Big Brown Creek	Lat 34°31'48", Long 88°27'46", in SE¼ sec.28, T.6 S., R.8 E., Chickasaw Meridian, Prentiss County, Hydrologic Unit 03160101, on State Highway 371, 2.0 mi north of Marietta.	18.4	1985	8/27/86	0.34
02431400 Mantachie Creek at Dorsey, MS	Tombigbee River	Lat 34°15'09", Long 88°28'35", in SE¼ sec.32, T.9 S., R.8 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, on U.S. Highway 78, 0.5 mi east of Dorsey.	61.8	1942, 1944-46, 1952-54, 1956, 1958, 1962, 1970-71, 1973-74, 1976-78, 1985	8/27/86	1.92
02435800 Coonewah Creek at Shannon, MS	Town Creek	Lat 34°08'17", Long 88°43'08", in SE¼ 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.	53.1	1939-40,* 1955, 1962, 1967, 1970-71, 1973, 1985-86	2/18/86 9/ 2/86	273 .07
02437600 James Creek at Aberdeen, MS	Tombigbee River	Lat 33°48'48", Long 88°33'59", in SE¼ sec.33, T.14 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, on State Highway 25, 0.8 mi southeast of Aberdeen.	28.4	1964-69,* 1977-83, 1985	1/12/85 2/ 3/86 3/18/86	.89 .55 2.06
02439335 Mill Creek near Splunge, MS	Sipsey River	Lat 33°53'00", Long 88°16'36", in SW¼ sec.24, T.13 S., R.17 W., Huntsville Meridian, Monroe County, Hydrologic Unit 03160103, on county road, 3.1 mi south of Splunge.	22.00	---	9/ 2/86	.01
02441300 Catalpa Creek at Mayhew, MS	Tibbee Creek	Lat 33°28'53", Long 88°37'42", in SW¼ sec.28, T.19 N., R.16 E., Choctaw Meridian, Lowndes County, Hydrologic Unit 03160104, on U.S. Highway 82, 0.5 mi east of Mayhew.	98.0	1942,* 1944, 1953-60, 1968, 1980, 1982-83	8/27/86	.33
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 highway, 0.2 mi southeast of Steens.	309	1939-85*	8/27/86	63.5
02447800 Hashuqua Creek near Macon, MS	Noxubee River	Lat 33°06'07", Long 88°40'53", in SE¼ sec.32, T.15 N., R.16 E., Choctaw Meridian, Noxubee County, Hydrologic Unit 03160108, on State Highway 14, 7.6 mi west of Macon.	95.1	1952-53,* 1955-57, 1959-61, 1969-70, 1979	8/26/86	41.6
02448200 Macedonia Creek at Macon, MS	Noxubee River	Lat 33°02'13", Long 88°33'47", in SE¼ sec.28, T.14 N., R.17 E., Choctaw Meridian, Noxubee County, Hydrologic Unit 03160108, on U.S. Highway 45, 3.7 mi south of Macon.	52.4	1942-44,* 1952-53, 1955-57, 1959-60, 1970	8/26/86	5.73

See footnotes at end of table.

Discharge measurements made at special study and miscellaneous sites during water year 1986

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
MOBILE RIVER BASIN--Continued						
02467220 Sucarnoochee Creek at Porterville, MS	Tombigbee River	Lat 32°41'16", Long 88°28'24", in NE¼ sec.29, T.10 N., R.18 E., Choctaw Meridian, Kemper County, Hydrologic Unit 03160202, on State Highway 498, 0.1 mi west of Porterville.	37	---	10/28/85	865
02467450 Ponta Creek at Lauderdale, MS	Sucarnoochee River	Lat 32°31'47", Long 88°30'42", in NW¼ sec.24, T.8 N., R.17 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03160202, on U.S. Highway 45, 0.5 mi north of Lauderdale.	64.6	1953-56, 1959-60, 1964, 1967, 1985	8/26/86	9.00
PASCAGOULA RIVER BASIN						
02471250 Leaf River near Taylorsville, MS	Pascagoula River	Lat 31°49'40", Long 89°24'30", in SE¼ sec.16, T.10 N., R.14 W., St. Stephens Meridian, Smith County, Hydrologic Unit 03170004, on State Highway 28, 1.1 mi east of Taylorsville.	466	1957,* 1960, 1964-66, 1968, 1973-76, 1979	10/28/85	1,260
02471400 Oakohay Creek near Raleigh, MS	Leaf River	Lat 32°02'50", Long 89°34'17", in NW¼ sec.3, T.2 N., R.7 E., Choctaw Meridian, Smith County, Hydrologic Unit 03170004, on State Highway 18, 3 mi west of Raleigh.	660.9	1943, 1951-52, 1955-57, 1960, 1968, 1971	12/13/85, 1/27/86, 3/ 7/86, 4/18/86, 6/ 5/86, 6/27/86	595, 20.0, 8.34, 6.31, 12.1, 1.55
02471405 Two Mile Creek near Raleigh, MS	Oakohay Creek	Lat 32°02'39", Long 89°33'03", in NW¼ sec.2, T.2 N., R.7 E., Choctaw Meridian, Smith County, Hydrologic Unit 03170004, on State Highway 18, 1.5 mi west of Raleigh.	2.58	1985	11/ 1/85, 12/13/85, 1/27/86, 3/ 7/86, 4/18/86, 6/ 5/86	5.24, 8.43, 1.22, 0.70, 0.39, 1.68
02472100 Big Creek near Laurel, MS.	Leaf River	Lat 31°40'56", Long 89°18'42", in SW¼ sec.4, T.8 N., R.13 W., St. Stephens Meridian, Jones County, Hydrologic Unit 03170004, on U.S. Highway 84, 10 mi west of Laurel.	102	1943-44, 1951, 1954-57, 1959-60, 1964-67	8/25/86	19.3
02472820 Okatoma Creek - at Seminary, MS	Bowie River	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, 1980-85	3/ 7/86, 4/14/86, 6/ 3/86, 7/ 8/86, 8/18/86, 9/22/86	126, 178, 666, 95.0, 63.7, 68.7
02473038 Gordon Creek at Highway 11 & 49 at Hattiesburg, MS	Leaf River	Lat 31°18'20", Long 89°19'07", in SE¼ sec.17, T.4 N., R.13 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170005, on State Highway 11, 0.3 mi southwest of Hattiesburg.	2.97	---*	10/28/85	338
02474567 Bogue Homo at Heidelberg, MS	Leaf River	Lat 31°54'08", Long 89°00'38", in NW¼ sec.30, T.1 N., R.12 E., Choctaw Meridian, Jasper County, Hydrologic Unit 03170005, on State Highway 528, 0.6 mi west of Heidelberg.	16.4	1985	10/31/85, 12/12/85, 1/23/86, 3/ 6/86, 4/17/86, 6/ 4/86, 7/10/86, 8/21/86	43.2, 59.0, 9.88, 4.49, 3.91, 2.76, 0, 0

See footnotes at end of table.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at special study and miscellaneous sites during water year 1986

Discharge measurements made at special study and miscellaneous sites during water year 1986						
Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
PASCAGOULA RIVER BASIN--Continued						
02474950 Gaines Creek near Hintonville, MS	Leaf River	Lat 31°15'00", Long 88°52'00", in NE¼ sec.2, T.3 N., R.9 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, on county road, 3.3 mi east of Hintonville.	124	---	6/28/86 8/27/86	3.14 2.06
02477330 Shubuta Creek near Shubuta, MS	Chickasawhay River	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 (revised), on county road, 1.5 mi northwest of Shubuta.	75.5	1939-40,* 1942-43, 1961, 1964-68, 1971-73, 1981, 1983	8/26/86	8.82
02477690 Buckatunna Creek near Energy, MS	Chickasawhay River	Lat 32°09'40", Long 88°34'45", in NW¼ sec.29, T.4 N., R.17 E., Choctaw Meridian, Clarke County, Hydrologic Unit 03170002, on county road, 2.1 mi southwest of Energy.	73.8	---	6/27/86	4.70
02477980 Buckatunna Creek near Waynesboro, MS	Chickasawhay River	Lat 31°44'32", Long 88°31'40", in SW¼ sec.18, T.9 N., R.5 W., St. Stephens Meridian, Wayne County, Hydrologic Unit 03170002, on county road, 8.4 mi northeast of Waynesboro.	457	1985	8/25/86	20.3
02478135 Big Creek near Chicora, MS	Chickasawhay River	Lat 31°28'26", Long 88°36'22", in NE¼ sec.20, T.6 N., R.6 W., St. Stephens Meridian, Wayne County, Hydrologic Unit 03170003, on county road, 6.5 mi southwest of Chicora.	4.0	---	8/25/86	6.14
02479100 Black Creek near Purvis, MS	Pascagoula River	Lat 31°11'24", Long 89°22'36", in SW¼ sec.26, T.3 N., R.14 W., St. Stephens Meridian, Lamar County, Hydrologic Unit 03170007, on U.S. Highway 11, 4.0 mi northeast of Purvis.	171	1957-59, 1961, 1963, 1967, 1972, 1975-77, 1979-80, 1985	3/28/86 5/ 5/86 6/17/86 7/28/86 9/ 8/86	117 52.8 65.6 71.1 58.6
02479190 Red Creek near Wiggins, MS	Pascagoula River	Lat 30°51'06", Long 89°12'52", in NW¼ sec.29, T.2 S., R.12 W., St. Stephens Meridian, Stone County, Hydrologic Unit 03170007, on State Highway 26, 4.0 mi west of Wiggins.	160	1952-57, 1959-60	8/27/86	25.6
02479250 Bluff Creek near Wiggins, MS	Red Creek	Lat 30°51'13", Long 88°58'00", in SW¼ sec.23, T.2 S., R.10 W., St. Stephens Meridian, Stone County, Hydrologic Unit 03170007, on State Highway 26, 12.1 mi east of Wiggins.	28.4	1954-55, 1957, 1959-60, 1975	6/28/86 8/27/86	11.7 7.81
02479258 Mike Tom's Branch near Columbia, MS	Lower Little Creek	Lat 31°07'20", Long 89°46'31", in NE¼ sec.23, T.2 N., R.14 E., St. Stephens Meridian, Marion County, Hydrologic Unit 03180004, on State Highway 43, 10 mi southeast of Columbia.	4.24	---	10/28/85	58.6
02480250 Bluff Creek near Vancleve, MS	West Pasacgoula River	Lat 30°32'52", Long 88°42'56", in SE¼ sec.6, T.6 S., R.7 W., St. Stephens Meridian, Jackson County, Hydrologic Unit 03170006, on county road, 2.1 mi northwest of Vancleve.	52.0	1953, 1955, 1958-61, 1963, 1974-79	8/27/86	35.5

See footnotes at end of table.

Discharge measurements made at special study and miscellaneous sites during water year 1986

Discharge measurements made at special study and miscellaneous sites during water year 1986						
Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
BILOXI RIVER BASIN						
02481097 Little Biloxi River near Wortham, MS	Big Biloxi River	Lat 30°31'44", Long 89°07'07", in NW¼ sec.17, T.6 S., R.11 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, on county road, 2.2 mi southeast of Wortham.	64.2	---	8/26/86	11.1
JOURDAN RIVER BASIN						
02481600 Bayou Bacon near Kiln, MS	Jourdan River	Lat 30°27'34", Long 89°29'36", in NW¼ sec.3, T.7 S., R.15 W., St. Stephens Meridian, Hancock County, Hydrologic Unit 03170009, on county road, 5.5 mi northwest of Kiln.	16.4	1953-55, 1957, 1959, 1971, 1973	8/26/86	1.53
BAYOU lACROIX RIVER BASIN						
02481680 Bayou Philips near Waveland, MS	Bayou laCroix	Lat 30°17'58", Long 89°26'50", in SE¼ sec.36, T.8 S., R.15 W., St. Stephens Meridian, Hancock County, Hydrologic Unit 03170009, on county road, 3.7 mi northwest of Waveland.	13.0	---	10/29/85	514
PEARL RIVER BASIN						
02481810 Tallahaga Creek near Noxapater, MS	Pearl River	Lat 33°00'55", Long 89°03'35", in NE¼ sec.4, T.13 N., R.12 E., Choctaw Meridian, Winston County, Hydrologic Unit 03180001, on State Highway 15, 1.2 mi north of Noxapater.	58.6	1943, 1952-58, 1961, 1969, 1985	6/27/86	0.39
02482300 Lobutcha Creek at Zama, MS	Pearl River	Lat 32°58'45", Long 89°23'00", in SW¼ sec.16, T.13 N., R.9 E., Choctaw Meridian, Attala County, Hydrologic Unit 03180001, on State Highway 19, 0.3 mi northwest of Zama.	139	1938-39, 1945, 1953-54, 1956, 1960, 1969-71	8/26/86	0.17
02484300 Yockanookany River near Thomastown, MS	Pearl River	Lat 32°51'10", Long 89°39'04", in NE¼ sec.35, T.12 N., R.6 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, on county road, 0.5 mi southeast of Thomastown.	394	1962, 1965, 1968, 1969-70, 1975	8/11/86 8/25/86	19.8 13.4
02485601 Pearl River at Ross Barnett Reservoir at Jackson, MS	Gulf of Mexico	Lat 32°23'47", Long 90°03'50", in NW¼ sec.2, T.6 N., R.2 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, on Spillway Road, at dam of Ross Barnett Reservoir at Jackson, MS	3,050	1985	8/19/86	362
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 Old Byram.	3,430	1939, 1964, 1972, 1976-78, 1984-85	8/20/86	376
02487550 Dabbs Creek near Braxton, MS	Strong River	Lat 32°02'32", Long 89°57'10", in NW¼ sec.1, T.2 N., R.3 E., Choctaw Meridian, Simpson County, Hydrologic Unit 03180002, on county road, 1.7 mi northeast of Braxton.	43.6	---	6/27/86 9/ 2/86	0.41 0
02487750 Big Creek near Pinola, MS.	Strong River	Lat 31°52'42", Long 90°03'12", in SW¼ sec.36, T.1 N., R.2 E., Choctaw Meridian, Simpson County, Hydrologic Unit 03180002, on State Highway 28, 5.5 mi west of Pinola.	44.0	1948, 1953-57, 1959-60, 1969, 1971	6/27/86 8/28/86 9/ 2/86	1.56 12.1 0.40

See footnotes at end of table.

Discharge measurements made at special study and miscellaneous sites during water year 1986						
Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
PEARL RIVER BASIN--Continued						
02488350 Fair River near Monticello, MS	Pearl River	Lat 31°37'04", Long 90°07'48", in SE¼ sec.31, T.8 N., R.11 E., Washington Meridian, Lawrence County, Hydrologic Unit 03180003, on State High- way 27, 4.5 mi north of Monticello.	104	1955-56, 1959-60, 1964, 1966-67, 1969, 1970-73, 1985	8/26/86	31.8
02489000 Pearl River near Columbia, MS	Gulf of Mexico	Lat 31°14'18", 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	1928-54, 1955, 1958, 1960-64, 1972, 1974, 1985	5/ 2/86 6/13/86 7/22/86 9/10/86	1,680 4,340 1,460 1,250
02489195 Tenmile Creek near Cheraw, MS	Pearl River	Lat 31°09'18", Long 89°54'46", in NE¼ sec.8, T.2 N., R.13 E., Washington Meridian, Marion County, Hydrologic Unit 03180004, on county road, 4.0 mi west of Cheraw.	27.6	1985	6/27/86 8/27/86	37.4 36.2
02489250 Lower Little Creek at Hub, MS	Pearl River	Lat 31°08'33", Long 89°45'30", in SE¼ sec.12, T.2 N., R.18 W., St. Stephens Meridian, Marion County, Hydrologic Unit 03180004, on State Highway 13, 0.5 mi southwest of Hub.	122	1929, 1953-55, 1957, 1959-64, 1966	6/27/86 8/27/86	52.8 54.6
02489259 Rawls Creek at Spring Cottage, MS	Pearl River	Lat 31°05'35", Long 89°46'07", in NW¼ sec.36, T.2 N., R.18 W., St. Stephens Meridian, Marion County, Hydrologic Unit 03180004, on State Highway 43, 0.3 mi northwest of Spring Cottage.	5.01	---	10/28/85	132
BOGUE CHITTO RIVER BASIN						
02490450 Topisaw Creek at Pricedale, MS	Bogue Chitto River	Lat 31°17'12", Long 90°18'00", in NE¼ sec.28, T.4 N., R.9 E., Washington Meridian, Pike County, Hydrologic Unit 03180005, on State Highway 44, 0.25 mi west of Pricedale.	110	1968-69, 1973, 1985	8/28/86	53.0
02490479 Leatherwood Creek near Kioto, MS	Bogue Chitto River	Lat 31°12'18", Long 90°15'24", in SW¼ sec.24, T.3 N., R.9 E., Washington Meridian, Walshall County, Hydrologic Unit 03180005, on county road, 3.0 mi north of Kioto.	30.6	1966-67, 1973, 1985	8/28/86	5.89
PEARL RIVER BASIN						
02490900 Bogue Chitto near Lehr, MS	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 (revised) mi west of Lehr.	785	1969, 1971, 1976, 1979, 1982-85	5/ 2/86 6/13/86 7/23/86 9/ 9/86	574 618 852 444
02492360 West Hoblochitto Creek near McNeill, MS	Pearl River	Lat 30°39'42", Long 89°41'10", in NE¼ sec.34, T.4 S., R.17 W., St. Stephens Meridian, Pearl River County, Hydrologic Unit 03180004, on county road, 3.1 mi west of McNeill.	175	1966-69, 1971-73, 1977, 1980	10/30/85	5,710

See footnotes at end of table.

Discharge measurements made at special study and miscellaneous sites during water year 1986

Drainage measurements made at special study and miscellaneous sites during water year 1986					Measurements	
Stream	Tributary to	Location	Drainage area (mi2)	Measured previously (water years)	Measurements	
					Date	Discharge (ft3/s)
MISSISSIPPI RIVER BASIN						
07030361 Wolf River on county road near Brody, MS	Mississippi River	Lat 34°54'35", Long 89°02'50", in SW¼ sec.13, T.2 S., R.2 E., Chickasaw Meridian, Benton County, Hydrologic Unit 08010210, on county road, 4.0 mi southeast of Brody.	5.80	1985	8/26/86	2.45
07030380 Grays Creek near Springhill, MS	Wolf River	Lat 34°56'48", Long 89°16'22", in NE¼ sec.2, T.2 S., R.1 W., Chickasaw Meridian, Benton County, Hydrologic Unit 08010210, on U.S. Highway 72, 3.5 mi northwest of Springhill.	22.6	1953, 1955-57, 1959, 1974	8/26/86	10.5
YAZOO RIVER BASIN						
07268500 Cypress Creek near Etta, MS	Bay Springs Branch	Lat 34°26'30", Long 89°17'25", in SE¼ sec.27, T.7 S., R.1 W., Chickasaw Meridian, Lafayette County, Hydrologic Unit 08030201, on State Highway 30, 4.5 mi southwest of Etta.	28.5	1939-43,* 1965, 1971, 1983-84	9/ 4/86	5.51
07269600 South Tippah Creek near Blue Mountain, MS	Tippah Creek	Lat 34°42'35", Long 89°02'07", in NE¼ sec.25, T.4 S., R.2 E., Chickasaw Meridian, Tippah County, Hydrologic Unit 08030201, on county road, 2.5 mi north of Blue Mountain.	30.3	1955-57, 1961, 1964	8/26/86	3.72
07269878 Oaklimer Creek near Hickory Flat, MS	Tippah Creek	Lat 34°37'22", Long 89°08'59", in NW¼ sec.25, T.5 S., R. 1 E., Chickasaw Meridian, Benton County, Hydrologic Unit 08030201, on county road, 2.0 mi northeast of Hickory Flat.	11.2	1985	4/28/86	1.43
07269879 Pechahalee Creek near Hickory Flat, MS	Oaklimer Creek	Lat 34°37'38", Long 89°13'51", in SE¼ sec.19, T.5 S., R.1 E., Chickasaw Meridian, Benton County, Hydrologic Unit 08030201, on county road, 2.5 mi northwest of Hickory Flat.	7.05	1985	4/28/86	.84
07269880 Tippah River near Potts Camp, MS	Little Tallahatchie River	Lat 34°35'51", Long 89°21'01", in NW¼ sec.9, T.6 S., R.1 W., Chickasaw Meridian, Marshall County, Hydrologic Unit 08030201, on U.S. Highway 78, 1.3 mi north of Potts Camp.	359	1955-56, 1958-59, 1974	4/28/86	113
07273070 Hotopha Creek East of Batesville, MS	Tallahatchie River	Lat 34°19'23", Long 89°50'41", in NE¼ sec.8, T.8 S., R.6 W., Chickasaw Meridian, Panola County, Hydrologic Unit 08030201, on State Highway 6, 6.0 mi east of Batesville.	25.4	---	9/ 4/86	5.75
07280400 Tillatoba Creek at Charleston, MS	Tallahatchie River	Lat 33°59'59", Long 90°03'55", in NW¼ sec.35, T.25 N., R.2 E., Choctaw Meridian, Tallahatchie County, Hydrologic Unit 08030202, on State Highway 35, 0.1 mi south of Charleston.	61.8	1909, 1953, 1955-56, 1959, 1973, 1975-78, 1985	9/ 4/86	12.2

See footnotes at end of table.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at special study and miscellaneous sites during water year 1986

Discharge measurements made at special study and miscellaneous sites during water year 1986						
Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
YAZOO RIVER BASIN--Continued						
07282600 Skuna River near Houlka, MS	Yalobusha River	Lat 34°03'03", Long 89°05'53", in SW¼ sec.9, T.12 S., R.2 E., Chickasaw Meridian, Chickasaw County, Hydrologic Unit 08030205, on State Highway 32, 4.6 mi northwest of Houlka.	64.3	1985	6/27/86 9/ 3/86	0.23 0
BIG BLACK RIVER BASIN						
07289060 Spring Creek near Mathiston, MS	Big Black River	Lat 33°22'47", Long 89°10'01", in NE¼ sec.5, T.19 N., R.11 E., Choctaw Meridian, Webster County, Hydrologic Unit 08060201, on U.S. Highway 82, 2.0 mi west of Mathiston.	27.8	1952, 1954, 1956-57, 1959-60, 1971	8/26/86	<.01
07289090 Little Black Creek at Eupora, MS	Big Black River	Lat 33°32'25", Long 89°15'05", in NE¼ sec.4, T.19 N., R.10 E., Choctaw Meridian, Webster County, Hydrologic Unit 08060201, on U.S. Highway 82, 0.9 mi east of Eupora.	25.1	1952, 1954, 1956-57, 1964, 1983	2/27/86 4/ 8/86 5/21/86 7/ 1/86 8/12/86	4.23 3.71 1.42 2.38 .73
07289092 Whites Creek at Eupora, Ms.	Little Black River	Lat 33°32'25", Long 89°15'29", in NW¼ sec.4, T.19 N., R.10 E., Choctaw Meridian, Webster County, Hydrologic Unit 08060201, on U.S. Highway 82, 0.5 mi east of Eupora.	6.94	---	2/27/86 4/ 8/86 5/21/86 7/ 1/86 8/12/86	1.84 1.75 .38 .21 .02
07289218 Big Bywy Ditch near Stewart, MS	Big Black River	Lat 33°25'29", Long 89°26'11", in NE¼ sec.15, T.18 N., R.8 E., Choctaw Meridian, Choctaw County, Hydrologic Unit 08060201, on county road, 1.8 mi south of Stewart.	a170	1964, 1985	6/27/86 9/ 5/86	13.2 12.6
MISSISSIPPI 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	11/ 4/85 12/31/85 2/28/86 4/10/86 5/19/86 7/ 3/86	2,110 505 484 536 4,790 239
07289582 Bear Creek at Canton, MS	Big Black River	Lat 32°36'29", Long 90°03'46", in NW¼ sec.23, T.9 N., R.2 E., Choctaw Meridian, Madison County, Hydrologic Unit 08060202, on State Highway 22, 1.0 mi west of Canton.	87.0	1952-53, 1965, 1983-85	10/30/85 5/19/86 7/ 3/86 8/15/86	382 969 1.31 2.90
COLES CREEK RIVER BASIN						
07290800 North Fork Coles Creek at Melton, MS	Coles Creek	Lat 31°46'32", Long 91°03'09", in NE¼ sec.13, T.9 N., R.2 E., Washington Meridian, Jefferson County, Hydrologic Unit 08060204, on U.S. Highway 61, 0.5 mi south of Melton.	70.0	1953-57,* 1959, 1961-63	8/30/86	3.06

See footnotes at end of table.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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Discharge measurements made at special study and miscellaneous sites during water year 1986

Discharge measurements made at special study and miscellaneous sites during water year 1986						
Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
AMITE RIVER BASIN						
07376648		Lat 31°12'17", Long 90°40'21",	86.5	1959,	8/29/86	38.5
East Fork	Amite River	in SE¼ sec.23, T.3 N., R.5		1964,		
Amite River		E., Washington Meridian, Amite		1968,		
near Thompson,		County, Hydrologic Unit		1973,		
MS		08070202, on county road, 3.0		1985		
		mi southwest of Thompson.				

- * Also a crest-stage partial-record station.
a Approximately.
b Revised.

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. The analyses are grouped by basins in a project area, therefore, the analyses of samples from sites within a given basin may be presented in separate tables.

TENNESSEE-TOMBIGBEE WATERWAY PROJECT

DATE	TIME	SAM- PLING DEPTH (FEET)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TRANS- PAR- ENCY (SECCHI DISK) (IN)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	OXYGEN, DIS- SOLVED (MG/L)
MOBILE RIVER BASIN									
343140088192235 TTW BAY SPRINGS LAKE NAVIGATION MILE 412.3 (LAT 34 31 40N LONG 088 19 22W)									
NOV 1985									
13...	1400	--	--	128	7.40	18.0	55.2	--	--
13...	1401	1.00	--	128	7.40	18.0	--	--	--
13...	1402	5.00	--	127	7.40	18.0	--	--	--
13...	1403	10.0	--	127	7.30	18.0	--	--	--
13...	1404	15.0	--	127	7.30	17.5	--	--	--
13...	1405	20.0	--	127	7.30	17.5	--	--	--
13...	1406	25.0	--	126	7.30	17.5	--	--	--
13...	1407	30.0	--	126	7.30	17.0	--	--	--
13...	1408	35.0	--	125	7.30	17.0	--	--	--
13...	1409	40.0	--	125	7.30	17.0	--	--	--
13...	1410	45.0	--	126	7.20	16.5	--	--	--
13...	1411	50.0	--	147	7.00	16.0	--	--	--
13...	1412	55.0	--	152	7.00	15.5	--	--	--
13...	1413	60.0	--	194	7.10	14.5	--	--	--
13...	1414	65.0	--	215	7.20	14.0	--	--	--
FEB 1986									
04...	1330	--	--	120	8.10	7.5	89.4	11.5	97
04...	1331	1.00	--	120	8.10	7.5	--	11.5	97
04...	1332	5.00	--	120	8.10	7.5	--	11.3	96
04...	1333	10.0	--	120	8.10	7.5	--	11.1	94
04...	1334	15.0	--	120	8.10	7.0	--	11.3	95
04...	1335	20.0	--	120	8.10	7.0	--	11.5	96
04...	1336	25.0	--	120	8.10	7.0	--	11.4	95
04...	1337	30.0	--	119	8.20	7.0	--	11.4	95
04...	1338	35.0	--	118	8.20	7.0	--	11.4	95
04...	1339	40.0	--	117	8.20	6.5	--	11.4	94
04...	1340	45.0	--	117	8.20	6.5	--	11.3	93
04...	1341	50.0	--	116	8.20	6.5	--	11.2	93
04...	1342	55.0	--	115	8.20	6.5	--	11.1	92
04...	1343	60.0	--	115	8.20	6.5	--	11.1	92
04...	1344	65.0	--	114	8.20	6.5	--	11.3	93

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

TENNESSEE-TOMBIGBEE WATERWAY PROJECT--Continued

DATE	TIME	SAM- PLING DEPTH (FEET)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TRANS- PAR- ENCY (SECCHI DISK) (IN)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
MOBILE RIVER BASIN--Continued									
343140088192235 TTW BAY SPRINGS LAKE NAVIGATION MILE 412.3 (LAT 34 31 40N LONG 088 19 22W)--Continued									
MAR 1986									
17...	1100	--	--	119	7.60	15.0	108	9.0	90
17...	1101	1.00	--	119	7.60	15.0	--	9.0	90
17...	1102	5.00	--	117	7.60	14.5	--	9.0	89
17...	1103	10.0	--	116	7.60	14.5	--	9.0	89
17...	1104	15.0	--	116	7.60	14.0	--	9.0	88
17...	1105	20.0	--	116	7.60	13.0	--	8.8	84
17...	1106	25.0	--	116	7.60	12.0	--	8.6	80
17...	1107	30.0	--	115	7.50	11.0	--	8.5	77
17...	1108	35.0	--	115	7.50	10.5	74	--	--
17...	1109	40.0	--	113	7.50	10.5	--	8.2	74
17...	1110	45.0	--	112	7.50	10.0	--	8.2	73
17...	1111	50.0	--	111	7.40	10.0	--	8.2	73
17...	1112	55.0	--	110	7.40	10.0	--	8.1	72
17...	1113	60.0	--	110	7.40	10.0	--	8.0	71
17...	1114	65.0	--	109	7.40	10.0	--	7.9	70
17...	1115	70.0	--	108	7.40	10.0	--	7.7	69
17...	1116	75.0	--	108	7.30	10.0	--	7.7	69
17...	1117	80.0	--	107	7.30	10.0	--	7.6	68
JUL									
07...	1200	--	--	134	--	31.0	134	7.5	101
07...	1201	1.00	--	134	--	31.0	--	7.5	101
07...	1202	5.00	--	134	--	30.0	--	7.6	101
07...	1203	10.0	--	134	--	29.5	--	7.6	100
07...	1204	15.0	--	133	--	29.0	--	7.4	96
07...	1205	20.0	--	132	--	28.5	--	6.3	81
07...	1206	25.0	--	132	--	27.0	--	4.1	52
07...	1207	30.0	--	130	--	24.0	--	1.0	12
07...	1208	35.0	--	127	--	19.5	--	0.6	7
07...	1209	40.0	--	127	--	17.5	--	0.5	5
07...	1210	45.0	--	129	--	15.5	--	0.5	5
07...	1211	50.0	--	128	--	15.0	--	0.5	5
07...	1212	55.0	--	127	--	14.5	--	0.5	5
07...	1213	60.0	--	136	--	13.5	--	0.5	5
07...	1214	65.0	--	145	--	13.0	--	0.5	5
07...	1215	70.0	--	147	--	13.0	--	0.4	4
07...	1216	75.0	--	146	--	12.5	--	0.4	4
07...	1217	79.0	--	146	--	12.5	--	0.5	5
02430005 TENN-TOM WATERWAY BL BAY SPRINGS LOCK & DAM, MS (LAT 34 31 24N LONG 088 19 27W)									
NOV 1985									
13...	1600	--	0.0	128	7.50	18.5	42.0	--	--
FEB 1986									
04...	1430	--	0.0	120	8.30	7.5	69.6	12.4	105
MAR									
17...	1300	--	0.0	117	7.60	15.5	108	8.9	90
JUL									
07...	1400	--	0.0	126	--	29.5	96.0	7.0	92

TENNESSEE-TOMBIGBEE WATERWAY PROJECT--Continued

DATE	TIME	SAM- PLING DEPTH (FEET)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TRANS- PAR- ENCY (SECCHI DISK) (IN)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
MOBILE RIVER BASIN--Continued									
335008088311335 TTW ABERDEEN LAKE SEDIMENTATION RANGE 1A (LAT 33 50 08N LONG 088 31 13W)									
NOV 1985									
14...	1200	--	--	124	8.10	17.5	25.2	--	--
14...	1201	1.00	--	124	8.10	17.5	--	--	--
14...	1202	5.00	--	122	8.00	17.0	--	--	--
14...	1203	10.0	--	123	7.80	16.5	--	--	--
14...	1204	15.0	--	121	7.70	16.0	--	--	--
14...	1205	20.0	--	121	7.50	15.5	--	--	--
14...	1206	23.0	--	121	7.40	15.5	--	--	--
FEB 1986									
05...	1100	--	--	113	8.10	12.0	34.2	11.7	109
05...	1101	1.00	--	113	8.10	11.5	--	11.7	108
05...	1102	5.00	--	112	8.00	11.0	--	11.9	108
05...	1103	10.0	--	111	8.00	10.5	--	11.9	107
05...	1104	15.0	--	111	7.90	10.5	--	11.8	106
05...	1105	20.0	--	111	8.00	10.0	--	11.8	105
MAR									
18...	1300	--	--	134	7.40	16.5	12.0	6.9	71
18...	1301	1.00	--	134	7.40	16.5	--	6.9	71
18...	1302	5.00	--	134	7.40	16.5	--	6.9	71
18...	1303	10.0	--	134	7.40	16.5	--	6.8	70
18...	1304	15.0	--	133	7.40	16.5	--	6.8	70
18...	1305	19.0	--	133	7.40	16.5	--	6.8	70
JUL									
08...	1330	--	--	135	8.50	33.5	26.0	9.5	133
08...	1331	1.00	--	135	8.50	33.5	--	9.5	133
08...	1332	5.00	--	134	8.50	32.5	--	9.0	124
08...	1333	10.0	--	135	7.50	31.0	--	5.7	76
08...	1334	15.0	--	136	7.30	30.0	--	3.6	47
08...	1335	19.0	--	140	7.10	30.0	--	2.3	30
02437101 TOMBIGBEE RIVER BL ABERDEEN LOCK AND DAM, MS (LAT 33 49 29N LONG 088 31 16W)									
NOV 1985									
14...	1300	--	900	122	7.90	17.0	24.0	--	--
FEB 1986									
05...	1200	--	1600	113	8.20	11.5	34.2	11.8	109
MAR									
18...	1400	--	1600	132	7.50	17.0	12.0	8.7	91
JUL									
08...	1500	--	212	137	8.70	32.0	24.0	7.2	98
02437600 JAMES CREEK AT ABERDEEN, MS (LAT 33 48 48N LONG 088 33 59W)									
NOV 1985									
12...	1400	--	0.89	556	8.30	22.5	>5.40	9.5	110
FEB 1986									
03...	1330	--	0.55	653	8.30	17.0	>3.00	11.6	121
MAR									
18...	0930	--	2.1	489	8.10	17.5	>4.56	9.7	102
JUL									
08...	1000	--	E0.03	604	8.10	30.0	>2.40	5.7	75
02439600 BUTTAHATCHEE RIVER NR KOLOLA SPRINGS, MS (LAT 33 40 24N LONG 088 25 45W)									
NOV 1985									
15...	1630	--	578	30	7.20	18.0	21.2	9.0	94
FEB 1986									
06...	0930	--	1370	30	7.10	13.5	24.0	10.0	97
MAR									
19...	0930	--	2310	22	6.10	16.5	4.80	7.4	76
JUL									
09...	1830	--	268	27	6.70	29.0	30.0	8.0	104

TENNESSEE-TOMBIGBEE WATERWAY PROJECT--Continued

DATE	TIME	SAM- PLING DEPTH (FEET)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TRANS- PAR- ENCY (SECCHI DISK) (IN)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
MOBILE RIVER BASIN--Continued									
333927088304935 TTW COLUMBUS LAKE BUTTAHATCHEE R BENDWAY 26A (LAT 33 39 27N LONG 088 30 49W)									
NOV 1985									
15...	1300	--	--	152	7.00	18.0	20.4	10.7	112
15...	1301	1.00	--	152	7.00	18.0	--	10.7	112
15...	1302	5.00	--	148	7.10	17.0	--	10.2	105
15...	1303	10.0	--	148	7.20	17.0	--	10.0	103
15...	1304	15.0	--	148	7.20	17.0	--	10.0	103
FEB 1986									
05...	1500	--	--	164	8.20	12.0	26.4	12.2	114
05...	1501	1.00	--	164	8.20	12.0	--	12.2	114
05...	1502	5.00	--	165	8.10	11.5	--	12.1	112
05...	1503	10.0	--	167	8.10	11.0	--	12.2	111
05...	1504	15.0	--	168	8.10	11.0	--	12.0	109
MAR									
20...	1300	--	--	143	7.80	16.5	6.00	8.6	87
20...	1301	1.00	--	143	7.80	16.5	--	8.6	87
20...	1302	5.00	--	143	7.80	16.5	--	8.6	87
20...	1303	10.0	--	143	7.80	16.5	--	8.6	87
20...	1304	15.0	--	143	7.90	16.5	--	8.6	87
20...	1305	18.0	--	143	7.90	16.5	--	8.6	87
JUL									
09...	0830	--	--	164	7.20	30.5	26.2	6.6	88
09...	0831	1.00	--	164	7.20	30.5	--	6.6	88
09...	0832	5.00	--	164	7.20	30.5	--	6.5	87
09...	0833	10.0	--	165	7.10	30.5	--	5.2	69
09...	0834	15.0	--	172	6.90	30.0	--	2.9	38
09...	0835	17.0	--	177	6.90	29.5	--	2.0	26
333119088291435 TTW COLUMBUS LAKE SEDIMENTATION RANGE 1A (LAT 33 31 19N LONG 088 29 14W)									
NOV 1985									
14...	1630	--	--	113	7.90	18.0	22.8	--	--
14...	1631	1.00	--	113	7.90	18.0	--	--	--
14...	1632	5.00	--	113	7.80	18.0	--	--	--
14...	1633	10.0	--	111	7.70	17.0	--	--	--
14...	1634	15.0	--	112	7.60	16.5	--	--	--
14...	1635	20.0	--	113	7.50	16.0	--	--	--
14...	1636	25.0	--	124	7.50	16.0	--	--	--
FEB 1986									
05...	1530	--	--	129	8.50	12.5	26.4	12.5	118
05...	1531	1.00	--	129	8.50	12.5	--	12.5	118
05...	1532	5.00	--	128	8.50	12.0	--	12.6	118
05...	1533	10.0	--	133	8.40	11.0	--	12.3	112
05...	1534	15.0	--	129	8.20	10.5	--	12.2	110
05...	1535	20.0	--	139	8.10	10.0	--	12.1	108
05...	1536	22.0	--	139	8.10	10.0	--	12.1	108

TENNESSEE-TOMBIGBEE WATERWAY PROJECT--Continued

DATE	TIME	SAM- PLING DEPTH (FEET)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TRANS- PAR- ENCY (SECCHI DISK) (IN)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
MOBILE RIVER BASIN--Continued									
333119088291435 TTW COLUMBUS LAKE SEDIMENTATION RANGE 1A (LAT 33 31 19N LONG 088 29 14W)--Continued									
MAR 1986									
20...	1200	--	--	135	7.70	16.0	6.00	8.2	82
20...	1201	1.00	--	135	7.70	16.0	--	8.2	82
20...	1202	5.00	--	132	7.70	16.0	--	7.9	79
20...	1203	10.0	--	133	7.70	16.0	--	7.7	77
20...	1204	15.0	--	132	7.70	16.0	--	7.7	77
20...	1205	20.0	--	133	7.70	16.0	--	7.7	77
20...	1206	25.0	--	132	7.60	16.0	--	7.6	76
20...	1207	29.0	--	132	7.60	16.0	--	7.5	75
JUL									
09...	1000	--	--	133	7.50	30.5	26.8	6.9	92
09...	1001	1.00	--	133	7.50	30.5	--	6.9	92
09...	1002	5.00	--	134	7.40	30.5	--	6.4	85
09...	1003	10.0	--	138	7.20	30.0	--	5.4	71
09...	1004	15.0	--	135	7.10	30.0	--	5.1	67
09...	1005	20.0	--	131	6.90	30.0	--	3.5	46
09...	1006	25.0	--	130	6.80	29.5	--	2.1	27
02441391 TOMBIGBEE RIVER BL COLUMBUS LOCK AND DAM, MS (LAT 33 31 04N LONG 088 29 22W)									
NOV 1985									
14...	1500	--	3220	116	7.70	17.5	18.0	--	--
FEB 1986									
05...	1630	--	6800	163	8.40	11.5	28.2	12.0	111
MAR									
20...	0930	--	20900	142	7.80	15.5	6.00	9.8	97
JUL									
09...	1130	--	854	148	7.90	31.0	24.2	7.3	98

Stations for short-term water-quality studies were established on selected stream reaches and estuaries to collect water-quality data systematically over a short-term period for use in hydrologic analysis. Data for estuary studies generally are collected once or twice daily at near high and near low tides.

PASCAGOULA RIVER BASIN

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS

WATER QUALITY DATA, AUGUST 1986

02479340

- PASCAGOULA RIVER AT MI 17.3 NR COLL TOWN, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG						
13...	1737	1.00	135	7.10	30.0	6.8
13...	1738	5.00	134	7.00	30.0	6.0
13...	1739	10.0	133	6.90	30.0	5.8
13...	1740	15.0	134	6.90	30.0	5.8
13...	1741	20.0	133	6.90	30.0	5.7
13...	1742	22.0	133	6.90	30.0	5.7
14...	1001	1.00	159	7.10	29.5	6.8
14...	1002	5.00	140	7.00	29.5	5.7
14...	1003	10.0	140	7.10	29.5	5.7
14...	1004	15.0	139	7.20	29.5	5.7
14...	1005	20.0	139	7.20	29.5	5.6
14...	1006	25.0	139	7.10	29.5	5.7
14...	1007	30.0	138	7.10	29.5	5.7

DATE	TIME	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS PER 100 ML)
AUG			
13...	1736	180	K55
14...	1000	140	K30

303048088355800 - PASCAGOULA RIVER AT MI 17

02479340

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG						
13...	1728	1.00	184	7.20	29.5	6.4
13...	1729	5.00	181	7.10	30.0	5.8
13...	1730	10.0	188	7.00	30.0	5.7
13...	1731	15.0	204	7.00	30.0	5.6
13...	1732	20.0	219	7.00	30.0	5.6
13...	1733	21.0	219	7.00	30.0	5.6
14...	0952	1.00	140	7.80	29.5	6.6
14...	0953	5.00	142	7.50	30.0	5.9
14...	0954	10.0	152	7.40	29.5	5.8
14...	0955	15.0	178	7.30	29.5	5.7

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

303044088353000 - PASCAGOULA RIVER AT MI 16

02479340

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG						
13...	1720	1.00	690	7.20	29.5	5.8
13...	1721	5.00	680	7.00	30.0	5.6
13...	1722	10.0	690	6.90	30.0	5.5
13...	1723	15.0	799	6.90	30.0	5.4
13...	1724	20.0	945	6.90	30.0	5.3
13...	1725	23.0	945	6.90	30.0	5.3
14...	0945	1.00	191	7.70	30.0	6.6
14...	0946	5.00	280	7.40	30.0	5.9
14...	0947	10.0	364	7.30	30.0	5.7
14...	0948	15.0	524	7.20	30.0	5.6

303018088351800 - PASCAGOULA RIVER AT MI 15

02479340

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG						
13...	1712	1.00	1940	7.10	30.0	6.0
13...	1713	5.00	2070	7.00	30.0	5.4
13...	1714	10.0	2130	7.00	30.0	5.2
13...	1715	15.0	2200	6.90	30.0	5.2
14...	0938	1.00	879	7.60	29.5	6.6
14...	0939	5.00	1090	7.30	30.0	5.8
14...	0940	10.0	1280	7.20	30.0	5.7
14...	0941	15.0	20100	6.80	30.0	1.9
14...	0942	20.0	34700	7.10	29.5	0.5

302954088344000 - PASCAGOULA RIVER AT MI 14

02479340

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG						
13...	1705	1.00	3390	7.40	30.0	5.6
13...	1706	5.00	3410	7.20	30.0	5.1
13...	1707	10.0	3430	7.10	30.0	5.1
13...	1708	15.0	3520	7.00	30.0	5.0
14...	0930	1.00	1420	7.50	29.5	6.2
14...	0931	5.00	1510	7.30	29.5	5.6
14...	0932	10.0	6980	6.90	29.5	3.0
14...	0933	15.0	36600	7.10	29.5	0.6

02479341

- PASCAGOULA RIVER AT MI 13 NR COLL TOWN, MS

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG						
13...	1700	1.00	5880	7.40	30.0	5.4
13...	1701	5.00	6100	7.10	30.0	4.8
13...	1702	10.0	6040	7.10	30.0	4.7
13...	1703	15.0	34700	7.20	29.5	0.2
14...	0925	1.00	1920	7.70	29.5	6.4
14...	0926	5.00	1970	7.40	29.5	5.7
14...	0927	10.0	6500	7.00	29.5	4.3
14...	0928	15.0	34100	7.10	29.5	0.6

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

02479342

- PASCAGOULA RIVER AT MI 12 NR COLL TOWN, MS

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG						
13...	1650	1.00	9190	7.30	30.0	4.7
13...	1651	5.00	9200	7.20	30.0	4.5
13...	1652	10.0	10000	7.10	30.0	4.3
13...	1653	15.0	36200	7.20	30.0	0.4
13...	1654	20.0	38100	7.40	29.5	0.2
13...	1655	25.0	39600	7.40	30.0	0.2
13...	1656	30.0	40100	7.50	29.5	0.2
14...	0915	1.00	3250	7.40	29.5	5.7
14...	0916	5.00	3600	7.20	29.5	5.3
14...	0917	10.0	26900	7.00	29.5	0.8
14...	0918	15.0	36900	7.30	29.5	0
14...	0919	20.0	38700	7.40	29.5	0
14...	0920	25.0	40200	7.50	29.5	0
14...	0921	30.0	40700	7.50	29.5	0
14...	0922	35.0	41100	7.60	29.5	0

302822088332500 - PASCAGOULA RIVER AT MI 11

02479342

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG						
13...	1640	1.00	9940	7.30	30.0	5.0
13...	1641	5.00	9940	7.20	30.0	4.6
13...	1642	10.0	17900	7.10	30.0	3.0
13...	1643	15.0	37000	7.10	30.0	0.5
13...	1644	20.0	40500	7.40	29.5	0.2
13...	1645	25.0	41700	7.50	29.5	0.1
13...	1646	30.0	41800	7.50	29.5	0.2
13...	1647	31.0	41800	7.50	29.5	0.2
14...	0906	1.00	4170	7.30	29.0	5.7
14...	0907	5.00	4530	7.20	29.5	5.4
14...	0908	10.0	27200	7.00	29.5	1.5
14...	0909	15.0	36200	7.30	29.5	0.4
14...	0910	20.0	39700	7.40	29.5	0
14...	0911	25.0	40900	7.50	29.5	0
14...	0912	30.0	41100	7.50	29.5	0
14...	0913	35.0	41900	7.60	29.5	0

302725088333700 - PASCAGOULA RIVER AT MI 10

02479342

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG						
13...	1630	1.00	9820	7.40	30.0	5.9
13...	1631	5.00	10100	7.30	30.5	4.9
13...	1632	10.0	17900	7.10	30.0	3.1
13...	1633	15.0	38500	7.20	30.0	0.5
13...	1634	20.0	41900	7.50	29.5	0.3
13...	1635	21.0	41900	7.50	29.5	0.3
14...	0900	1.00	6350	7.30	29.0	5.9
14...	0901	5.00	8860	7.20	29.0	5.1
14...	0902	10.0	26100	7.20	29.5	2.2
14...	0903	15.0	35500	7.40	29.5	1.0
14...	0904	20.0	41200	7.50	29.5	0.4

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

302648088340600 - PASCAGOULA RIVER AT MI 9

02479342

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG						
13...	1620	1.00	8500	7.50	30.0	6.4
13...	1621	5.00	8850	7.30	30.5	5.2
13...	1622	10.0	22900	7.10	30.0	0.9
13...	1623	15.0	38100	7.30	30.0	0.3
13...	1624	20.0	42500	7.50	29.5	0.2
13...	1625	25.0	43400	7.50	29.5	0.2
13...	1626	30.0	45100	7.60	29.5	0.2
14...	0850	1.00	10100	7.40	29.0	5.9
14...	0851	5.00	11400	7.20	29.0	5.0
14...	0852	10.0	20800	7.10	29.5	3.3
14...	0853	15.0	34300	7.30	29.5	1.7
14...	0854	18.0	34300	7.30	29.5	1.7

02479343

- PASCAGOULA RIVER AT MI 8 NR ESCATAWPA, MS

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG						
13...	1611	1.00	8430	7.40	30.0	6.3
13...	1612	5.00	8490	7.30	30.0	5.7
13...	1613	10.0	11100	7.10	30.0	4.0
13...	1614	15.0	40300	7.30	30.0	0.5
13...	1615	20.0	42700	7.50	29.5	0.3
13...	1616	25.0	44000	7.60	29.5	0.4
13...	1617	27.0	44000	7.60	29.5	0.4
14...	0841	1.00	11300	7.30	29.0	5.9
14...	0842	5.00	14700	7.20	29.0	4.5
14...	0843	10.0	34400	7.40	29.5	2.0
14...	0844	15.0	41600	7.70	29.5	2.0
14...	0845	20.0	43400	7.70	29.5	1.2
14...	0846	25.0	43800	7.70	29.5	1.4
14...	0847	30.0	44500	7.70	29.5	1.5

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
AUG												
13...	1610	--	K130	1400	0.02	<0.10	0.41	0.39	0.8	0.31	0.07	10
14...	0840	1.6	540	3200	0.02	<0.10	0.31	0.29	0.6	0.13	0.07	4.4

302526088333600 - PASCAGOULA RIVER AT MI 7

02479343

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG						
13...	1555	1.00	9200	7.30	29.0	5.7
13...	1556	5.00	11600	7.20	29.5	4.7
13...	1557	10.0	29000	7.10	30.0	1.6
13...	1558	15.0	41200	7.40	29.5	0.5
13...	1559	20.0	44000	7.50	29.5	0.2
13...	1600	22.0	44000	7.50	29.5	0.2
14...	0830	1.00	12400	7.40	29.0	6.2
14...	0831	5.00	14200	7.30	29.0	5.5
14...	0832	10.0	29200	7.50	29.0	4.2
14...	0833	15.0	40100	7.80	29.5	3.3
14...	0834	20.0	45900	7.80	29.5	2.4
14...	0835	25.0	46300	7.80	29.0	2.1

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

302628088271000 - ESCATAWPA RIVER AT MI 11

02480180

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG						
13...	2011	1.00	37	7.80	26.5	6.2
13...	2012	5.00	31	7.30	27.0	5.7
13...	2013	10.0	31	7.10	26.5	5.5
13...	2014	15.0	63	6.70	26.5	5.4
14...	1241	1.00	48	6.70	27.5	6.6
14...	1242	5.00	42	6.60	27.0	5.4
14...	1243	10.0	45	6.50	27.0	5.3
14...	1244	15.0	43	6.40	27.0	5.2

DATE	TIME	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCOI FECAL, KF AGAR (COLS. PER 100 ML)
AUG			
13...	2010	K17	K3
14...	1240	K10	K12

02480182

- ESCATAWPA RIVER AT MI 10 NR MOSS POINT, MS.

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG						
13...	2005	1.00	411	7.10	27.0	5.7
13...	2006	5.00	445	6.90	26.5	5.6
13...	2007	10.0	480	6.70	26.5	5.5
13...	2008	15.0	796	6.50	26.5	5.4
14...	1232	1.00	450	7.10	27.5	6.0
14...	1233	5.00	650	6.90	27.5	5.4
14...	1234	10.0	800	6.60	27.0	5.3
14...	1235	15.0	1090	6.50	27.0	5.3

02480183

- ESCATAWPA RIVER AT MI 9 NR MOSS POINT, MS

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG						
13...	1955	1.00	1950	7.50	27.5	5.6
13...	1956	5.00	1990	7.20	27.5	5.5
13...	1957	10.0	2030	7.00	27.5	5.2
13...	1958	15.0	2640	7.00	27.5	5.2
13...	1959	20.0	3730	6.70	27.5	5.0
13...	2000	25.0	32400	6.90	29.0	0
14...	1225	1.00	2900	7.20	27.5	6.1
14...	1226	5.00	3450	7.10	27.5	5.3
14...	1227	10.0	3890	6.90	27.5	5.0
14...	1228	15.0	3830	7.00	27.5	4.8
14...	1229	20.0	24900	6.80	28.0	1.0

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

02480184

- ESCATAWPA RIVER AT MI 8 NR MOSS POINT, MS

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG						
13...	1945	1.00	3640	7.50	27.5	5.7
13...	1946	5.00	3650	7.20	27.5	5.3
13...	1947	10.0	3680	7.00	27.5	5.2
13...	1948	15.0	4670	6.80	27.5	4.9
14...	1215	1.00	5540	7.20	28.0	5.8
14...	1216	5.00	5760	7.10	28.0	5.0
14...	1217	10.0	6210	7.00	28.0	4.7
14...	1218	15.0	25000	6.80	28.0	1.0

302541088290100 - ESCATAWPA RIVER AT MI 7

02480205

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG						
13...	1931	1.00	5900	7.30	28.0	5.7
13...	1932	5.00	5890	7.10	28.0	5.3
13...	1933	10.0	5920	7.00	28.0	5.1
13...	1934	15.0	9900	6.60	28.0	2.0
13...	1935	20.0	35400	7.10	29.0	0.3
13...	1936	25.0	36900	7.20	29.5	0.2
13...	1937	30.0	37400	7.30	29.5	0.1
13...	1938	38.0	--	--	--	--
14...	1156	1.00	7650	7.10	28.0	5.3
14...	1157	5.00	7750	7.10	28.0	4.7
14...	1158	10.0	7780	7.00	28.0	4.5
14...	1159	15.0	18400	6.90	28.5	2.7
14...	1200	20.0	31100	7.00	28.5	0.6
14...	1201	25.0	34100	7.10	29.0	0.2
14...	1202	30.0	34800	7.20	29.5	0.2
14...	1203	35.0	37300	7.30	29.5	0

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
AUG												
13...	1930	--	210	940	0.02	0.10	0.37	0.23	0.6	0.09	0.06	3.6
14...	1155	1.9	K340	1500	0.02	<0.10	0.40	0.4	0.8	0.13	0.06	4.3

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

302512088292200 - ESCATAWPA RIVER AT MI 6

02480205

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG						
13...	1924	1.00	8280	7.40	28.0	5.5
13...	1925	5.00	8340	7.20	28.0	5.0
13...	1926	10.0	8450	7.10	28.5	4.7
13...	1927	15.0	33400	7.10	28.5	0.8
13...	1928	17.0	33400	7.10	28.5	0.8
14...	1145	1.00	10900	7.20	28.5	5.1
14...	1146	5.00	12300	7.20	28.5	4.1
14...	1147	10.0	14600	7.10	28.5	3.2
14...	1148	15.0	26300	7.10	29.0	1.0
14...	1149	20.0	35400	7.30	29.5	0

302515088301300 - ESCATAWPA RIVER AT MI 5

02480205

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG						
13...	1916	1.00	10000	7.40	28.5	5.2
13...	1917	5.00	10100	7.20	28.5	4.8
13...	1918	10.0	10000	7.10	28.5	4.5
13...	1919	15.0	27100	7.00	28.5	0.7
13...	1920	20.0	39400	7.40	29.5	0
13...	1921	25.0	42400	7.50	29.5	0
13...	1922	30.0	42800	7.50	29.5	0
13...	1923	32.0	42800	7.50	29.5	0
14...	1139	1.00	11500	7.20	28.5	5.1
14...	1140	5.00	13200	7.10	28.5	4.1
14...	1141	10.0	23300	7.10	28.5	1.7
14...	1142	15.0	31400	7.20	29.0	0.6
14...	1143	20.0	38500	7.30	28.5	0.2

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
AUG										
13...	1915	--	0.02	<0.10	0.41	0.59	1.0	0.19	0.05	8.2
14...	1138	1.7	0.02	<0.10	0.45	0.35	0.8	0.14	0.08	4.2

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

302528088304400 - ESCATAWPA RIVER AT MI 4

02480205

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG						
13...	1907	1.00	10900	7.30	28.5	5.1
13...	1908	5.00	11200	7.20	28.5	4.5
13...	1909	10.0	12100	7.10	28.5	4.0
13...	1910	15.0	34300	7.20	29.0	0.5
13...	1911	20.0	40200	7.40	29.5	0.2
13...	1912	25.0	42700	7.50	29.5	0.1
13...	1913	27.0	42700	7.50	29.5	0.1
14...	1130	1.00	13200	7.20	29.0	4.8
14...	1131	5.00	13700	7.10	29.0	4.2
14...	1132	10.0	23200	7.10	29.0	1.8
14...	1133	15.0	33000	7.10	29.0	0
14...	1134	20.0	38900	7.30	29.5	0
14...	1135	25.0	41100	7.40	29.5	0

302455088313100 - ESCATAWPA RIVER AT MI 3

02480206

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG						
13...	1901	1.00	12400	7.50	29.0	5.2
13...	1902	5.00	13400	7.30	29.0	4.2
13...	1903	10.0	15900	7.20	29.0	3.4
13...	1904	15.0	30100	7.10	29.5	0.5
13...	1905	20.0	44000	7.50	29.5	0.2
13...	1906	22.0	44000	7.50	29.5	0.2
14...	1122	1.00	15800	7.20	29.0	4.4
14...	1123	5.00	20000	7.20	29.0	2.0
14...	1124	10.0	30800	7.20	29.0	0.8
14...	1125	15.0	39200	7.40	29.5	0
14...	1126	20.0	42100	7.50	29.5	0
14...	1127	25.0	44000	7.60	29.5	0

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
AUG										
13...	1900	--	0.02	<0.10	0.45	0.25	0.7	0.13	0.08	4.2
14...	1121	1.5	0.02	<0.10	0.54	0.16	0.7	0.13	0.11	4.0

302459088320800 - ESCATAWPA RIVER AT MI 2

02480206

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG						
13...	1846	1.00	13700	7.60	30.0	7.0
13...	1847	5.00	14900	7.30	30.0	4.0
13...	1848	10.0	18600	7.20	29.5	2.4
13...	1849	15.0	34400	7.20	29.5	0.6
13...	1850	20.0	44000	7.50	29.5	0.2
13...	1851	25.0	45200	7.60	29.5	0.2
13...	1852	30.0	45500	7.60	29.5	0.2
14...	1101	1.00	13700	7.40	29.5	5.6
14...	1102	5.00	17200	7.20	29.5	2.5
14...	1103	10.0	26400	7.10	29.5	0.7
14...	1104	15.0	36400	7.30	29.5	0.6
14...	1105	20.0	42200	7.50	29.5	0

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

02480207 - ESCATAWPA RIVER AT MOSS POINT, MS

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG						
13...	1826	1.00	15200	7.50	30.0	6.1
13...	1827	5.00	14500	7.40	30.0	4.5
13...	1828	10.0	19500	7.20	29.5	1.9
13...	1829	15.0	35900	7.30	29.5	0.3
13...	1830	20.0	44300	7.60	29.5	0.2
14...	1046	1.00	14900	7.40	29.0	4.9
14...	1047	5.00	20000	7.20	29.5	2.5
14...	1048	10.0	25000	7.20	29.5	2.2
14...	1049	15.0	36800	7.30	29.5	0.7
14...	1050	20.0	42600	7.50	29.5	0.5
14...	1051	25.0	43200	7.60	29.5	0.5

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI KF AGAR (COLS. PER 100 ML)	NITRO- GEN, NITRITE (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
AUG												
13...	1825	--	K140	910	0.02	<0.10	0.45	0.25	0.7	0.14	0.09	4.3
14...	1045	1.3	K67	5400	0.02	<0.10	0.39	0.41	0.8	0.10	0.07	3.8

DATE	TIME	TUR- BID- ITY (NTU)	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
AUG 13...	1825	1.7	3900	250	790	5800	75	260	1900	13000	21600

DATE	TIME	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	ARSENIC TOTAL (UG/L AS AS)	BERYL- LIUM, RECOV- ERABLE (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
AUG												
13...	23		1	10	<1	20	6	5	<0.1	4	<1	120

02480208 - ESCATAWPA RIVER AT MI 0 NR ESCATAWPA, MS

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG						
13...	1815	1.00	13800	7.30	30.0	7.3
13...	1816	5.00	18000	7.10	30.0	2.7
13...	1817	10.0	29600	7.10	29.5	0.6
13...	1818	15.0	41200	7.40	29.5	0.2
13...	1819	20.0	43700	7.60	29.5	0.2
13...	1820	25.0	44200	7.60	29.5	0.2
13...	1821	30.0	44200	7.60	29.0	0.2
14...	1035	1.00	16500	7.40	29.0	5.6
14...	1036	5.00	20400	7.30	29.5	3.7
14...	1037	10.0	30200	7.30	29.5	2.3
14...	1038	15.0	36000	7.50	29.5	1.9
14...	1039	20.0	40900	7.70	29.5	1.9

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

302507088342800 - PASCAGOULA RIVER AT MI 6

02480208

		DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)		
AUG										
		13...	1541	1.00	13700	7.30	30.0	6.3		
		13...	1542	5.00	13300	7.30	29.5	5.9		
		13...	1543	10.0	31100	7.20	29.5	1.2		
		13...	1544	12.0	31100	7.20	29.5	1.2		
		14...	0806	1.00	14900	7.60	29.0	6.3		
		14...	0807	5.00	31200	7.70	29.0	4.6		
		14...	0808	10.0	42000	7.90	29.5	3.6		
DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
AUG										
13...	1540	--	0.02	<0.10	0.44	0.36	0.8	0.25	0.07	7.9
14...	0805	1.7	0.02	<0.10	0.31	0.0	0.3	0.09	0.05	3.7

302430088350400 - PASCAGOULA RIVER AT MI 5

02480208

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG						
13...	1530	1.00	18100	7.60	30.0	6.2
13...	1531	5.00	20100	7.60	30.5	6.3
13...	1532	10.0	35000	7.40	30.0	2.7
13...	1533	15.0	42900	7.60	29.5	1.3
14...	0800	1.00	24500	7.60	29.0	5.9
14...	0801	5.00	31900	7.80	29.5	5.0
14...	0802	10.0	38700	7.90	29.5	4.7
14...	0803	15.0	48000	8.00	29.5	4.0

302345088343800 - PASCAGOULA RIVER AT MI 4

02480208

		SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)				
DATE	TIME									
AUG										
13...	1516	1.00	19000	7.50	30.5	5.4				
13...	1517	5.00	23000	7.50	30.5	4.5				
13...	1518	10.0	30700	7.50	30.5	2.6				
13...	1519	15.0	42000	7.60	30.0	1.4				
13...	1520	20.0	44300	7.70	29.5	1.3				
13...	1521	25.0	45400	7.80	29.5	1.5				
14...	0746	1.00	28100	7.70	29.0	6.5				
14...	0747	5.00	32000	7.80	29.0	5.6				
14...	0748	10.0	45400	8.00	29.5	5.3				
14...	0749	15.0	48100	8.00	29.5	5.0				
14...	0750	20.0	48700	8.00	29.5	4.6				
14...	0751	25.0	48900	8.00	29.5	4.3				
14...	0752	29.0	49100	8.00	29.5	4.0				
DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
AUG										
13...	1515	--	0.02	<0.10	0.41	0.0	0.4	0.12	0.07	5.0
14...	0745	2.2	0.02	<0.10	0.39	0.21	0.6	0.07	0.05	2.8

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

302319088335400 - PASCAGOULA RIVER AT MI 3

02480209

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG						
13...	1455	1.00	21000	7.20	31.0	6.4
13...	1456	5.00	24800	7.50	31.0	5.8
13...	1457	10.0	34700	7.60	30.5	4.1
13...	1458	15.0	43500	7.80	30.0	3.0
13...	1459	20.0	45300	7.80	29.5	2.7
13...	1500	25.0	45700	7.80	29.5	2.2
13...	1501	30.0	45800	7.90	29.5	2.2
13...	1502	35.0	46100	7.90	29.5	2.1
13...	1503	40.0	46300	7.90	29.5	2.1
14...	0735	1.00	32000	7.90	28.5	6.7
14...	0736	5.00	39700	7.90	29.0	5.5
14...	0737	10.0	40400	8.00	29.0	5.2
14...	0738	15.0	46100	8.00	29.5	5.1
14...	0739	20.0	48600	8.00	29.5	5.3
14...	0740	25.0	49000	8.10	29.5	5.2
14...	0741	30.0	49200	8.00	29.5	5.0
14...	0742	35.0	49200	8.00	29.5	4.7
14...	0743	40.0	49300	8.00	29.5	4.7
14...	0744	45.0	49300	8.00	29.5	4.6

02480210

- PASCAGOULA RIVER AT HWY 90 AT PASCAGOULA, MS

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG						
13...	1431	1.00	29400	7.90	30.5	5.7
13...	1432	5.00	29900	7.90	30.5	5.4
13...	1433	10.0	32400	7.90	30.5	4.7
13...	1434	15.0	41700	7.90	30.0	3.2
13...	1435	20.0	46200	8.00	29.5	2.6
14...	0721	1.00	42800	8.10	29.0	6.3
14...	0722	5.00	43600	8.10	29.5	5.5
14...	0723	10.0	45400	8.10	29.5	5.1
14...	0724	15.0	48800	8.10	29.5	4.9
14...	0725	20.0	49400	8.10	29.5	4.7
14...	0726	25.0	50000	8.10	29.5	4.4
14...	0727	28.0	50000	8.10	29.5	4.4

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML)	STREP- TOCOCCI KF AGAR (COLS. PER 100 ML)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
AUG												
13...	1430	--	92	2100	0.02	<0.10	0.40	0.4	0.8	0.09	0.06	5.6
14...	0720	1.9	260	2900	0.02	<0.10	0.40	0.0	0.4	0.07	0.05	4.3

DATE	TIME	TUR- BID- ITY (NTU)	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
AUG											
13...	1430	5.5	4800	310	970	7500	76	320	2300	17000	28200

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	ARSENIC TOTAL (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
AUG											
13...	30	2	10	2	20	9	12	0.2	3	<1	70

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

02480212

- PASCAGOULA RIVER AT MI 1 AT PASCAGOULA, MS

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG						
13...	1420	1.00	32800	8.40	30.5	6.2
13...	1421	5.00	33800	8.40	30.5	2.6
13...	1422	10.0	37100	8.40	30.5	4.9
13...	1423	15.0	47600	8.40	30.0	3.7
13...	1424	20.0	48100	8.40	30.0	3.6
13...	1425	25.0	48900	8.40	30.0	3.7
13...	1426	30.0	49900	8.40	30.0	4.0
13...	1427	35.0	50200	8.30	30.0	3.5
13...	1428	40.0	50300	8.30	30.0	3.2
14...	0710	1.00	42600	8.00	29.5	6.1
14...	0711	5.00	45000	8.10	29.5	5.8
14...	0712	10.0	47300	8.10	29.5	6.2
14...	0713	15.0	49200	8.10	30.0	6.3
14...	0714	20.0	49500	8.10	30.0	6.2
14...	0715	25.0	50000	8.10	29.5	5.1
14...	0716	30.0	50200	8.00	29.5	4.8
14...	0717	35.0	50400	8.00	29.5	3.7
14...	0718	40.0	50700	7.90	29.5	2.2
14...	0719	42.0	50700	7.90	29.5	2.2

02480215

- PASCAGOULA RIVER AT MI 0 AT PASCAGOULA, MS

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG						
13...	1401	1.00	35800	8.40	31.0	5.5
13...	1402	5.00	39500	8.30	30.5	5.0
13...	1403	10.0	42000	8.20	30.5	4.4
13...	1404	15.0	46900	8.10	30.5	4.1
13...	1405	20.0	48400	7.80	30.5	3.9
13...	1406	25.0	49100	7.60	30.5	3.4
13...	1407	30.0	49400	7.50	30.0	3.4
13...	1408	35.0	49700	7.30	30.0	3.2
13...	1409	40.0	50000	7.10	30.0	2.4
14...	0651	1.00	43400	8.00	29.0	7.0
14...	0652	5.00	46700	8.10	29.5	6.5
14...	0653	10.0	47800	8.10	30.0	6.0
14...	0654	15.0	48800	8.10	29.5	5.4
14...	0655	20.0	49200	8.10	29.5	5.8
14...	0656	25.0	49900	8.10	29.5	5.7
14...	0657	30.0	50200	8.00	29.5	4.4
14...	0658	35.0	50400	8.00	29.0	3.6
14...	0659	40.0	50600	8.00	29.0	3.0
14...	0700	45.0	50600	7.90	29.0	2.5

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
AUG										
13...	1400	--	0.01	<0.10	0.54	0.46	1.0	0.07	0.04	4.1
14...	0650	1.3	0.01	<0.10	0.38	0.02	0.4	0.07	0.05	2.4

GROUND-WATER LEVELS

201

ADAMS COUNTY

313330091223702. Local number, C002.

LOCATION.--Lat 31°33'30", long 91°22'37", Hydrologic Unit 08060204, Irregular sec.16, T.7 N., R.3 W., at city water treatment plant on Brenham Avenue.

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.

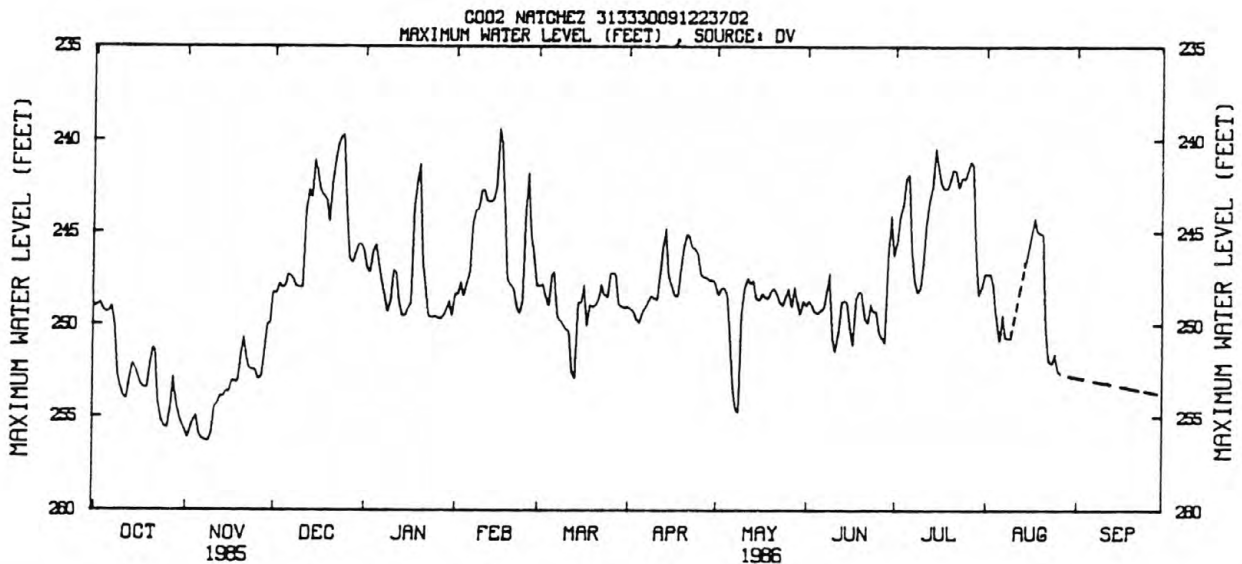
PERIOD OF RECORD.--August 1940, September 1955, June 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 188.23 ft below land-surface datum, Aug. 5, 1940; lowest measured, 272.72 ft below land-surface datum, Jan. 23, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	249.34	254.95	247.96	245.63	247.68	248.97	249.89	248.37	249.40	242.09	249.51	
10	253.45	255.87	247.99	248.70	242.73	250.01	248.57	249.36	250.67	248.00	250.72	
15	252.34	253.66	241.08	249.49	242.45	248.80	247.36	248.60	248.82	240.45	246.60	
20	252.18	251.63	244.42	241.31	247.82	249.03	245.79	248.18	248.23	242.21	245.09	
25	255.56	252.48	239.72	249.53	243.82	248.54	246.13	248.47	249.28	242.13	251.55	
EOM	255.34	249.93	245.67	249.51	246.08	249.08	247.59	248.69	244.10	247.91	---	

WTR YR 1986 HIGH 239.40 FEB 16 LOW 255.61 OCT 27



GROUND-WATER LEVELS

ADAMS COUNTY--Continued

313256091214201. Local number, C067 (Formerly D10).

LOCATION.--Lat 31°32'56", long 91°21'42", Hydrologic Unit 08060204, NW¼NW¼ Lot 87, T.7 N., R.2 W., 2 mi east of center of Natchez on Liberty Road.

Owner: Johns Manville Co.

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.

12 in, depth 436 ft, cased to 392 ft.

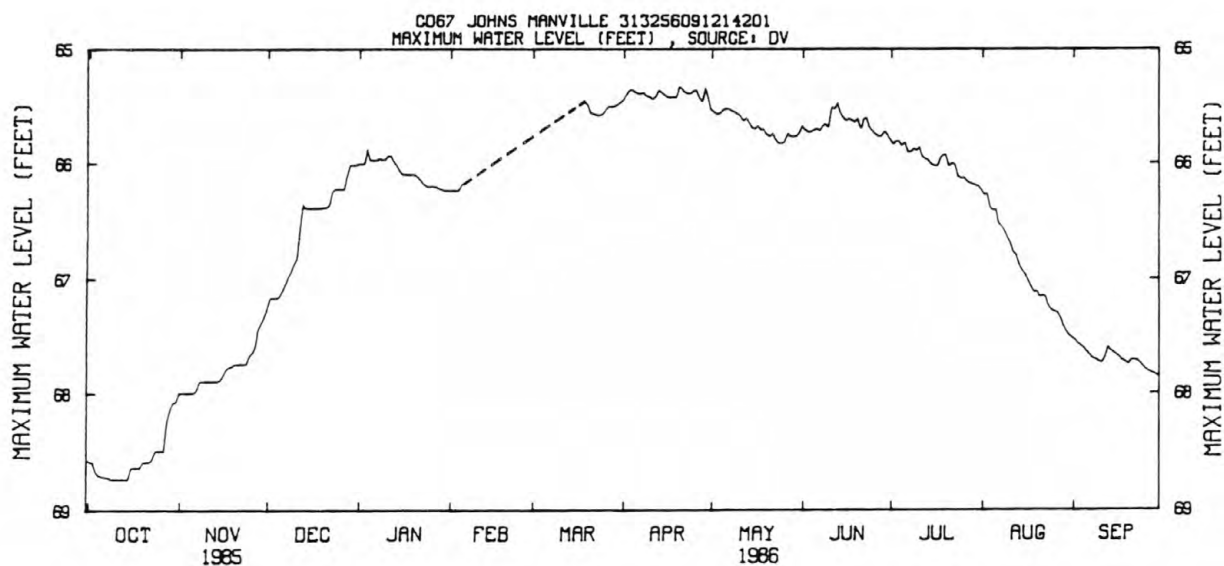
DATUM.--Land-surface datum is 116.92 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--April 1961 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 58.62 ft below land-surface datum, Mar. 31, 1962; lowest measured, 80.18 ft below land-surface datum, July 25, 1963.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	68.70	67.99	67.15	65.97	66.17	---	65.37	65.52	65.70	65.84	66.41	67.60
10	68.73	67.89	66.87	65.96	---	---	65.41	65.56	65.68	65.89	66.65	67.72
15	68.73	67.88	66.39	66.06	---	---	65.39	65.68	65.59	66.01	66.93	67.64
20	68.58	67.74	66.38	66.09	---	65.48	65.32	65.74	65.60	65.92	67.10	67.74
25	68.49	67.67	66.22	66.20	---	65.56	65.36	65.82	65.71	66.13	67.27	67.76
EOM	68.07	67.32	66.01	66.23	---	65.46	65.40	65.73	65.74	66.20	67.49	67.85
WTR YR 1986	HIGH	65.32	APR 20	LOW	68.73	OCT 9						



GROUND-WATER LEVELS

203

ADAMS COUNTY--Continued

313605091202201 (Formerly 313554091201201). Local number, D001.

LOCATION.--Lat 31°36'05", long 91°20'22", Hydrologic Unit 08060204, sec.12, T.7 N., R.2 W., 5 mi northeast of center of Natchez at power plant.

Owner: Mississippi Power and Light Co.

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, 1.50 ft above land-surface datum.

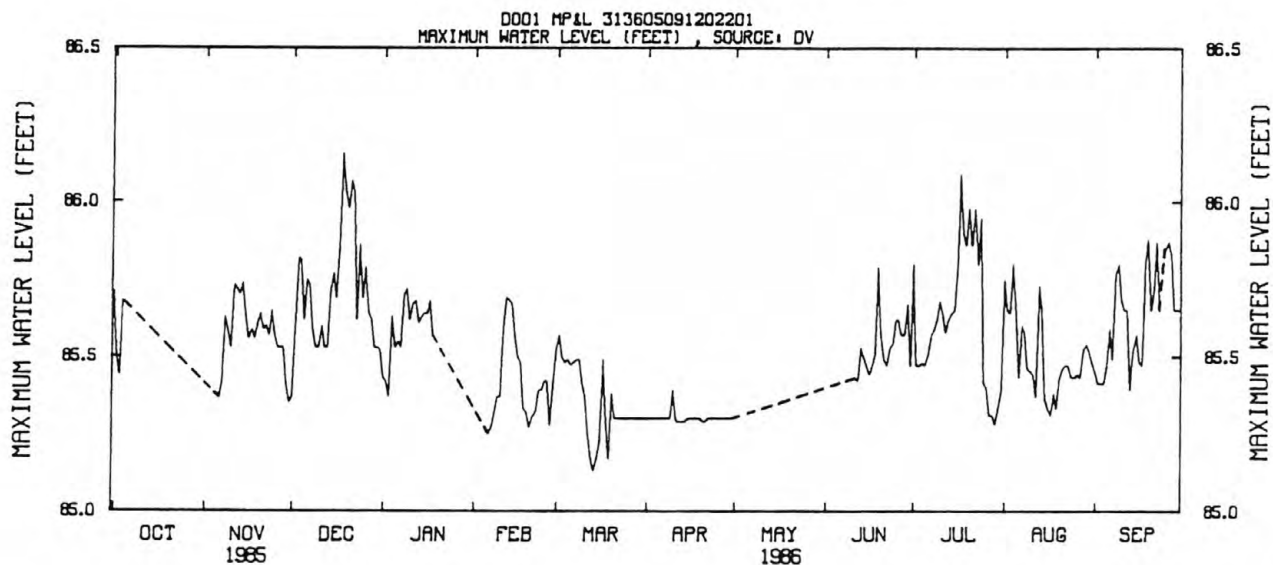
PERIOD OF RECORD.--June 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 80.30 ft below land-surface datum, Oct. 8, 1981; lowest measured, 102.97 ft below land-surface datum, Aug. 30, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	85.62	85.53	---	85.49	85.30	---	---	85.47	85.67	85.47
10	---	85.53	85.53	85.62	85.37	85.41	85.39	---	---	85.68	85.45	85.68
15	---	85.64	85.77	85.64	85.57	85.17	85.30	---	85.47	85.65	85.36	85.57
20	---	85.64	85.98	---	85.27	85.38	85.29	---	85.58	85.98	85.43	85.65
25	---	85.58	85.69	---	85.42	85.30	85.30	---	85.62	85.41	85.43	85.85
EOM	---	85.35	85.52	---	85.40	85.30	85.30	---	85.47	85.39	85.48	85.65

WTR YR 1986 HIGH 85.13 MAR 14 LOW 86.09 JUL 21



GROUND-WATER LEVELS

ALCORN COUNTY

345456088313001. Local number, G057.

LOCATION.--Lat 34°54'56", long 88°31'30", Hydrologic Unit 08010207, NW¼NW¼ sec.13, T.2 S., R.7 E., 1 mi south of center of Corinth.

Owner: City of Corinth.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 453 ft, cased to 410 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is about 463 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

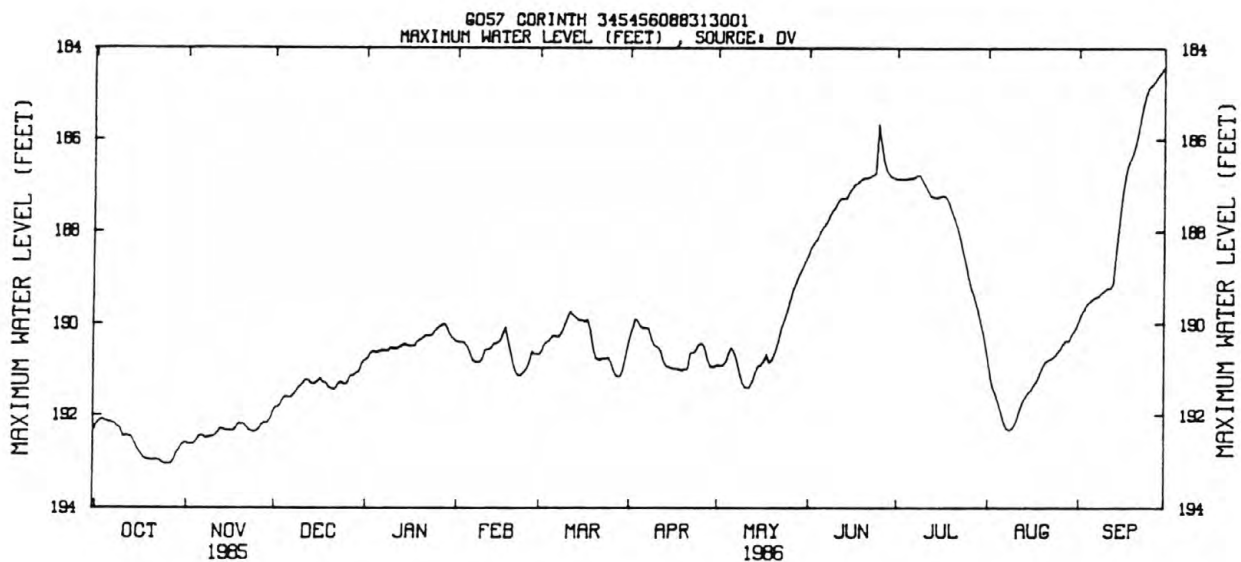
PERIOD OF RECORD.--August 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 100.9 ft below land-surface datum, Oct. 17, 1962; lowest measured, 224.4 ft below land-surface datum, Sept. 22, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	192.12	192.52	191.59	190.63	190.50	190.35	190.05	190.63	188.04	186.85	191.70	189.50
10	192.28	192.46	191.38	190.52	190.77	190.02	190.48	191.32	187.49	186.88	192.26	189.26
15	192.59	192.33	191.33	190.45	190.41	189.92	190.95	190.92	187.13	187.26	191.51	187.78
20	192.97	192.19	191.42	190.35	190.66	190.55	190.99	190.77	186.83	187.54	190.93	186.21
25	193.05	192.36	191.34	190.14	190.99	190.73	190.43	189.72	185.63	188.71	190.62	184.81
EOM	192.61	192.08	190.86	190.31	190.66	190.67	190.95	188.65	186.83	190.24	190.12	184.41

WTR YR 1986 HIGH 184.41 SEP 30 LOW 193.05 OCT 25



GROUND-WATER LEVELS

205

CHOCTAW COUNTY

331849089105101. Local number, H001.

LOCATION.--Lat 33°18'49", long 89°10'51", Hydrologic Unit 03180001, NE¼NE¼ sec.30, T.17 N., R.11 E., 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 about 518 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.50 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

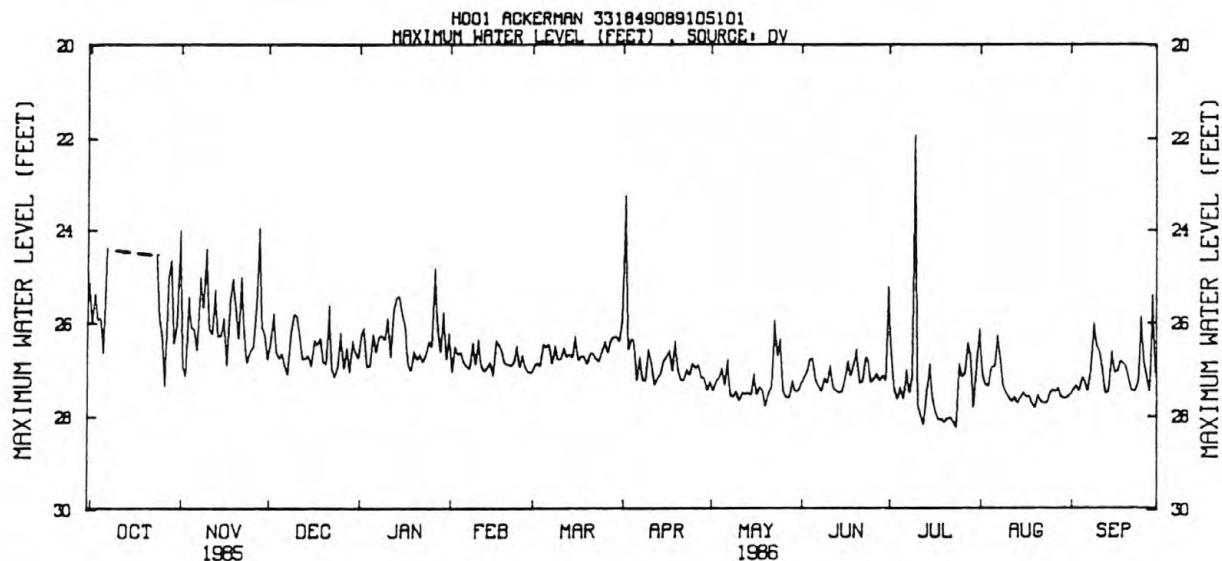
PERIOD OF RECORD.--January 1957, October 1969, February 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13 ft below land-surface datum, 1957; lowest measured, 28.72 ft below land-surface datum, Dec. 23, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	25.82	26.03	26.68	26.84	26.55	26.36	26.29	26.88	26.68	27.30	26.86	27.08
10	---	24.33	25.74	26.28	26.81	26.71	26.47	27.37	27.21	21.85	27.42	26.40
15	---	26.20	26.60	25.34	26.75	26.66	26.72	27.48	27.39	26.79	27.50	26.51
20	---	25.59	26.76	26.51	26.78	26.81	26.90	27.71	26.48	28.05	27.75	26.85
25	25.79	26.54	26.84	26.31	26.87	26.50	26.77	26.25	27.20	26.78	27.41	25.78
EOM	25.96	26.17	26.54	26.70	26.98	26.32	27.36	27.38	27.15	26.72	27.50	26.98

WTR YR 1986 HIGH 21.85 JUL 10 LOW 28.16 JUL 19



GROUND-WATER LEVELS

CLAY COUNTY

333712088384601. Local number, H046.

LOCATION.--Lat 33°37'12", long 88°38'46", Hydrologic Unit 03160104, NE1NW1 sec.11, T.17 S., R.6 E., 1 mi northeast of center of West Point on east side of Illinois Central Railroad.

Owner: City of West Point.

AQUIFER.--Sand and gravel of Gordo Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 810 ft, cased to 750 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is about 240 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.10 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

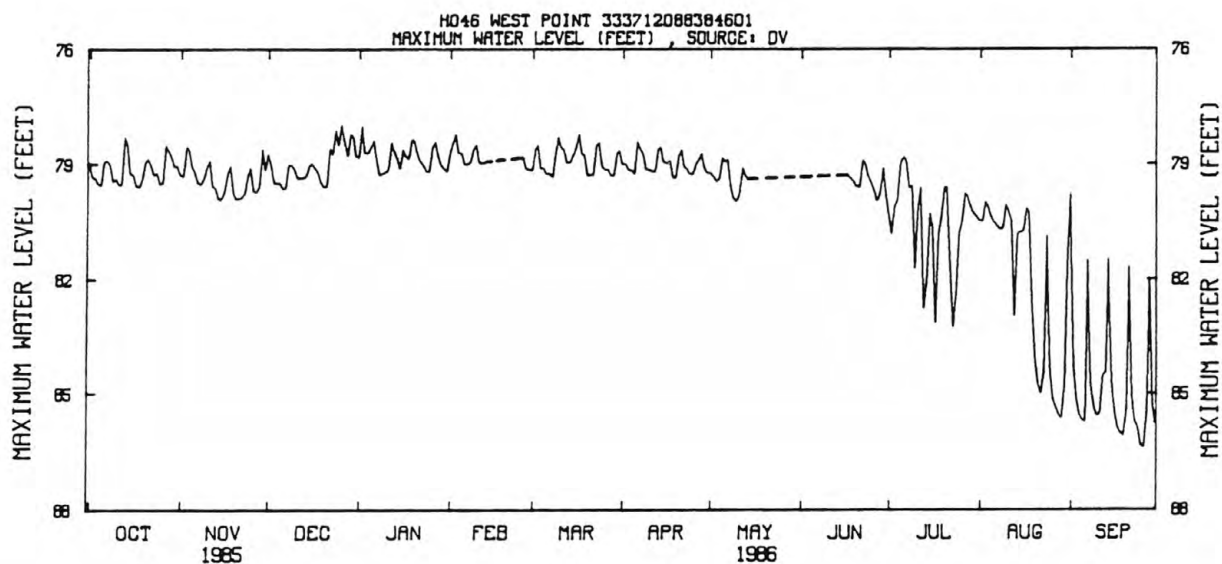
PERIOD OF RECORD.--July 1963, May 1969, January 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.95 ft below land-surface datum, July 16, 1963; lowest measured, 86.69 ft below land-surface datum, Dec. 2, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	79.54	79.06	79.48	78.54	78.70	79.09	79.25	78.82	---	78.95	80.36	85.69
10	79.37	79.03	79.10	79.20	78.49	78.28	79.14	79.97	---	81.71	80.06	85.58
15	79.25	79.91	79.01	79.11	---	78.76	78.94	---	---	80.28	80.78	84.66
20	78.92	79.91	79.58	78.38	---	79.30	78.78	---	79.58	79.60	84.04	85.36
25	79.51	79.08	75.49	79.19	---	79.07	79.26	---	79.48	80.80	84.29	86.34
EOM	79.05	79.14	78.80	79.19	79.14	78.64	79.22	---	79.77	80.39	81.28	85.76

WTR YR 1986 HIGH 75.49 DEC 25 LOW 86.39 SEP 26



GROUND-WATER LEVELS
CLAY COUNTY--Continued

207

333509088402801. Local number, H099.

LOCATION.--Lat.33°35'09", long 88°40'28", Hydrologic Unit 03160104, NE¼NW¼ sec.21, T.17 S., R.6 E., 1 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 about 200 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, at land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

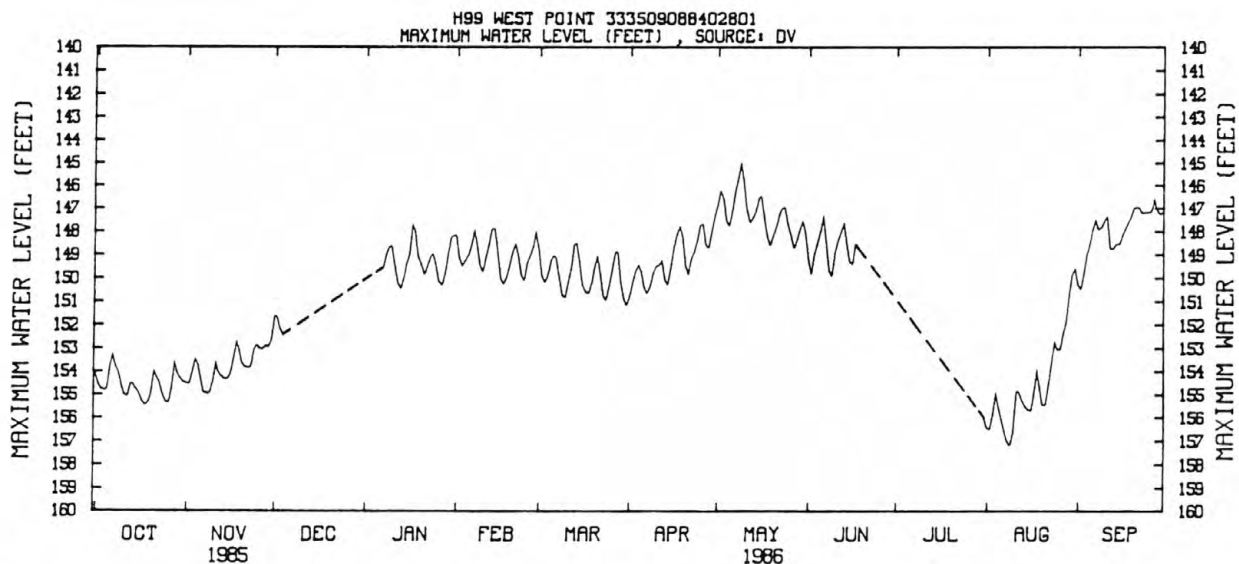
PERIOD OF RECORD.--November 1971, August 1976, April 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 133.14 ft below land-surface datum Nov. 4, 1971; lowest measured, 182.42 ft below land-surface datum, Aug. 26, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	154.80	153.67	---	---	148.97	149.26	149.70	147.75	147.93	---	155.48	148.55
10	154.63	154.41	---	148.61	149.69	150.83	149.48	145.78	148.92	---	156.61	147.51
15	154.76	154.34	---	149.31	148.85	149.27	149.51	146.51	149.28	---	155.63	148.51
20	154.91	153.66	---	149.35	148.90	149.45	149.40	148.15	---	---	155.43	146.97
25	155.34	152.84	---	149.40	149.34	150.27	147.70	147.64	---	---	153.05	147.17
EOM	154.44	152.63	---	148.16	147.97	151.15	147.32	147.99	---	155.97	149.53	147.19

WTR YR 1986 HIGH 144.95 MAY 9 LOW 157.16 AUG 9



GROUND-WATER LEVELS

COAHOMA COUNTY

341311090371801. Local number, J005.

LOCATION.--Lat 34°13'11", long 90°37'18", Hydrologic Unit 08030207, SW¼NE¼SW¼ sec.9, T.27 N., R.4 W., 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.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is about 172 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.40 ft above land-surface datum.

REMARKS.--Water level affected by seasonal pumping.

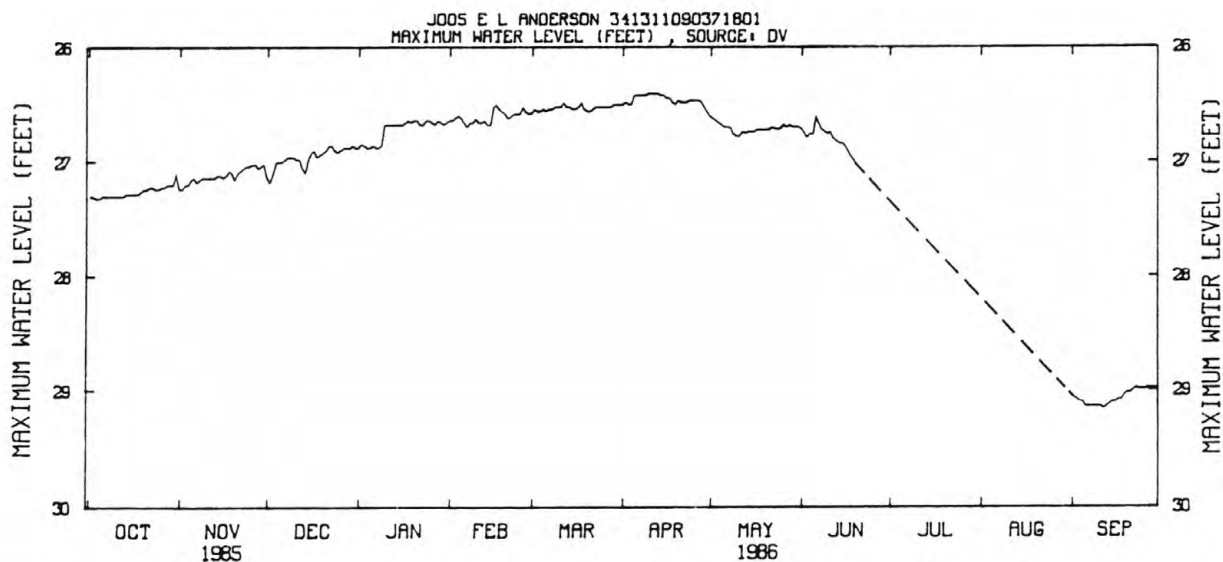
PERIOD OF RECORD.--April 1955, September 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23 ft below land-surface datum, April 1955; lowest measured, 29.16 ft below land-surface datum, Sept. 12, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	27.32	27.16	27.00	26.88	26.62	26.54	26.42	26.68	26.76			29.10
10	27.30	27.14	26.96	26.68	26.62	26.52	26.40	26.78	26.76			29.14
15	27.28	27.12	26.98	26.68	26.68	26.54	26.42	26.74	26.84			29.10
20	27.24	27.16	26.92	26.64	26.58	26.56	26.46	26.72	27.02			29.02
25	27.24	27.04	26.92	26.64	26.58	26.52	26.46	26.71	---			28.99
EOM	27.10	27.02	26.88	26.66	26.58	26.50	26.56	26.70	---			28.98

WTR YR 1986 HIGH 26.40 APR 10 LOW 29.16 SEP 12



FORREST COUNTY

312115089193601. Local number, B006.

LOCATION.--Lat 31°21'15", long 89°19'36", Hydrologic Unit 03170004, SE1NW1 sec.32, T.5 N., R.13 W., 2.8 mi north-west of center of Hattiesburg on Lakeview Road.

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 about 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.

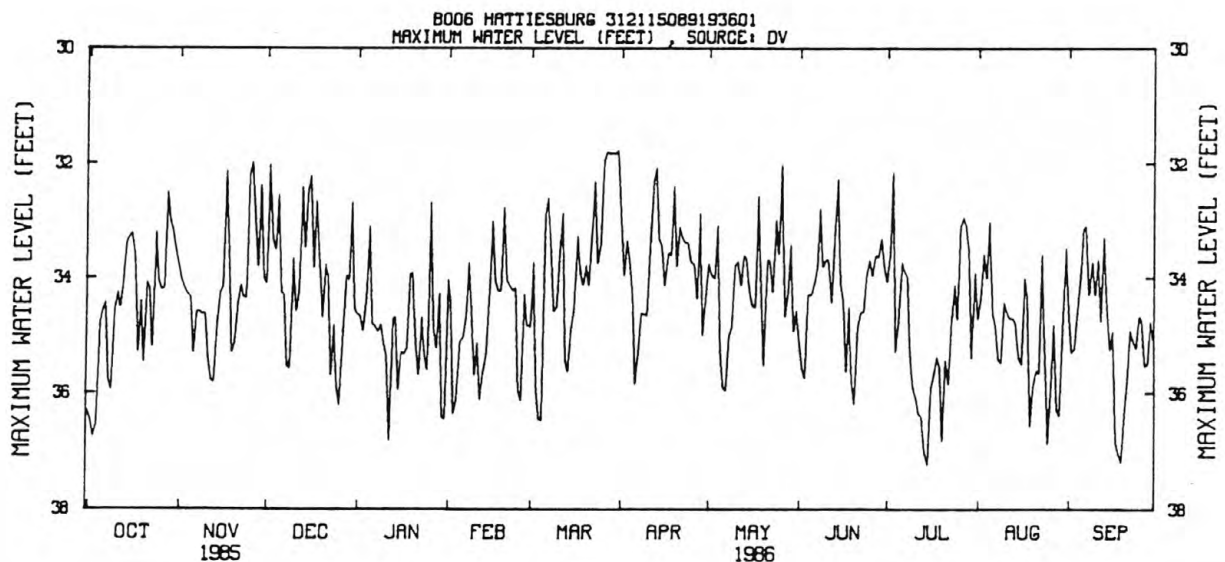
PERIOD OF RECORD.--September 1955, May 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9 ft below land-surface datum, Sept. 1, 1955; lowest measured 37.72 ft Dec. 13, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	34.77	34.32	32.54	33.11	35.08	36.47	34.27	35.23	34.29	34.74	33.01	33.99
10	34.53	34.61	33.66	35.11	35.68	34.50	34.64	33.77	33.66	35.90	34.41	34.27
15	33.28	34.26	32.46	35.93	34.22	34.88	33.44	34.20	34.06	37.22	35.37	35.23
20	35.45	35.11	34.68	33.91	32.77	33.77	33.78	35.50	36.17	36.81	35.88	36.37
25	34.04	32.22	35.90	35.59	35.95	33.39	33.72	33.57	33.68	34.69	36.86	34.66
EOM	33.51	33.99	34.53	36.45	34.81	31.75	34.36	34.55	33.79	33.90	33.47	35.05

WTR YR 1986 HIGH 31.75 MAR 21 LOW 37.22 JUL 15



GROUND-WATER LEVELS

HARRISON COUNTY

302355088540301. Local number, M120.

LOCATION.--Lat 30°23'55", long 88°54'03", Hydrologic Unit 03170009, NW¼ sec.26, T.7 S., R.9 W., 1 mi west of center of Biloxi at Howard Avenue and Querens Street.

Owner: City of Biloxi.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, 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.

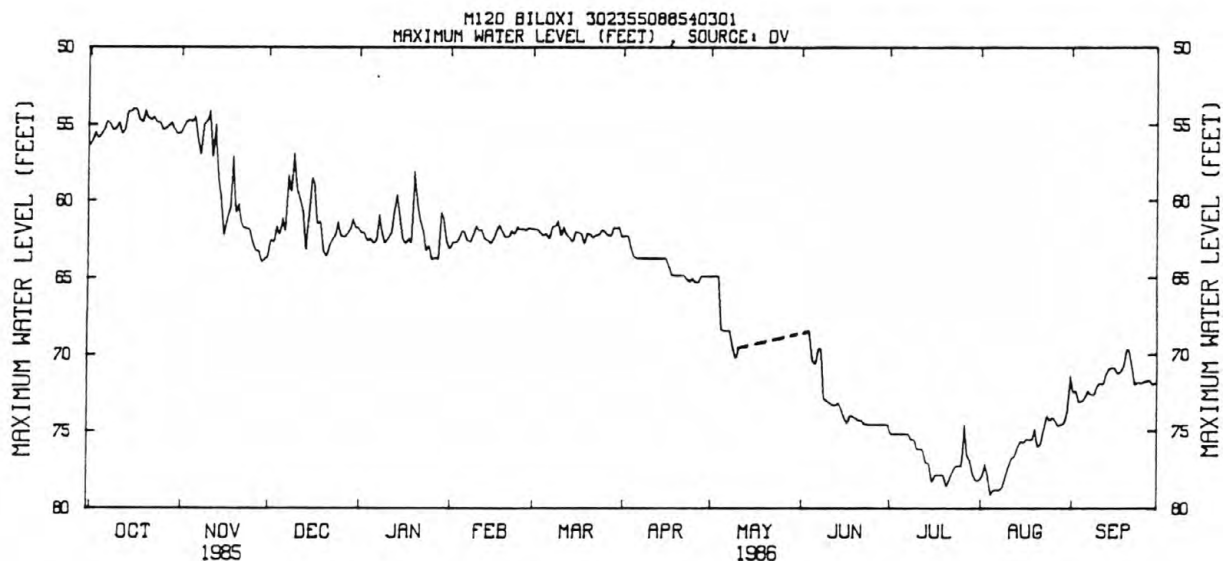
PERIOD OF RECORD.--1903, January 1945 to June 1946, March 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.0 ft above land-surface datum, 1903; lowest measured, 79.14 ft below land-surface datum, Aug. 5, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	55.63	54.82	62.22	62.51	61.94	62.29	63.64	68.35	70.46	75.19	79.14	73.09
10	55.25	54.75	56.87	62.75	61.63	61.25	63.74	70.26	73.06	75.57	77.83	72.08
15	54.20	59.83	60.90	61.00	62.80	62.68	63.74	---	73.57	77.11	75.66	70.89
20	54.05	60.77	63.30	58.08	62.36	62.07	64.83	---	74.18	77.80	74.85	69.66
25	54.87	61.90	61.32	62.89	61.88	61.86	64.98	---	74.60	77.24	74.32	71.96
EOM	55.61	63.81	61.78	62.66	61.78	61.70	64.85	---	74.60	78.18	73.64	71.93

WTR YR 1986 HIGH 53.99 OCT 16 LOW 79.14 AUG 5



GROUND-WATER LEVELS

211

HARRISON COUNTY--Continued

302406088593201. Local number, M544.

LOCATION.--Lat 30°24'06", long 88°59'32", Hydrologic Unit 03170009, NW1/4 sec.28, T.7 S., R.10 W., near center of Biloxi at Edgewater Subdivision, Lakeview Drive, north of Pass Road.

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.

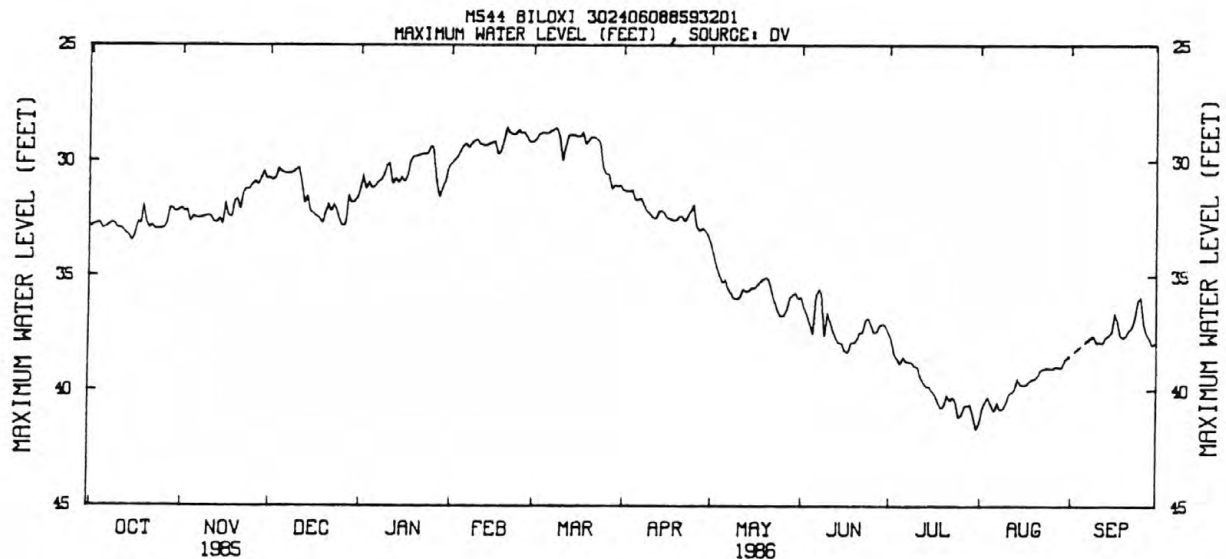
DATUM.--Land-surface datum is 25.0 ft above National Geodetic Vertical Datum of 1929. Measuring point: 1/2-in plastic plug, top of seal, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--1969, October 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.49 ft above land-surface datum, Apr. 23, 1983; lowest measured, 41.67 ft below land-surface datum, July 31, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	32.99	32.42	30.48	31.21	29.32	28.78	31.69	35.31	37.51	38.84	40.58	---
10	32.96	32.41	30.40	30.18	29.05	28.95	32.30	35.99	36.57	38.97	40.56	37.93
15	33.52	32.80	32.23	30.68	29.19	28.86	32.29	35.51	37.94	39.85	39.74	37.42
20	32.66	31.68	32.28	29.78	28.53	29.07	32.40	35.05	37.80	40.67	39.48	37.58
25	32.98	31.04	32.58	29.37	28.80	30.35	31.88	36.73	37.12	41.17	39.03	35.90
EOM	32.19	30.79	31.62	30.27	29.18	31.05	33.23	35.98	37.18	41.67	---	37.90
WTR YR 1986	HIGH	28.53	FEB 20	LOW	41.67	JUL 31						



GROUND-WATER LEVELS

HINDS COUNTY

321945090152201. Local number, G125.

LOCATION.--Lat 32°19'45", long 90°15'22", Hydrologic Unit 03180002, SE¼SW¼ sec.25, T.6 N., R.1 W., 5 mi northwest of center of Jackson at Clinton Boulevard and Dixon Road.

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.

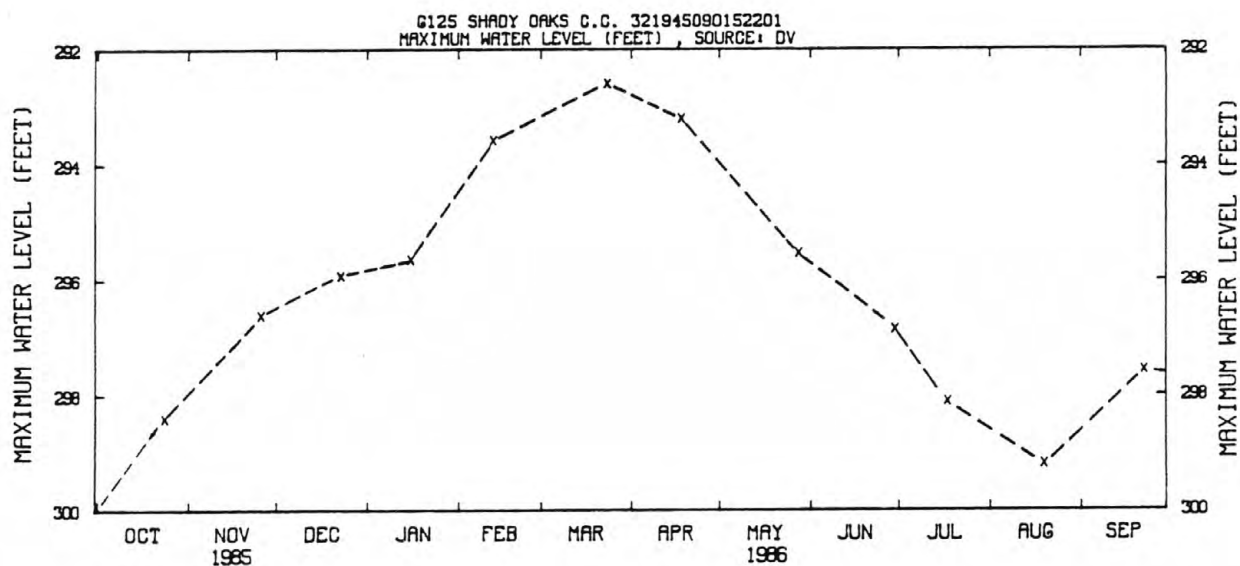
DATUM.--Land-surface datum is about 372 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in coupling, 0.50 ft above land-surface datum.

PERIOD OF RECORD.--1928, September 1944 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 160.0 ft below land-surface datum, 1928; lowest measured, 302.48 ft below land-surface datum, Oct. 29, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	298.38	DEC 23	295.92	FEB 13	293.58	APR 18	293.19	JUN 30	296.85	AUG 20	299.20
NOV 26	296.61	JAN 16	295.63	MAR 24	292.58	MAY 28	295.52	JUL 18	298.11	SEP 23	297.57



HINDS COUNTY--Continued

321957090105601. Local number, H155.

LOCATION.--Lat 32°19'57", long 90°10'56", Hydrologic Unit 03180002, NW¼SE¼ sec.27, T.6 N., R.1 E., 2 mi north of center of Jackson on North West Street near Taylor Street.

Owner: Mississippi Geological Survey.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well (test hole), diameter 4 in, depth 158 ft.

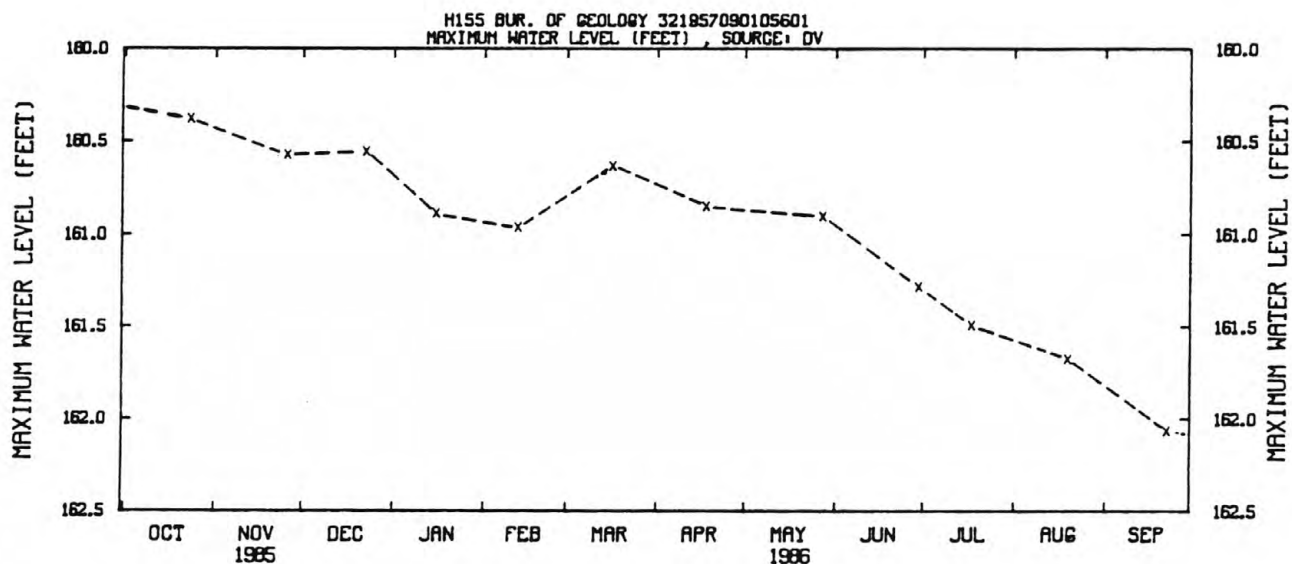
DATUM.--Land-surface datum is about 330 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 40 ft above land-surface datum.

PERIOD OF RECORD.--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 162.06 ft below land-surface datum, Sept. 23, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	160.38	DEC 23	160.55	FEB 13	160.96	APR 18	161.28	JUN 30	160.89	AUG 20	161.67
NOV 26	160.57	JAN 16	160.89	MAR 17	160.63	MAY 28	160.90	JUL 18	161.49	SEP 23	162.06



GROUND-WATER LEVELS

ITAWAMBA COUNTY

341604088244601. Local number, G067. (USCE 106B)

LOCATION.--Lat 34°16'04", long 88°24'46", Hydrologic Unit 03160101, SW1SE4 sec.25, T.9 S., R.8 E., 0.6 mi southeast of center of Fulton along railroad track.

Owner: U. S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 175 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is about 284 ft above National Geodetic Vertical Datum of 1929. Measuring point: Base of recorder house floor, 3.80 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

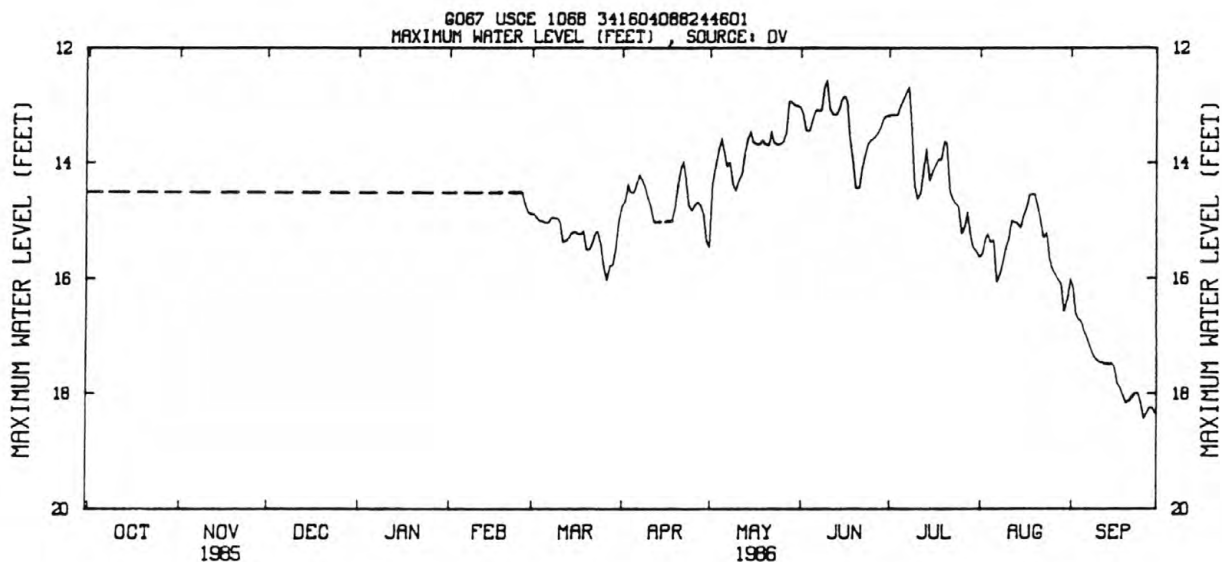
PERIOD OF RECORD.--June 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.17 ft below land-surface datum, June 8, 1978; lowest measured, 44.16 ft below land-surface datum, Oct. 2, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.10				---	15.01	14.53	13.55	13.22	13.00	15.38	16.75
10	---				---	14.96	14.61	14.48	12.54	14.40	15.47	17.42
15	---				---	15.20	---	13.43	12.87	14.31	15.13	17.48
20	---				---	15.50	14.39	13.67	14.44	13.62	14.54	18.17
25	---				---	15.43	14.83	13.67	13.60	14.77	15.64	18.14
EOM	---				14.85	15.02	15.35	13.00	13.17	15.53	16.33	18.34

WTR YR 1986 HIGH 12.54 JUN 10 LOW 18.34 SEP 31



JASPER COUNTY

315313088583302. Local number, Q047.

LOCATION.--Lat 31°53'13", long 88°58'33", Hydrologic Unit 03170005, NW¼ sec.33, T.1 N., R.10 W., Heidelberg Industrial Park, 1 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 about 375 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.00 ft above land-surface datum.

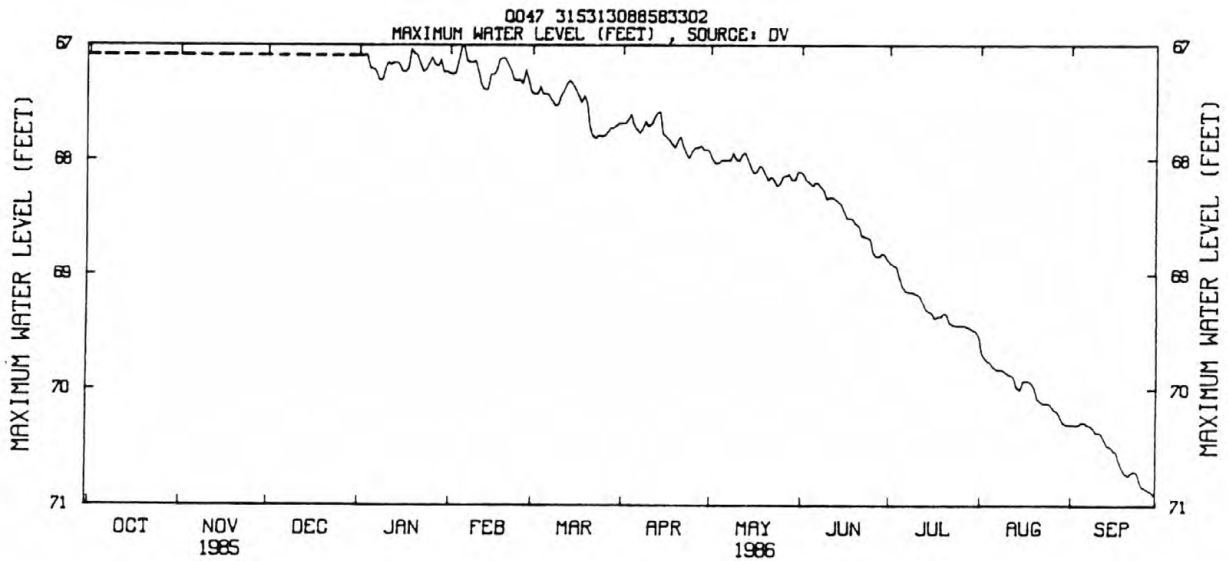
PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 67.01 ft below land-surface datum, Feb. 5, 1986; lowest measured, 77.4 ft below land-surface datum, Feb. 20, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5				67.20	67.01	67.42	67.69	68.00	68.22	69.02	69.76	70.28
10				67.21	67.13	67.51	67.70	67.99	68.33	69.16	69.84	70.37
15				67.17	67.25	67.33	67.77	68.06	68.38	69.32	70.00	70.49
20				67.07	67.11	67.49	67.82	68.12	68.55	69.33	69.98	70.72
25				67.16	67.30	67.79	67.92	68.20	68.69	69.44	70.12	70.79
EOM				67.23	67.29	67.67	67.91	68.10	68.83	69.49	70.30	70.91

WTR YR 1986 HIGH 67.01 FEB 5 LOW 70.91 SEP 30



GROUND-WATER LEVELS

JONES COUNTY

314210089084401. Local number, C034.

LOCATION.--Lat 31°42'47", long 89°08'44", Hydrologic Unit 3170005, SW¼SE¼ sec.31, T.9 N., R.11 W., north of center of Laurel at 10th Avenue and 8th Street.

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 about 276 ft above National Geodetic Vertical Datum of 1929. Measuring point: 1-in hole in pump base plate, 0.75 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

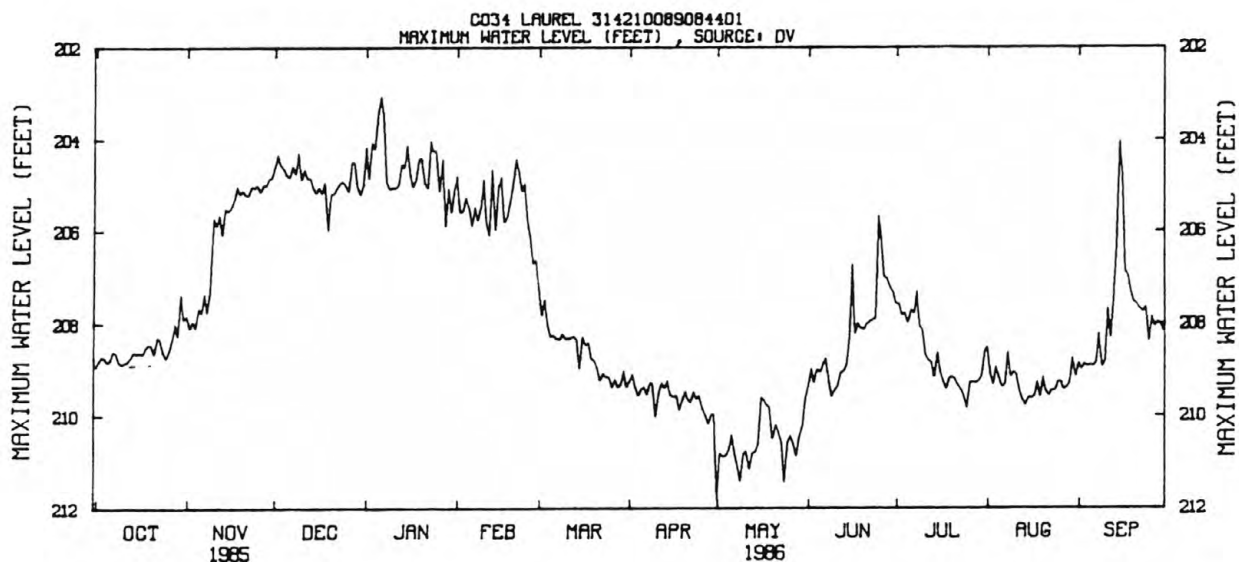
PERIOD OF RECORD.--October 1945, September 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 127 ft below land-surface datum, October 1945; lowest measured, 216.39 ft below land-surface datum, June 9, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	208.85	207.66	204.79	203.39	205.47	208.27	209.42	210.72	209.07	207.98	209.18	208.91
10	208.89	205.73	204.87	205.05	204.87	208.33	210.02	210.80	209.46	208.13	209.06	208.82
15	208.67	205.58	205.17	204.12	205.03	208.99	209.56	210.60	208.31	208.62	209.61	204.05
20	208.48	205.12	205.18	204.40	204.98	208.81	209.47	210.50	208.13	209.18	209.16	207.55
25	208.77	205.00	204.99	204.24	205.74	209.18	209.57	210.58	205.67	209.84	209.26	208.37
EOM	207.91	204.84	204.99	205.09	206.62	209.38	209.97	209.63	207.33	208.58	209.17	208.15
WTR YR 1986	HIGH	203.06	JAN 6	LOW	211.91	APR 30						



GROUND-WATER LEVELS

217

JONES COUNTY--Continued

313928089103001. Local number, F020.

LOCATION.--Lat 31°39'28", Long 89°10'30", Hydrologic Unit 03170005, NE¼SE¼ sec.14, T.8 N., R.12 W., 5 mi southwest of center of Laurel and 0.2 mi south of Laurel Airport.

Owner: City of Laurel.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 20-12 in, depth 466 ft, cased to 406 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is about 220 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.

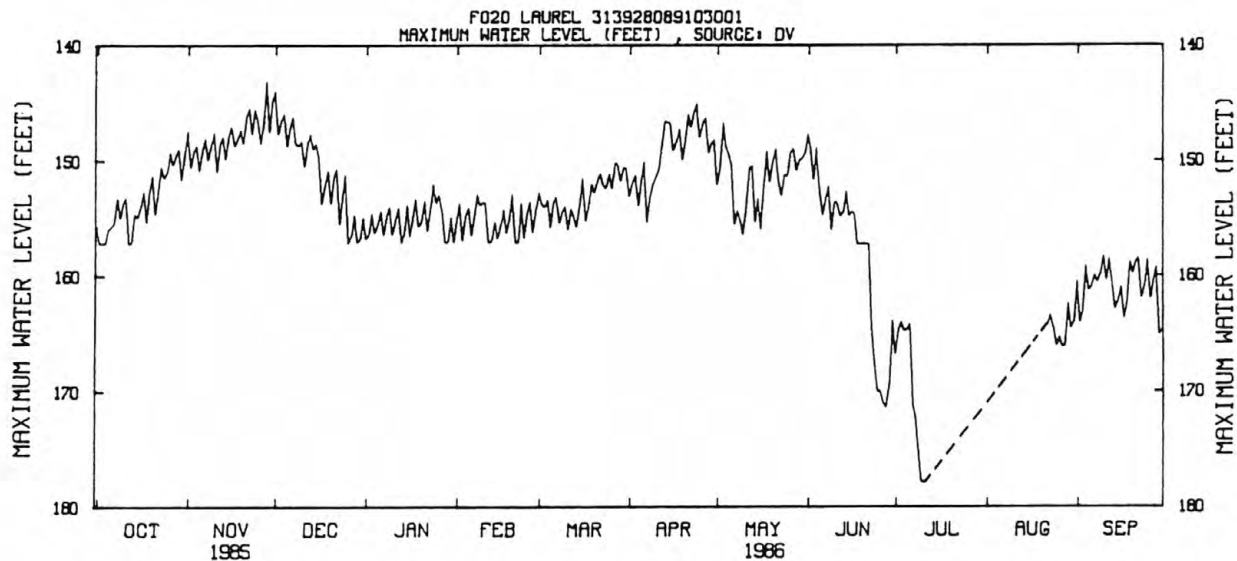
PERIOD OF RECORD.--December 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 118.8 ft below land-surface datum, Dec. 5, 1977; lowest measured, 202.39 ft below land-surface datum, Aug. 15, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	155.93	150.84	148.69	155.51	154.07	155.83	151.68	149.37	152.82	164.64	---	161.26
10	153.70	147.53	148.28	156.41	153.67	153.93	151.46	156.40	153.60	177.71	---	158.26
15	154.97	147.76	148.49	153.83	156.78	153.85	146.72	153.23	154.78	---	---	162.05
20	151.31	148.46	153.71	155.33	152.91	152.79	148.34	150.04	157.24	---	---	159.82
25	151.06	146.42	151.17	153.67	154.55	151.11	147.91	151.34	169.97	---	165.96	158.57
EOM	149.46	144.76	154.95	157.10	154.39	150.62	148.15	149.30	163.83	---	163.87	164.66

WTR YR 1986 HIGH 143.07 NOV 28 LOW 177.89 JUL 11



GROUND-WATER LEVELS

LAFAYETTE COUNTY

342550089312801. Local number, 8004.

LOCATION.--Lat 34°25'50", long 89°31'28", Hydrologic Unit 08030201, SW¼NW¼ sec.33, T.7 S., R.3 W., 5 mi north of center of Oxford on west side of State Highway 7.

Owner: U.S. Plywood Company.

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 about 430 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 1.80 ft above land-surface datum.

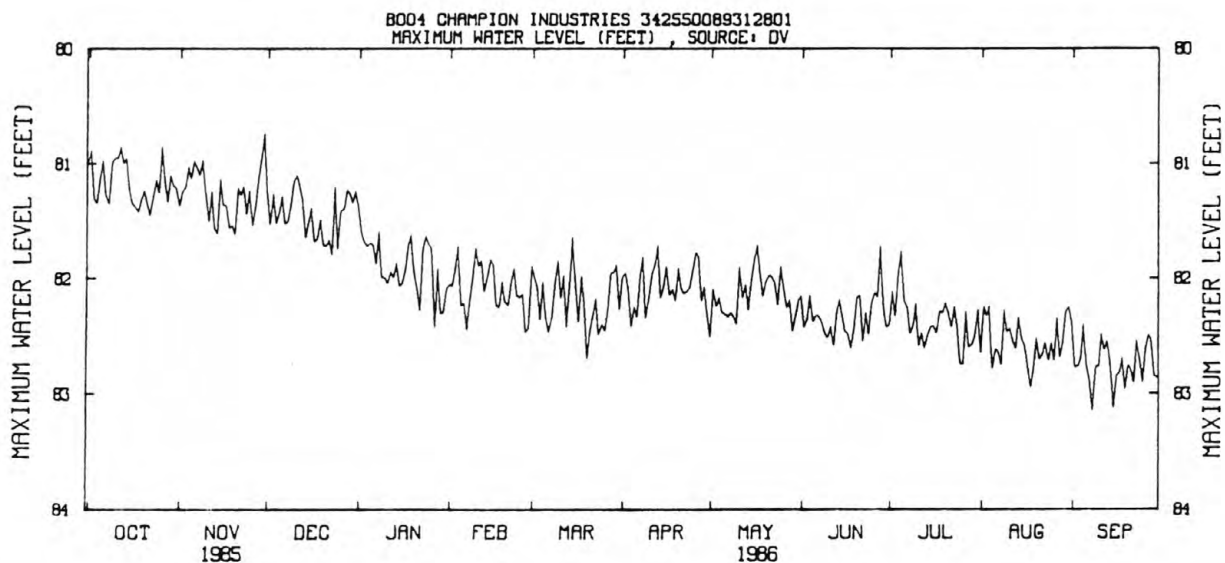
PERIOD OF RECORD.--October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 79.40 ft below land-surface datum, June 16, 1980; lowest measured, 88.65 ft below land-surface datum, Dec. 29, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	81.13	81.13	81.43	81.69	82.23	82.03	82.24	82.29	82.37	81.76	82.78	82.39
10	80.95	81.28	81.16	81.99	81.73	81.84	82.18	82.39	82.51	82.21	82.46	82.76
15	81.22	81.13	81.51	82.06	81.83	81.64	82.07	82.01	82.32	82.41	82.52	83.12
20	81.23	81.62	81.71	81.92	82.20	82.69	81.91	82.03	82.16	82.21	82.51	82.75
25	81.25	81.23	81.74	81.70	82.16	82.39	81.94	81.89	82.21	82.74	82.55	82.90
EOM	81.21	80.73	81.24	82.09	82.43	82.26	82.32	82.18	82.42	82.27	82.25	82.86

WTR YR 1986 HIGH 80.73 NOV 30 LOW 83.14 SEP 8



GROUND-WATER LEVELS

219

LEE COUNTY

341235088431601. Local number, K029.

LOCATION.--Lat 34°12'35", long 88°43'16", Hydrologic Unit 03160102, SE¼SE¼ sec.13, T.10 S., R.5 E., 3.5 mi south of center of Tupelo on U.S. Highway 45 at Barber Milk Company.

Owner: Barber Milk Company.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth reported 491 ft, cased to 451 ft.

DATUM.--Land-surface datum is about 345 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 0.80 ft above land-surface datum.

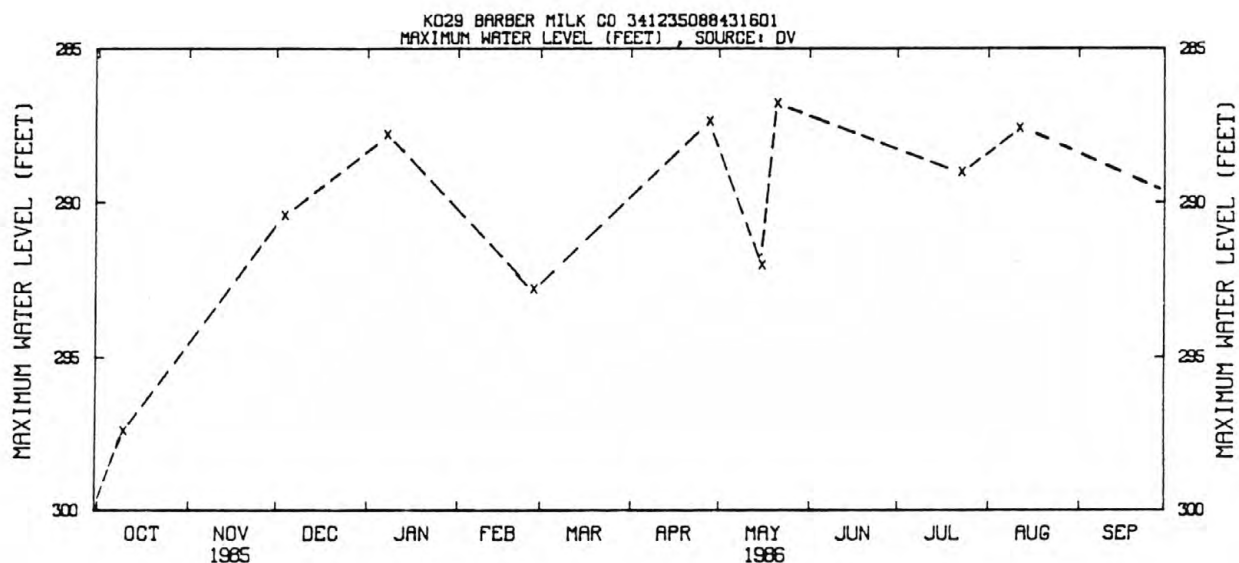
REMARKS.--Water levels effected by nearby pumping.

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, 299.98 ft below land-surface datum, June 6, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	297.41	JAN 8	287.78	APR 28	287.33	MAY 21	286.79	AUG 12	287.60
DEC 4	290.39	FEB 27	292.76	MAY 16	291.99	JUL 23	288.99		



GROUND-WATER LEVELS

LOWNDES COUNTY

333805088291002. Local number A034. (USCE TTM 3B)

LOCATION.--Lat 33°38'05", long 88°29'10", Hydrologic Unit 03160104. NW¼NW¼ sec.36, T.16 S., R.19 W., 10 mi north-west 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 about 182 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.9 ft above land-surface datum.

REMARKS.--Water level affected by river stage.

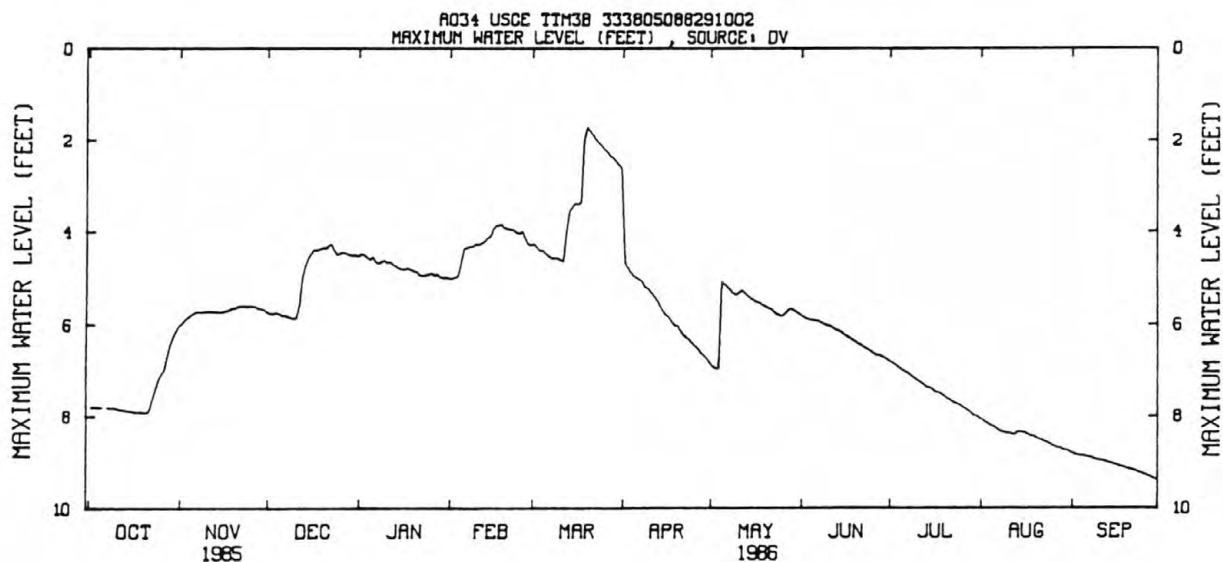
PERIOD OF RECORD.--June 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.71 ft below land-surface datum, Apr. 20, 1982; lowest measured 25.91 ft below land-surface datum, Sept. 15, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.73	5.79	5.75	4.60	4.64	4.41	4.94	5.06	5.89	6.95	8.19	8.85
10	7.82	5.70	5.87	4.60	4.27	4.57	5.21	5.35	6.01	7.18	8.35	8.93
15	7.88	5.71	4.56	4.78	4.09	3.46	5.69	5.42	6.16	7.37	8.33	9.02
20	7.92	5.64	4.34	4.84	3.93	1.70	6.02	5.59	6.38	7.56	8.45	9.12
25	7.23	5.60	4.49	4.91	4.05	2.12	6.39	5.79	6.59	7.75	8.59	9.23
EOM	6.15	5.66	4.50	4.97	4.28	2.54	6.74	5.74	6.74	7.99	8.74	9.37

WTR YR 1986 HIGH 1.70 MAR 20 LOW 9.37 SEP 30



GROUND-WATER LEVELS

221

MONROE COUNTY

334958088323601. Local number, L075. (USCE AB11)

LOCATION.--Lat 33°49'58" long 88°32'36". Hydrologic Unit 03160101. SE1/4 sec.26. T.14 S., R.7 E., in Aberdeen.

Owner: U.S. Army Corps of Engineer.

AQUIFER.--McShan Formation 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 about 200 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.2 ft above land-surface datum.

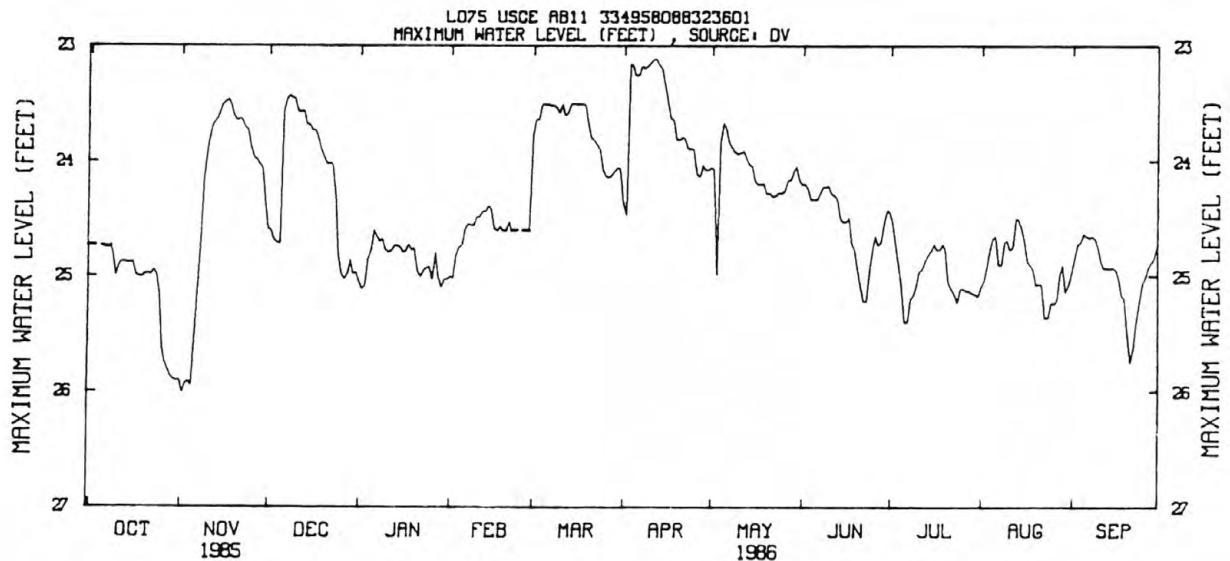
REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--February 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.52 ft below land-surface datum, May 11, 1977;
lowest measured, 27.43 ft below land-surface datum, Aug. 25, 1979.WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	24.76	25.94	24.72	24.77	24.73	23.50	23.25	23.66	24.33	25.06	24.67	24.63
10	24.99	23.89	23.45	24.77	24.49	23.57	23.14	23.93	24.21	25.08	24.69	24.75
15	24.88	23.50	23.67	24.75	24.43	23.49	23.32	24.04	24.53	24.78	24.59	24.93
20	24.97	23.63	23.96	24.76	24.61	23.67	23.80	24.28	24.92	24.77	25.07	25.50
25	25.16	23.87	24.80	24.91	---	24.08	23.89	24.27	24.78	25.10	25.22	25.06
EOM	25.90	24.33	24.96	25.02	24.61	24.07	24.07	24.16	24.43	25.17	25.07	24.75

WTR YR 1986 HIGH 23.11 APR 11 LOW 26.00 NOV 2



GROUND-WATER LEVELS

PANOLA COUNTY

342332090060001. Local number, K012.

LOCATION.--Lat 34°23'20", long 90°05'57", Hydrologic Unit 08030202, NW¼NE¼ sec.13, T.8 S., R.9 W., 10 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 about 181 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.20 ft above land-surface datum.

REMARKS.--Water level affected by seasonal pumping.

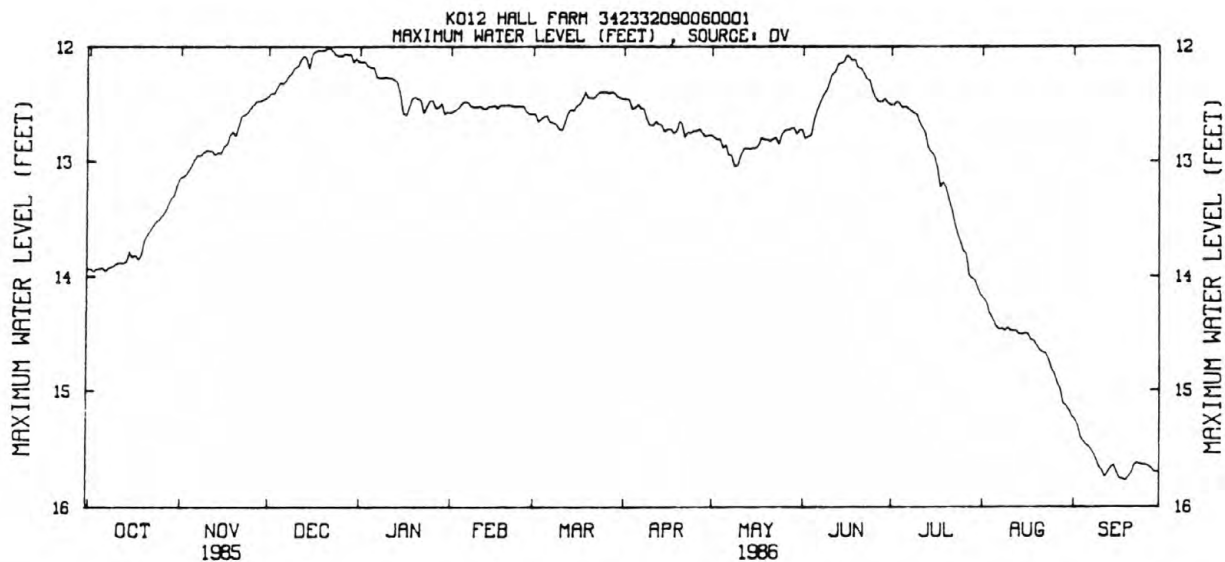
PERIOD OF RECORD.--May 1962, June 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.08 ft below land-surface datum, Feb. 3, 1985; lowest measured, 15.77 ft below land-surface datum, Sept. 19, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	13.93	13.03	12.31	12.18	12.48	12.60	12.52	12.88	12.62	12.52	14.36	15.44
10	13.90	12.90	12.18	12.26	12.52	12.71	12.68	13.03	12.32	12.58	14.44	15.65
15	13.78	12.93	12.19	12.40	12.51	12.55	12.74	12.88	12.13	12.92	14.50	15.63
20	13.69	12.78	12.03	12.43	12.50	12.44	12.64	12.81	12.18	13.22	14.60	15.74
25	13.50	12.53	12.08	12.46	12.51	12.39	12.73	12.76	12.38	13.70	14.81	15.64
EOM	13.21	12.45	12.10	12.56	12.58	12.44	12.77	12.72	12.48	14.11	15.17	15.70

WTR YR 1986 HIGH 12.01 DEC 21 LOW 15.77 SEP 19



PRETISS COUNTY

344045088325501. Local number, F061.

LOCATION.--Lat 34°40'45", long 88°32'55", Hydrologic Unit 08010207, SW¼NE¼ sec.3, T.5 S, R.7 E., northeast of center of Booneville at Booneville-Prentiss County industrial park.

Owner: Town of Booneville.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 503 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is about 517 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.00 ft above land surface datum.

REMARKS.--Water level affected by nearby pumping.

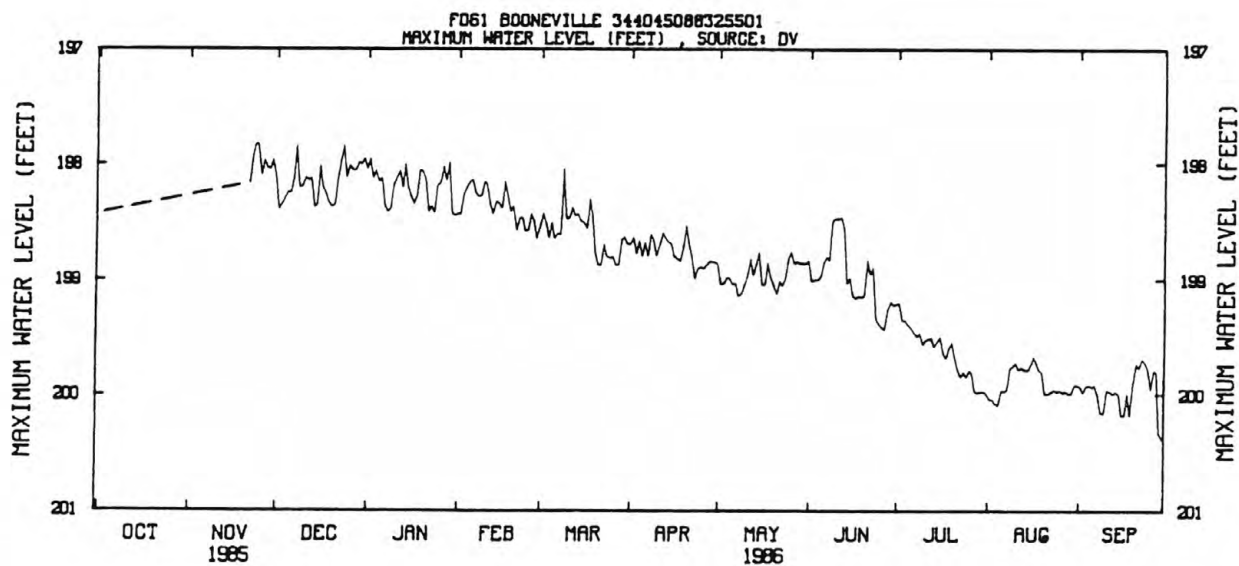
PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 193.69 ft below land-surface datum, Jan. 28, 1985; lowest measured, 200.38 ft below land-surface datum, Sept. 30, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5		---	198.24	198.15	198.15	198.50	198.79	198.99	198.97	199.39	200.09	199.92
10		---	198.19	198.18	198.15	198.47	198.79	199.05	197.47	199.56	199.75	200.16
15		---	198.35	198.20	198.34	198.49	198.69	198.76	198.98	199.53	199.79	199.99
20		---	198.37	198.06	198.36	198.77	198.53	199.04	199.14	199.54	199.80	199.90
25		197.82	198.11	198.18	198.57	198.81	198.89	198.81	199.38	199.84	199.97	199.78
EOM		197.96	197.95	198.44	198.64	198.69	198.85	198.86	199.22	199.97	199.91	200.38

WTR YR 1986 HIGH 197.04 MAR 9 LOW 200.38 SEP 30



GROUND-WATER LEVELS

TISHOMINGO COUNTY

344053088161202. Local number, J013. (USCE 34A)

LOCATION.--Lat 34°40'53", long 88°16'12", Hydrologic Unit 03160101, NE¼NW¼ sec.5, T.5 S., R.10 E., 1.8 mi north of Paden.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 266 ft, cased to 256 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is about 560 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.0 ft above land-surface datum.

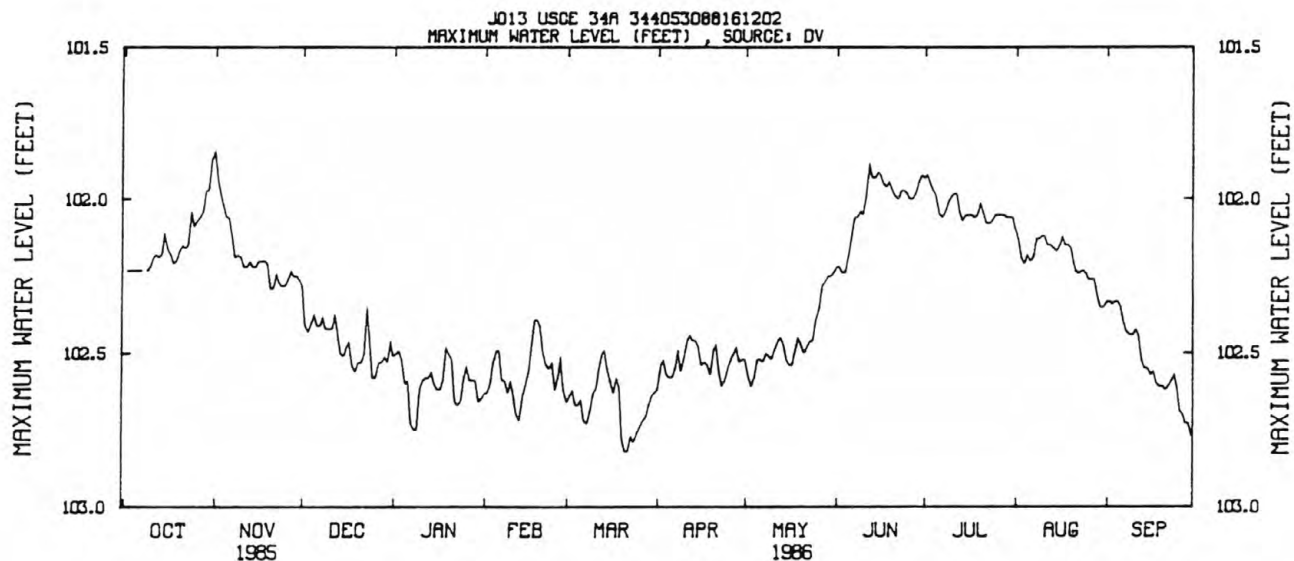
PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 82.17 ft below land-surface datum, Mar. 13, 1974; lowest measured, 117.63 ft below land-surface datum, Aug. 5, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	103.06	102.37	102.60	102.49	102.67	102.58	102.52	102.18	101.99	102.18	102.33
10	103.22	103.19	102.42	102.62	102.59	102.63	102.52	102.52	102.05	101.99	102.12	102.44
15	103.11	103.22	102.51	102.60	102.60	102.55	102.48	102.52	101.91	102.05	102.17	102.55
20	103.17	103.29	102.53	102.50	102.41	102.78	102.49	102.47	101.97	102.01	102.16	102.61
25	103.09	102.28	102.58	102.58	102.62	102.76	102.55	102.39	101.98	102.05	102.24	102.62
EOM	102.87	102.26	102.46	102.65	102.62	102.63	102.52	102.24	101.92	102.06	102.35	101.77

WTR YR 1986 HIGH 101.77 SEP 30 LOW 103.29 NOV 20



TISHOMINGO COUNTY--Continued

344053088161203. Local number, J014. (USCE 348)

LOCATION.--Lat 34°40'53", long 88°16'12", Hydrologic Unit 03160101, NE¼NW¼ sec.5, T.5 S., R.10 E., 1.8 mi north of Paden.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.-- Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 134 ft, cased to 129 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is about 560 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.65 ft above land-surface datum.

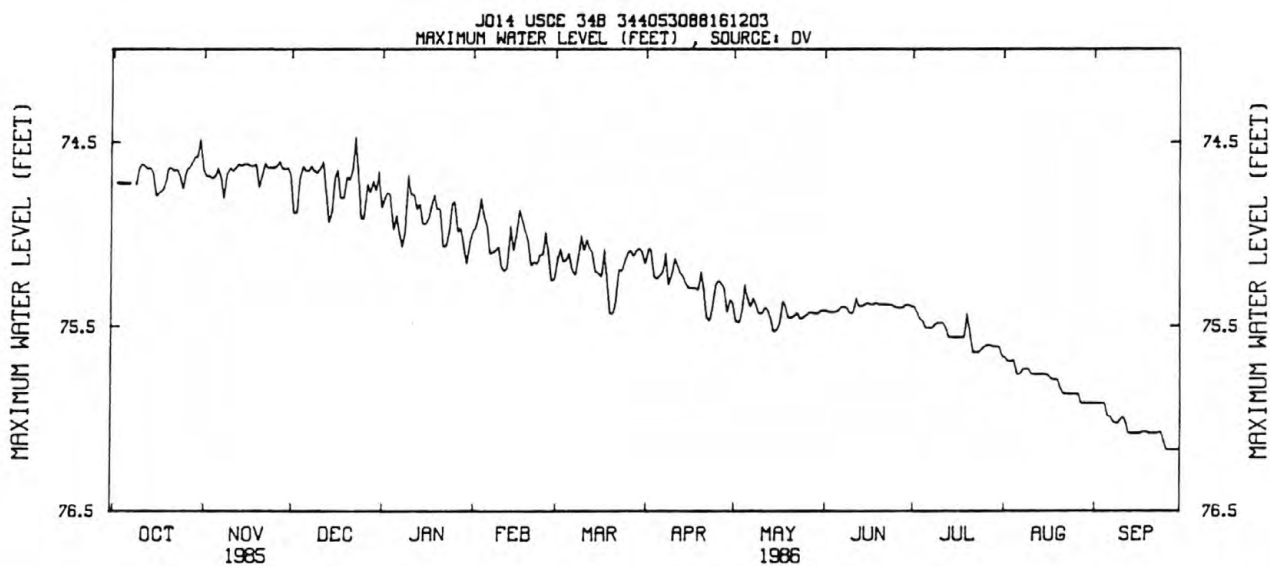
PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 69.67 ft below land-surface datum, May 23, 1974; lowest measured, 77.81 ft below land-surface datum, Nov. 26, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	74.63	74.69	74.63	74.98	74.91	75.14	75.24	75.27	74.42	74.47	74.68	75.92
10	74.65	74.64	74.67	74.68	75.07	75.01	75.22	75.43	74.43	74.48	75.73	76.01
15	74.67	74.62	74.88	74.95	75.09	75.20	75.27	75.53	74.38	74.56	75.76	76.08
20	74.64	74.75	74.69	74.87	75.03	75.43	75.20	74.45	74.38	74.53	75.79	76.08
25	74.76	74.64	74.92	74.84	75.11	75.14	75.27	74.45	74.39	74.62	75.87	76.12
EOM	74.48	74.64	74.66	75.05	75.25	75.10	75.35	74.41	74.38	74.61	75.92	76.17

WTR YR 1986 HIGH 74.34 JUN 12 LOW 76.17 SEP 26 AND OTHERS



GROUND-WATER LEVELS

WARREN COUNTY

322310090530202. Local number, J004.

LOCATION.--Lat 32°23'10", long 90°53'02", Hydrologic Unit 08030208, SW1SW4 sec.2, T.16 N., R.3 E., 2.5 mi northwest of center of Vicksburg on north side of Industrial Road.

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 about 90 ft above National Geodetic Vertical Datum of 1929. Measuring point: Bottom of recorder house floor, 17.26 ft above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

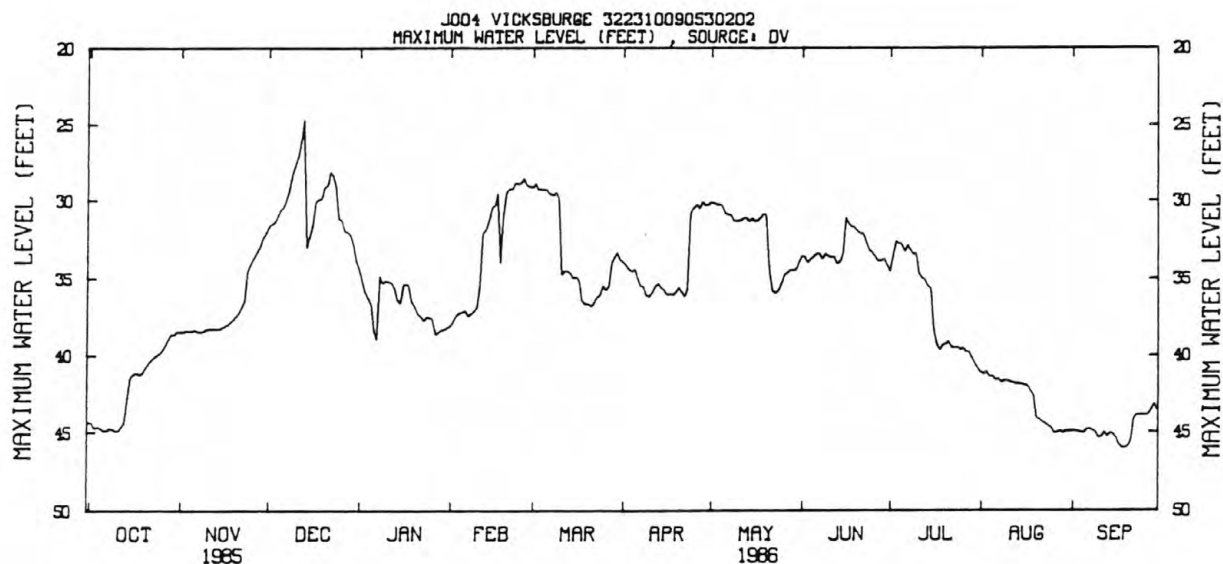
PERIOD OF RECORD.--October 1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.60 ft below land-surface datum, Apr. 17, 1975; lowest measured, 53.98 ft below land-surface datum, Feb. 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	44.71	38.45	30.60	36.66	37.16	29.32	34.40	30.41	33.56	32.81	41.37	45.05
10	44.90	38.30	27.68	35.18	36.87	29.81	36.19	31.36	33.59	33.40	41.66	45.36
15	41.49	38.23	32.27	36.63	30.44	34.97	35.74	31.14	33.34	35.65	41.92	45.14
20	40.86	37.45	29.09	36.82	29.44	36.65	35.59	30.92	31.97	39.26	44.08	45.93
25	39.85	34.05	31.22	37.57	28.84	35.46	30.50	35.32	33.32	39.65	44.73	43.89
EOM	38.43	32.18	33.87	38.18	29.12	33.80	30.29	33.92	34.09	40.88	44.93	43.56

WTR YR 1986 HIGH 24.67 DEC 13 LOW 46.00 SEP 19



GROUND-WATER LEVELS

227

WASHINGTON COUNTY

332242091030401. Local number, D176.

LOCATION.--Lat 33°22'42", long 91°03'04", Hydrologic Unit 08030207, NE¼ sec.33, T.18 N., R.5 W., 0.5 mi southwest of Bowman Blvd on State Highway 1.

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 about 123 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in casing, 1.50 ft above land-surface datum.

REMARKS.--Water level affected by seasonal pumping.

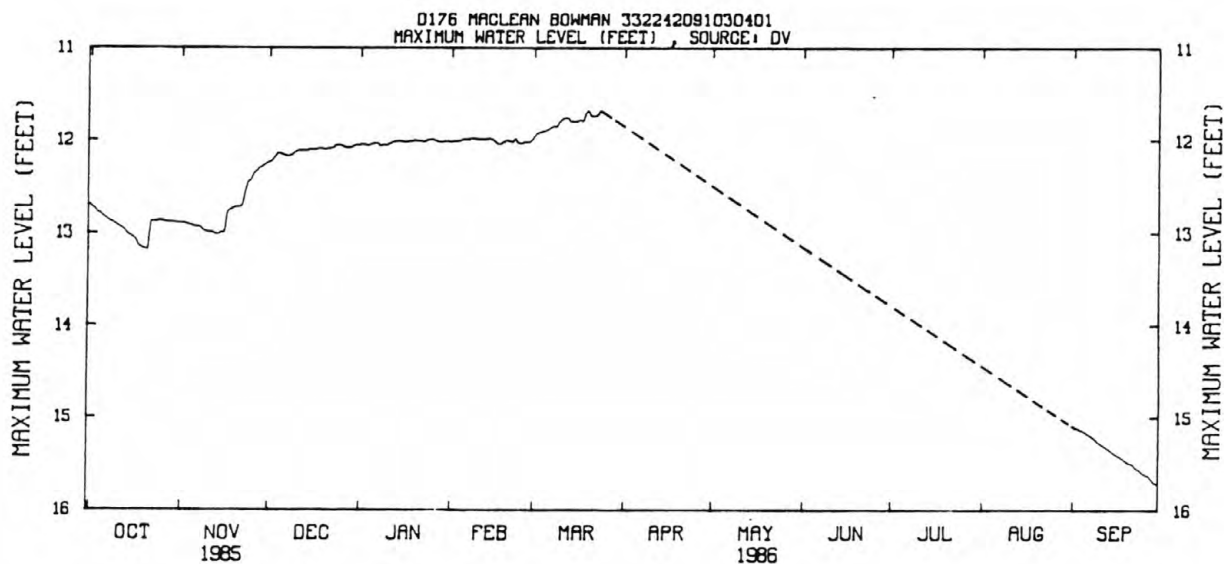
PERIOD OF RECORD.--May 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.75 ft below land-surface datum, June 5, 1983; lowest water level measured, 15.72 ft below land-surface datum, Sept. 30, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.79	12.92	12.14	12.04	11.99	11.90						15.15
10	12.90	12.99	12.13	12.05	11.99	11.80						15.27
15	13.03	12.99	12.10	12.01	11.99	11.80						15.38
20	13.17	12.72	12.10	12.00	12.00	11.68						15.49
25	12.86	12.44	12.05	11.99	12.04	---						15.60
EOM	12.89	12.26	12.05	12.01	12.02	---						15.72

WTR YR 1986 HIGH 11.68 MAR 20 LOW 15.72 SEP 30



WASHINGTON COUNTY--Continued

332223091043301. Local number, D178.

LOCATION.--Lat 33°22'23", long 91°04'33", Hydrologic Unit 08030209, sec.10, T.18 N., R.9 W., 2.5 mi north of intersection of State Highway 1 and U.S. 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.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

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.

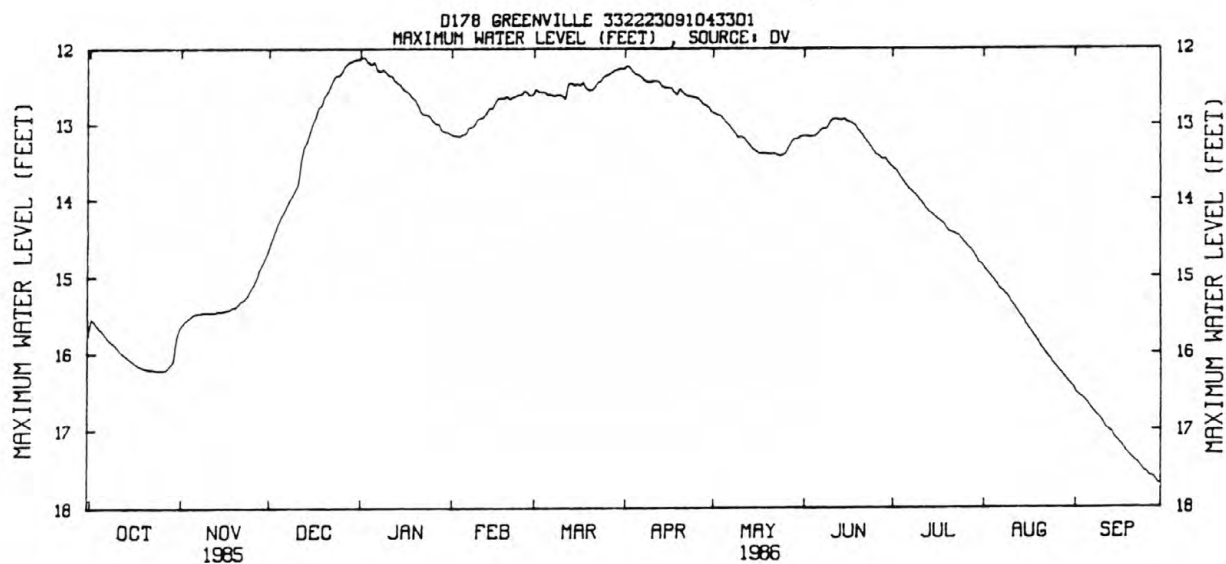
PERIOD OF RECORD.--May 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.19 ft above land-surface datum, May 19, 1983; lowest measured, 17.70 ft below land surface datum, Sept. 30, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.68	15.51	14.24	12.21	13.13	12.57	12.34	12.92	13.15	13.74	15.03	16.62
10	15.89	15.46	13.88	12.31	12.92	12.61	12.44	13.17	12.97	13.96	15.26	16.85
15	16.07	15.45	13.11	12.48	12.79	12.48	12.51	13.33	12.92	14.19	15.55	17.10
20	16.19	15.39	12.62	12.67	12.63	12.55	12.52	13.39	13.08	14.38	15.84	17.32
25	16.22	15.18	12.35	12.89	12.60	12.36	12.64	13.40	13.35	14.51	16.13	17.53
EOM	15.80	14.76	12.14	13.10	12.62	12.26	12.77	13.16	13.51	14.82	16.41	17.70

WTR YR 1986 HIGH 12.11 JAN 2 LOW 17.70 SEP 30



GROUND-WATER LEVELS

229

WASHINGTON COUNTY--Continued

330227090592001. Local number, S004.

LOCATION.--Lat 33°02'27", long 90°59'20", Hydrologic Unit 08030209, SW¼SE¼ sec.28, T.14 N., R.8 W., 1.2 mi northeast of center of Hampton on south side of State Highway 436.

Owner: Agricultural Chemical Corp.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 12 in, 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.

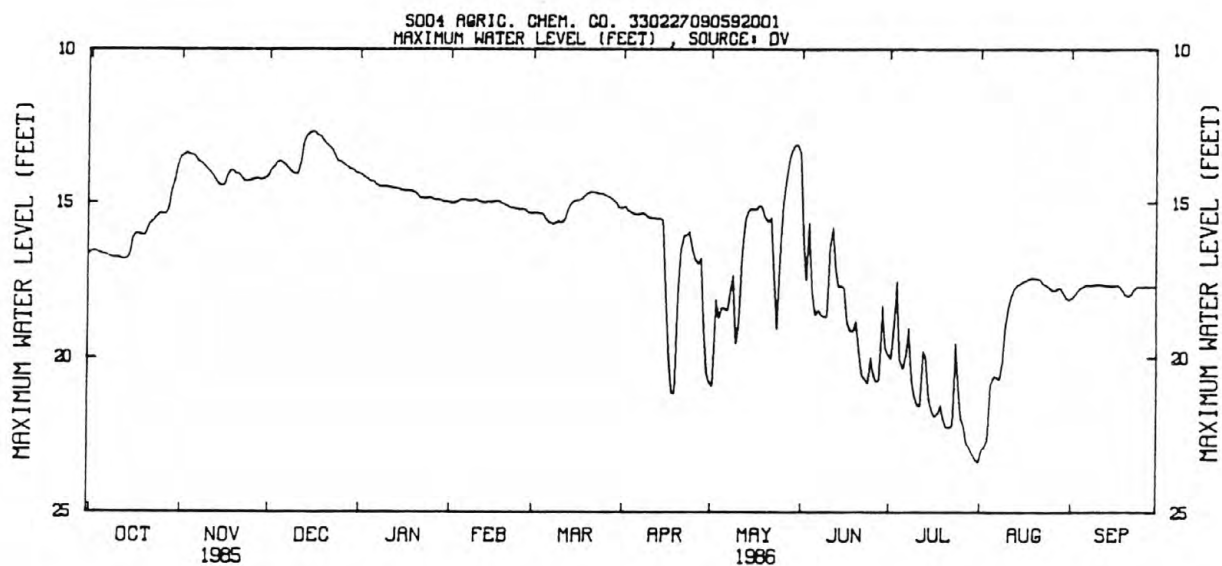
PERIOD OF RECORD.--January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.8 ft below land-surface datum, May 13, 1958; lowest measured, 23.39 ft below land-surface datum, Aug. 1, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	16.64	13.45	13.63	14.32	14.89	15.37	15.37	18.35	17.90	20.05	20.86	17.71
10	16.77	13.89	14.06	14.46	14.89	15.59	15.47	19.53	18.65	21.21	18.97	17.62
15	16.67	14.46	12.73	14.59	14.99	14.96	15.56	15.20	17.66	21.34	17.59	17.66
20	16.07	14.07	12.98	14.66	15.07	14.69	17.99	15.49	18.79	21.99	17.42	17.95
25	15.36	14.29	13.65	14.84	15.23	14.73	16.45	16.77	19.98	20.84	17.73	17.70
EOM	13.82	14.20	14.01	14.97	15.33	15.17	20.50	13.12	19.66	23.30	18.09	17.71

WTR YR 1986 HIGH 12.67 DEC 16 LOW 23.39 AUG 1



GROUND-WATER LEVELS

WEBSTER COUNTY

333021089202901. Local number, M028.

LOCATION.--Lat 33°30'21", long 89°20'29", Hydrologic Unit 08060201, SE1/4 sec.15, T.19 N., R.9 E., 5 mi southwest of center of Eupora off U.S. Highway 82.

Owner: Town of Eupora.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, depth 344 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is about 395 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder floor, 2.75 ft above land-surface datum.

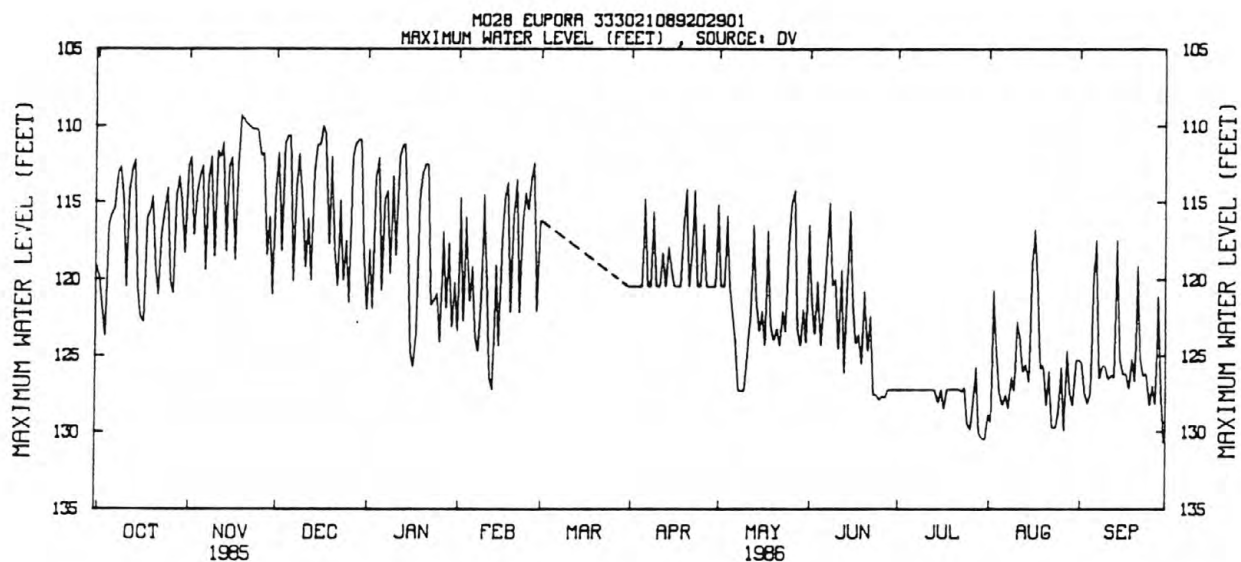
REMARKS.--Water levels affected by nearby pumping.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 98.09 ft below land-surface datum, Apr. 29, 1985, lowest measured, 130.62 ft below land-surface datum, Sept. 30, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	116.47	113.22	110.62	112.06	121.39	---	120.42	120.40	124.29	127.24	127.36	127.45
10	114.72	118.52	114.43	113.27	114.49	---	120.42	127.34	119.94	127.24	127.34	125.71
15	120.50	112.60	111.24	117.00	124.36	---	119.21	123.35	115.53	128.10	126.75	125.30
20	114.61	109.56	112.00	113.09	115.91	---	114.14	123.95	120.74	127.22	125.59	126.69
25	114.05	110.26	117.43	120.81	115.51	---	120.42	117.74	127.92	129.53	128.73	128.31
EOM	118.31	120.98	118.27	120.14	122.05	120.42	120.42	124.11	127.24	130.49	125.29	130.62
WTR YR 1986	HIGH	109.34	NOV 19	LOW	130.62	SEP 30						



GROUND-WATER LEVELS

231

YAZOO COUNTY

324850090412801. Local number, J012. (USCE L7Y1)

LOCATION.--Lat 32°48'50", long 90°41'28", Hydrologic Unit 08030207, NE1SE1 sec.10, T.11 N., R.5 W., 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 about 100 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.02 ft above land-surface datum.

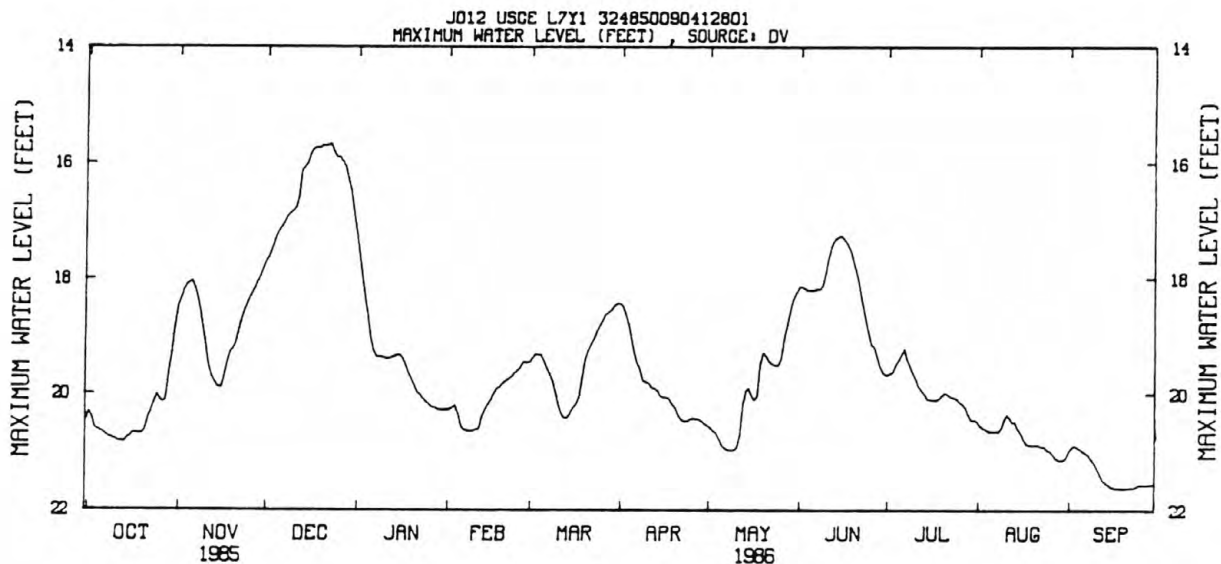
REMARKS.--Water levels affected by river stage.

PERIOD OF RECORD.--November 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.54 ft below land-surface datum, June 25, 1983; lowest measured, 25.37 ft below land-surface datum, Dec. 10, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	20.63	18.06	17.21	18.65	20.37	19.33	19.04	20.78	18.20	19.42	20.65	20.95
10	20.78	18.95	16.85	19.37	20.65	19.97	19.80	20.97	17.90	19.63	20.46	21.19
15	20.76	19.89	15.99	19.32	20.18	20.35	20.05	19.90	17.27	20.09	20.62	21.57
20	20.69	19.22	15.68	19.75	19.83	19.41	20.25	19.28	17.77	20.02	20.88	21.62
25	20.01	18.39	15.89	20.15	19.60	18.81	20.44	19.51	18.94	20.09	20.97	21.56
EOM	18.86	17.84	16.86	20.29	19.45	18.42	20.52	18.24	19.64	20.46	21.11	21.55
WTR YR 1986	HIGH	15.65 DEC 23	LOW	21.62 SEP 17								



GROUND-WATER LEVELS

YAZOO COUNTY--Continued

324615090375001. Local number, J013. (USCE L7Y2)

LOCATION.--Lat 32°46'15", long 90°37'50", Hydrologic Unit 08030207, SE¼NW¼ sec.19, T.11 N., R.4 W., 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 river stage.

PERIOD OF RECORD.--November 1978 to current year.

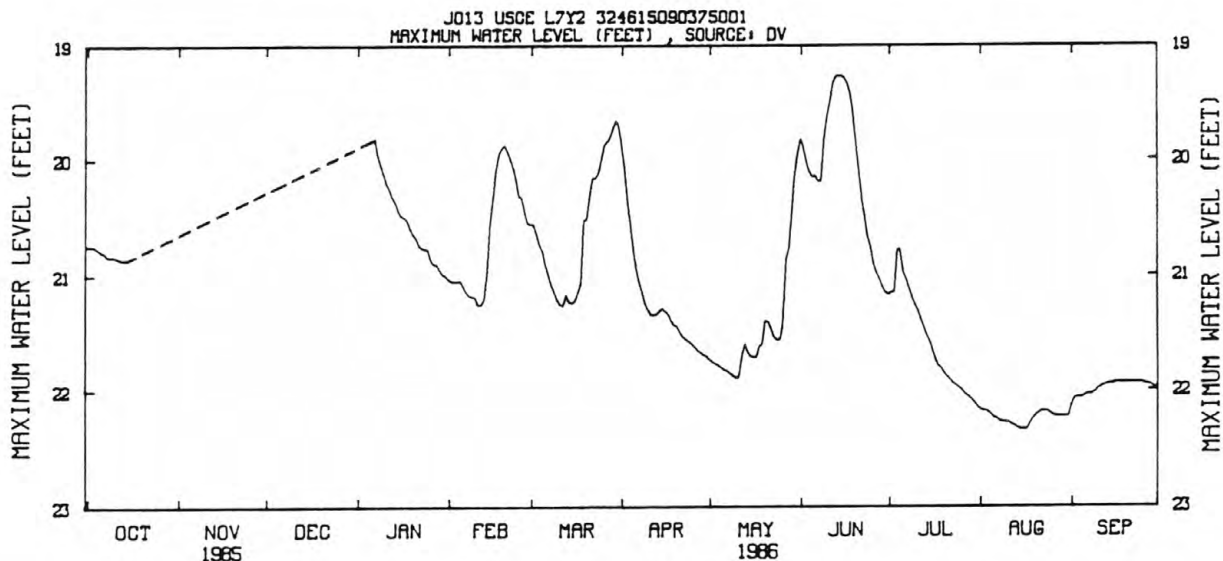
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.24 ft below land-surface datum, June 5, 1983; lowest measured, 25.90 ft above land-surface datum, Jan. 3, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	20.77			---	21.04	20.78	20.76	21.80	20.15	20.77	22.21	22.06
10	20.83			20.12	21.18	21.21	21.29	21.89	19.62	21.25	22.28	21.99
15	20.86			20.44	20.54	21.24	21.28	21.70	19.26	21.57	22.34	21.94
20	---			20.64	19.87	20.52	21.44	21.39	19.83	21.85	22.22	21.93
25	---			20.77	20.32	19.99	21.59	21.56	20.75	21.98	22.20	21.93
EOM	---			21.00	20.55	19.69	21.70	19.94	21.15	22.13	22.23	21.99

WTR YR 1986 HIGH 19.26 JUN 13 LOW 22.34 AUG 15



GROUND-WATER LEVELS

233

YAZOO COUNTY--Continued

324419090351201. Local number, P018. (USCE L7Y3)

LOCATION.--Lat 32°44'19", long 90°35'12", Hydrolic Unit 08030207, SW1SW4 sec.2, T.10 N., R.4 W., 5 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 river stage.

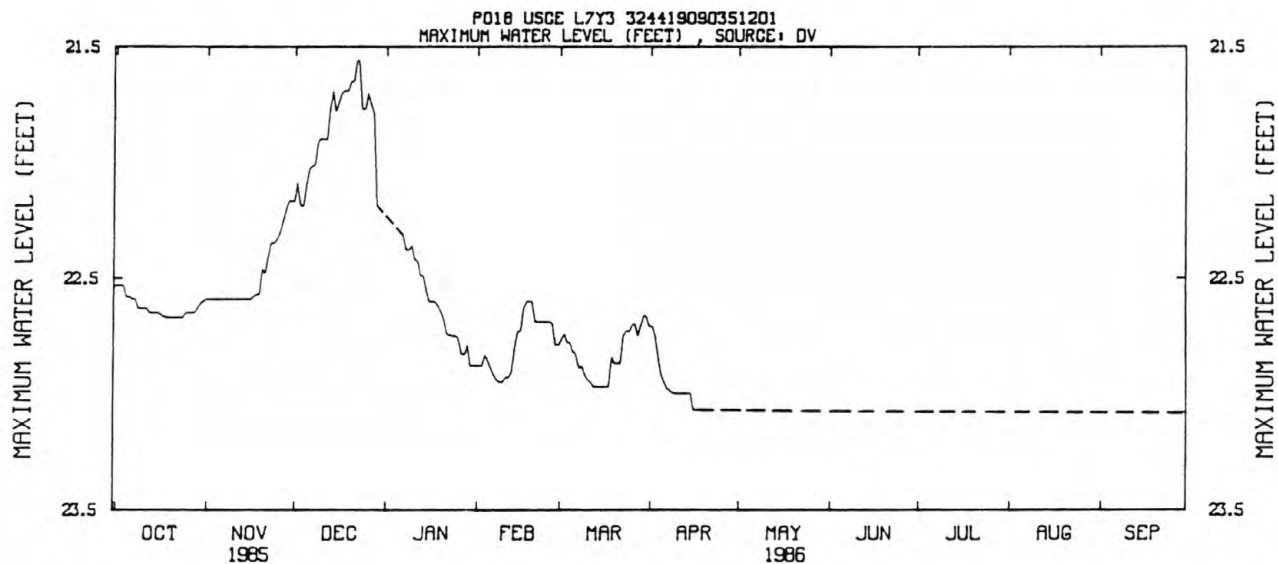
PERIOD OF RECORD.--November 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.72 ft below land-surface datum, May 7, 1980; lowest measured, 29.45 ft below land-surface datum, July 11, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	22.58	22.59	22.10	---	22.86	22.78	22.92					
10	22.63	22.59	21.90	22.36	22.95	22.92	23.00					
15	22.65	22.59	21.78	22.55	22.73	22.97	23.00					
20	22.67	22.46	21.65	22.64	22.60	22.87	---					
25	22.65	22.34	21.77	22.75	22.69	22.73	---					
EOM	22.60	22.17	---	22.88	22.79	22.67	---					

WTR YR 1986 HIGH 21.56 DEC 22 LOW 23.07 APR 16



GROUND-WATER LEVELS

ADAMS COUNTY

312730091200602. Local number, G007.

LOCATION.--Lat 31°27'30", long 91°20'06", Hydrologic Unit 08060205, NE¼NW¼ Lot 41, T.6 N., R.2 W., 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 about 220 ft above National Geodetic Vertical Datum of 1929. 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, 64.15 ft below land-surface datum, Nov. 7, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 19	63.36

312752091202201. Local number, G021.

LOCATION.--Lat 31°27'52", long 91°20'22", Hydrologic Unit 08060205, NE¼NW¼ Lot 41, T.6 N., R.2 W., 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 about 223 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--November 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 162.00 ft below land-surface datum, June 5, 1975; lowest measured, 171.97 ft below land-surface datum, Apr. 9, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 7	169.04	MAR 19	168.56

ALCORN COUNTY

345545088311002. Local number, G003.

LOCATION.--Lat 34°55'45", long 88°31'10", Hydrologic Unit 08010207, NW¼NW¼ sec.12, T.2 S., R.7 E., 0.5 mi south of center of Corinth.

Owner: City of Corinth.

AQUIFER.--Coffee Sand of Selma Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 245 ft.

DATUM.--Land-surface datum is about 432 ft above National Geodetic Vertical Datum of 1929. Measuring point: Air vent on railroad side of pump base, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--September 1961, September 1963, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.60 ft below land-surface datum, Sept. 27, 1961; lowest measured, 12.00 ft below land-surface datum, Oct. 8, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 9	11.38	APR 1	10.60

345604088321902. Local number, G101.

LOCATION.--Lat 34°56'04", long 88°32'19", Hydrologic Unit 08010207, SW¼SW¼ sec.2, T.2 S., R.7 E., 2 mi west of center of Corinth, 0.2 mi north of Ramada Inn.

Owner: City of Corinth.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 520 ft, cased to 460 ft.

DATUM.--Land-surface datum is about 480 ft above National Geodetic Vertical Datum of 1929. Measuring point: Hole in well head, 1.00 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 153.00 ft below land-surface datum, Mar. 14, 1974; lowest measured, 199.00 ft below land-surface datum, Feb. 11, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 9	161.18	APR 1	158.79

GROUND-WATER LEVELS

235

ALCORN COUNTY--Continued

344642088340501. Local number, K011.

LOCATION.--Lat 34°46'42", long 88°34'05", Hydrologic Unit 08010207, NW¼NE¼ sec.33, T.3 S., R.7 E., 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 about 460 ft above National Geodetic Vertical Datum of 1929. 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 31	131.33

344642088333001. Local number, K053.

LOCATION.--Lat 34°46'42", long 88°33'30", Hydrologic Unit 08010207, SW¼NW¼ sec.34, T.3 S., R.7 W., 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 about 450 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--July 1973, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.37 ft below land-surface datum, July 19, 1973; lowest measured, 47.38 ft below land-surface datum, Oct. 9, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 9	47.38	MAR 31	45.66

ATTALA COUNTY

330713089365302. Local number, G013.

LOCATION.--Lat 33°07'13", long 89°36'53", Hydrologic Unit 08060201, NW¼NE¼ sec.31, T.15 N., R.7 E., 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 about 361 ft above National Geodetic Vertical Datum of 1929. 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 7	13.94

330110089455001. Local number, K022.

LOCATION.--Lat 33°01'10", long 89°45'50", Hydrologic Unit 08060201, SW¼SW¼ sec.35, T.14 N., R.5 E., at center of Sallis.

Owner: Town of Sallis.

AQUIFER.--Sand of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in, depth reported 356 ft, cased to about 300 ft.

DATUM.--Land-surface datum is about 280 ft above National Geodetic Vertical Datum of 1929. 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, 1.00 ft above land-surface datum, Dec. 20, 1979.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 7	1.27

GROUND-WATER LEVELS

ATTALA COUNTY--Continued

330328089365901. Local number, M008.

LOCATION.--Lat 33°03'28", long 89°36'59", Hydrologic Unit 03180001, NE¼ sec.20, T.14 N., R.7 E., 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 about 423 ft above National Geodetic Vertical Datum of 1929. Measuring point: Air vent in pump base, 1.70 ft above land-surface datum.

PERIOD OF RECORD.--March 1962, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 107.10 ft below land-surface datum, Mar. 13, 1962; lowest measured, 128.15 ft below land-surface datum, Apr. 7, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE WATER
LEVEL

APR 7 128.15

330330089354501. Local number, M030. (replaced M029).

LOCATION.--Lat 33°03'30", long 89°35'45", Hydrologic Unit 03180001, SW¼NW¼ sec.21, T.14 N., R.7 E. 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 about 467 ft above National Geodetic Vertical Datum of 1929. 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, 147.85 ft below land-surface datum, Apr. 7, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE WATER
LEVEL

APR 7 147.85

330241089270501. Local number, N013.

LOCATION.--Lat 33°02'41", long 89°27'05", Hydrologic Unit 03180001, SE¼NW¼ sec.26, T.14 N., R.8 E., 8 mi east of center of Kosciusko on north side of State Highway 14.

Owner: Houston Veasey.

AQUIFER.--Meshoba 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 about 510 ft above National Geodetic Vertical Datum of 1929. 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 1985 TO SEPTEMBER 1986

DATE WATER
LEVEL

APR 7 23.77

325844089462701. Local number, Q014.

LOCATION.--Lat 32°58'44", long 89°46'27", Hydrologic Unit 08060201, NE¼SW¼ sec.15, T.13 N., R.5 E., 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 about 290 ft above National Geodetic Vertical Datum of 1929. 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, 4.96 ft below land-surface datum, Apr. 11, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE WATER
LEVEL

APR 7 4.60

GROUND-WATER LEVELS

237

ATTALA COUNTY--Continued

325902089333901. Local number, S021.

LOCATION.--Lat 32°59'02", long 89°33'39", Hydrologic Unit 03180001, SE¼NE¼ sec.15, T.13 N., R.7 E., 5 mi south of center of Kosciusko on east side of State Highway 35.

Owner: United Gas Co.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 360 ft, cased to 340 ft.

DATUM.--Land-surface datum is about 488 ft above National Geodetic Vertical Datum of 1929. 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, 170.14 ft below land-surface datum, Apr. 7, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
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APR 7	170.14
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BOLIVAR COUNTY

335630090461501. Local number, D031.

LOCATION.--Lat 33°56'30", long 90°46'15", Hydrologic Unit 08030207, SW¼NE¼ sec.12, T.24 N., R.6 W., 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 about 147 ft above National Geodetic Vertical Datum of 1929. 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 1985 to SEPTEMBER 1986

DATE	WATER LEVEL
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MAR 25	31.30
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335558090465202. Local number, D032.

LOCATION.--Lat 33°55'58", long 90°46'52", Hydrologic Unit 08030207, SE¼NE¼ sec.14, T.24 N., R.6 W., 1.5 mi south-west 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 about 150 ft above National Geodetic Vertical Datum of 1929. 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
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MAR 25	34.22
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334957090564301. Local number, F020.

LOCATION.--Lat 33°49'57", long 90°56'43", Hydrologic Unit 08030207, NE¼NW¼ sec.20, T.23 N., R.7 W., 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 about 145 ft above National Geodetic Vertical Datum of 1929. 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, 57.32 ft below land-surface datum, Sept. 7, 1955.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 25	26.57	AUG 21	28.28	SEP 30	28.80

GROUND-WATER LEVELS

BOLIVAR COUNTY--Continued

334700090584501. Local number, J008.

LOCATION.--Lat 33°47'00", long 90°58'45", Hydrologic Unit 08030207, SW¼NE¼ sec.27, T.22 N., R.8 W., near center of Beulah.

Owner: Town of Beulah.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 8 in, depth 754 ft.

DATUM.--Land-surface datum is about 145 ft above National Geodetic Vertical Datum of 1929. 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, 38.50 ft below land-surface datum, Sept. 26, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 25	35.95

334106090590902. Local number, N002.

LOCATION.--Lat 33°41'06", long 90°59'09", Hydrologic Unit 08030207, SE¼NW¼ sec.34, T.21 N., R.8 W., 2.5 mi northeast of center of Benoit on east side of State Highway 1.

Owner: Welsnans 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 about 135 ft above National Geodetic Vertical Datum of 1929. 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 25	20.16	APR 22	19.87	AUG 21	21.61

333959090435001. Local number, Q150.

LOCATION.--Lat 33°39'59", long 90°43'50", Hydrologic Unit 08030207, NE¼SE¼ sec.17, T.21 N., R.5 W., at O'Reilly at gin.

Owner: Jones Bayou Gin Association.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 3-2 in, depth 1,310 ft, cased to 1,310 ft.

DATUM.--Land-surface datum is 133.66 ft above National Geodetic Vertical Datum of 1929. 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, 18.23 ft below land-surface datum, Mar. 25, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 25	18.23

333530090582401. Local number, R064.

LOCATION.--Lat 33°35'30", long 90°58'24", Hydrologic Unit 08030209, SE¼SE¼ sec.12, T.20 N., R.8 W., at Stringtown.

Owner: H and H Planting Co.

AQUIFER.--Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 520 ft.

DATUM.--Land-surface datum is about 133 ft above National Geodetic Vertical Datum of 1929. 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, 40.65 ft below land-surface datum, Mar. 25, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 25	40.65

CALHOUN COUNTY

335118089175901. Local number, K101.

LOCATION.--Lat 33°51'18", long 89°17'59", Hydrologic Unit 08030205, NE¼SW¼ sec.13, T.23 N., R.9 E., 0.3 mi 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 about 270 ft above National Geodetic Vertical Datum of 1929. 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, 93.79 ft below land-surface datum, Mar. 31, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 8	91.46	MAR 31	93.79

CARROLL COUNTY

333116089550401. Local number, F001.

LOCATION.--Lat 33°31'16", long 89°55'04", Hydrologic Unit 08030205, SE¼SW¼ sec.7, T.19 N., R.4 E., near center of North Carrollton at old water plant.

Owner: 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 about 230 ft above National Geodetic Vertical Datum of 1929. Measuring point: Faucet below pump base, 0.50 ft above land-surface datum.

PERIOD OF RECORD.--March 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.00 ft above land-surface datum, Mar. 21, 1979; lowest measured, 5.56 ft above land-surface datum, Apr. 11, 1983.

NOTE: No measurement made in 1986.

333057089552002. Local number, F019.

LOCATION.--Lat 33°30'57", long 89°55'20", Hydrologic Unit 08030205, SE¼SW¼ sec.7, T.19 N., R.4 E., 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 about 225 ft above National Geodetic Vertical Datum of 1929. 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 current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.00 ft below land-surface datum, May 1, 1961; lowest measured, 13.04 ft below land-surface datum, Oct. 10, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 27	12.27

CHICKASAW COUNTY

340030088444801. Local number, D006.

LOCATION.--Lat 34°00'30", long 88°44'48", Hydrologic Unit 03160101, NW¼SE¼ sec.26, T.12 S., R.5 E., at Okolona at old water plant.

Owner: Town of Okolona.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, 10 in, depth reported 400 ft.

DATUM.--Land-surface datum is about 307 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete well base, 2.50 ft above land-surface datum.

PERIOD OF RECORD.--1917, October 1956, December 1958, October 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 87 ft below land-surface datum, 1917; lowest measured, 161.0 ft below land-surface datum, Nov. 30, 1982.

WATER LEVEL, IN FEET, BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	157.65	APR 2	157.30

GROUND-WATER LEVELS

CHICKASAW COUNTY--Continued

335400088595001. Local number, F016.

LOCATION.--Lat 33°54'00", long 88°59'50", Hydrologic Unit 03160104, SW¼SW¼ sec.33, T.13 S., R.3 E., 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 about 340 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in pump base, 1.20 ft above land-surface datum.

PERIOD OF RECORD.--1931, July 1940, November 1970, 1971, October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 80 ft below land-surface datum, 1940; lowest measured 181.55 ft below land-surface datum, May 15, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 8	161.77	APR 2	155.13

335400088594601. Local number, F018.

LOCATION.--Lat 33°54'00", long 88°59'46", Hydrologic Unit 03160104, SW¼SW¼, sec.33, T.13 S., R.3 E., 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 about 340 ft above National Geodetic Vertical Datum of 1929. 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, 58.90 ft below land-surface datum, Apr. 2, 1986; lowest measured, 64 ft below land-surface datum May 24, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 8	60.60	APR 2	58.90

335136089005301. Local number, K037.

LOCATION.--Lat 33°51'36", long 89°00'53", Hydrologic Unit 03180001, SW¼SW¼ sec.17, T.14 S., R.3 E., 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 about 320 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 59.40 ft 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 8	64.00	APR 2	64.97

CHOCTAW COUNTY

331543089171801. Local number, J035.

LOCATION.--Lat 33°15'43", long 89°17'18", Hydrologic Unit 03180001, NW¼SE¼ sec.8, T.16 N., R.10 E., 0.3 mi south of center of Weir near Baptist Church.

Owner: Inez Power.

AQUIFER.--Sand of upper part of Wilcox Group of early Eocene age.

WELL CHARACTERISTICS.--Dug unused artesian well, diameter 30 in, depth 28 ft.

DATUM.--Land-surface datum is about 485 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 30-in concrete curb, 2.00 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.86 ft below land-surface datum, May 7, 1980; lowest measured, 22.97 ft below land-surface datum, Dec. 18, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 7	21.22	OCT 24	21.48	DEC 5	21.04	JAN 10	20.95	MAR 31	21.17	JUL 24	22.26

CLAIBORNE COUNTY

315718090591501. Local number, L005.

LOCATION.--Lat 31°57'18", long 90°59'15", Hydrologic Unit 08060203, Irregular Lot 4, T.11 N., R.2 E., 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 about 120 ft above National Geodetic Vertical Datum of 1929. 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 7	121.34	MAR 19	119.99

CLAY COUNTY

333530088393501. Local number, H151.

LOCATION.--Lat 33°35'30", long 88°39'35", Hydrologic Unit 03160104, NE¼NW¼ sec.22, T.17 S., R.6 E., 4.5 mi north of West Point on west side of U.S. Highway 45.

Owner: Prairie Livestock.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 400 ft.

DATUM.--Land-surface datum is about 205 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent, at land-surface datum.

PERIOD OF RECORD.--September 1976 to April 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 160.82 ft below land-surface datum, Apr. 5, 1978; lowest measured, 190.20 ft below land-surface datum, Oct. 5, 1978.

NOTE: No Measurement made in 1986.

COAHOMA COUNTY

342400090322001. Local number, C111.

LOCATION.--Lat 34°24'00", long 90°32'20", Hydrologic Unit 08030204, NW¼SW¼ sec.7, T.29 N., R.2 W., 1 mi 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, 11.45 ft below land-surface datum, Mar. 25, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 25	11.45

341720090304301. Local number, F012.

LOCATION.--Lat 34°17'19", long 90°30'43", Hydrologic Unit 08030207, NE¼NW¼ sec.21, T.28 N., R.3 W., 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 about 168 ft above National Geodetic Vertical Datum of 1929. 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, 14.68 ft below land-surface datum, Mar. 25, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 25	14.68

GROUND-WATER LEVELS

COAHOMA COUNTY--Continued

341230090323101. Local number, K022.

LOCATION.--Lat 34°12'30", long 90°32'31", Hydrologic Unit 08030207, SW¼NE¼ sec.18, T.27 N., R.3 W., near center of Lyon.

Owner: Town of Lyon.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 1,242 ft.

DATUM.--Land-surface datum is about 170 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.50 ft above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--October 1961, August 1973, July 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30 ft above land-surface datum, Oct. 30, 1961; lowest measured, 26.58 ft below land-surface datum, Mar. 26, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 25	25.12

COPIAH COUNTY

315128090205202. Local number, P049.

LOCATION.--Lat 31°51'28", long 90°20'52", Hydrologic Unit 031800003, NE¼NE¼ sec.12, T.10 N., R.8 E., 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 about 435 ft above National Geodetic Vertical Datum of 1929. 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 4	138.37

COVINGTON COUNTY

314447089302201. Local number, C028.

LOCATION.--Lat 31°44'47", long 89°30'22", Hydrologic Unit 03170004, NW¼SW¼ sec.15, T.9 N., R.15 W., 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 about 400 ft above National Geodetic Vertical Datum of 1929. 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 21	123.13

313352089243202. Local number, L019.

LOCATION.--Lat 31°33'52", long 89°24'32", Hydrologic Unit 03170004, NE¼NW¼ sec.21, T.7 N., R.14 W., 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 about 435 ft above National Geodetic Vertical Datum of 1929. 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, 333.54 ft below land-surface datum, April 13, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
DEC 16	307.37

GROUND-WATER LEVELS

243

DE SOTO COUNTY

345726089492901. Local number, D002.

LOCATION.--Lat 34°57'26" long 89°49'29", Hydrologic Unit 08030204, SE¼NW¼ sec.34, T.1 S., R.6 W., 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 about 400 ft above National Geodetic Vertical Datum of 1929. 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 26	141.18

FORREST COUNTY

311834089170101. Local number, D008.

LOCATION.--Lat 31°18'34", long 89°17'01", Hydrologic Unit 03170005, SE¼NE¼ sec.15, T.4 N., R.13 W., 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 about 140 ft above National Geodetic Vertical Datum of 1929. 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 20	77.49	APR 21	79.55

311958089195001. Local number, D108.

LOCATION.--Lat 31°19'58", long 89°07'31", Hydrologic Unit 03170005, SE¼SE¼ sec.6, T.4 N., R.13 W., 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 about 200 ft above National Geodetic Vertical Datum of 1929. 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, 84.2 ft below land-surface datum, Oct. 2, 1985; lowest measured, 86.19 ft below land-surface datum, Oct. 14, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 22	84.39	OCT 14	86.19

311137089110501. Local number, G116.

LOCATION.--Lat 31°11'37", long 89°11'05", Hydrologic Unit 03170007, SW¼NE¼ sec.27, T.3 N., R.12 W., 3 mi 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 about 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 16	143.97	APR 21	144.26

GROUND-WATER LEVELS

FORREST COUNTY--Continued

310135089093101. Local number, L049 (replaces L023).

LOCATION.--Lat 31°01'35", long 89°09'31", Hydrologic Unit 03170007, NW¼NW¼ sec.25, T.1 N., R.12 W., 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 about 275 ft above National Geodetic Vertical Datum of 1929. 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
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APR 21	182.80
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FRANKLIN COUNTY

313026091035101. Local number, F001.

LOCATION.--Lat 31°30'26", long 91°03'51", Hydrologic Unit 08060205, NW¼NE¼ sec.19, T.6 N., R.1 E., 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 about 230 ft above National Geodetic Vertical Datum of 1929. 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
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NOV 6	21.05	MAR 18	19.85
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GREENE COUNTY

311435088312201 (Formerly 313530088310501). Local number, M002.

LOCATION.--Lat 31°35'30", long 88°31'05", Hydrologic Unit 03170003, NE¼NW¼ sec.7, T.3 N., R.5 W., 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 about 107 ft above National Geodetic Vertical Datum of 1929. 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, 12.71 ft above land-surface datum, Apr. 22, 1986.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
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APR 22	12.71
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310856088325401. Local number, P039.

LOCATION.--Lat 31°08'56", long 88°32'54", Hydrologic Unit 03170003, NW¼SW¼ sec.12, T.2 N., R.6 W., 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 well, diameter 2 in, depth 341 ft.

DATUM.--Land-surface datum is about 80 ft above National Geodetic Vertical Datum of 1929. Measuring point: End of 2-in pipe, 2.00 ft above land-surface datum.

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, 11.40 ft above land-surface datum, Apr. 22, 1986.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
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APR 22	11.40
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GRENADA COUNTY

335032089473101. Local number, B102.

LOCATION.--Lat 33°50'32", long 89°47'31", Hydrologic Unit 08030205, SE¼SE¼ sec.20, T.23 N., R.5 E., 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 about 210 ft above National Geodetic Vertical Datum of 1929. 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, 1.72 ft below land-surface datum, Mar. 29, 1984; lowest measured, 7.48 ft below land-surface datum, Mar. 27, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 27	7.48

334556089583501. Local number, F112.

LOCATION.--Lat 33°45'56", long 89°58'45", Hydrologic Unit 08030205, SE¼SE¼ sec.16, T.22 N., R.3 E., 0.2 mi north-west 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, 6.0 ft above land-surface datum, Apr. 28, 1977.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 27	7.72

334128089441701. Local number, H111.

LOCATION.--Lat 33°41'28", long 89°44'17", Hydrologic Unit 08030205, SE¼SE¼ sec.11, T.21 N., R.5 E., 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, 3.92 ft below land-surface datum, Mar. 27, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 27	3.92

334147089433801. Local number, H113.

LOCATION.--Lat 33°41'47", long 89°43'38", Hydrologic Unit 08030205, NE¼SW¼ sec.12, T.21 N., R.5 E., 1.5 mi 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, 1.96 ft below land-surface datum, Mar. 21, 1979; lowest measured, 15.74 ft below land-surface datum, Nov. 6, 1957.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 27	9.47

GROUND-WATER LEVELS
GRENADA COUNTY--Continued

334148089425701. Local number, J002.

LOCATION.--Lat 33°41'48", long 89°42'57", Hydrologic Unit 08030205, NW¼SW¼ sec.7, T.21 N., R.6 E., 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, 17.72 ft below land-surface datum, Apr. 15, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 27	17.32

HANCOCK COUNTY

302158089372901. Local number, H003.

LOCATION.--Lat 30°21'58", long 89°37'29", Hydrologic Unit 03180004, SW¼NW¼ sec.8, T.8 S., R.16 W., 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

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 about 28 ft above National Geodetic Vertical Datum of 1929. 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, 47.1 ft above land-surface datum, Apr. 17, 1985.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	47.6	APR 23	47.4

302140089345901. Local number, H004.

LOCATION.--Lat 30°21'40", long 89°34'59", Hydrologic Unit 03180004, NE¼SE¼ sec.10, T.8 S., R.16 W., 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

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 about 21 ft above National Geodetic Vertical Datum of 1929. 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, 60.5 ft above land-surface datum, Oct. 16, 1985.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	60.5	APR 23	65.9

302227089373001. Local number, H005.

LOCATION.--Lat 30°22'27", long 89°37'30", Hydrologic Unit 03180004, NE¼SW¼ sec.5, T.8 S., R.16 W., 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

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 about 29 ft above National Geodetic Vertical Datum of 1929. 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, 45.7 ft above land-surface datum Apr. 23, 1986.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	52.2	APR 23	45.7

HANCOCK COUNTY--Continued

302140089351401. Local number, H006.

LOCATION.--Lat 30°21'40", long 89°35'14", Hydrologic Unit 03180004, NE¼SW¼ sec.10, T.8 S., R.16 W., 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

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 about 23 ft above National Geodetic Vertical Datum of 1929. 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 ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	49.0	APR 23	56.8

302206089350601. Local number, H007.

LOCATION.--Lat 30°22'06", long 89°35'06", Hydrologic Unit 03180004, NW¼NE¼ sec.10, T.8 S., R.16 W., 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

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 about 25 ft above National Geodetic Vertical Datum of 1929. 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, 52.8 ft above land-surface datum, Apr. 23, 1986.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	54.6	APR 23	52.8

302126089351401. Local number, H008.

LOCATION.--Lat 30°21'26", long 89°35'14", Hydrologic Unit 03180004, SW¼SE¼ sec.10, T.8 S., R.16 W., 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

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 about 19 ft above National Geodetic Vertical Datum of 1929. 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, 0.60 ft above land-surface datum, Apr. 23, 1986.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	4.2	APR 23	0.60

302118089351501. Local number, H011.

LOCATION.--Lat 30°21'18", long 89°35'15", Hydrologic Unit 03180004, NW¼NE¼ sec.15, T.8 S., R.16 W., 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

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, 6.95 ft above land-surface datum, Apr. 17, 1985.

NOTE: No measurement made in 1986.

GROUND-WATER LEVELS

HANCOCK COUNTY--Continued

302118089351502. Local number, H012.

LOCATION.--Lat 30°21'18", long 89°35'15", Hydrologic Unit 03180004, NW¼ sec.15, T.8 S., R.16 W., 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

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, 4.87 ft above land-surface datum, Apr. 17, 1985.

NOTE: No measurement made in 1986.

302118089351503. Local number, H013.

LOCATION.--Lat 30°21'18", long 89°35'15", Hydrologic Unit 03180004, NW¼ sec.15, T.8 S., R.16 W., 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

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, 1.0 ft above land-surface datum, Apr. 11, 1968.

NOTE: No measurement made in 1986.

302118089351504. Local number, H014.

LOCATION.--Lat 30°21'18", long 89°35'15", Hydrologic Unit 03180004, NE¼ sec.15, T.8 S., R.16 W., 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Citronelle Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 144 ft, cased to 84 ft.

DATUM.--Land-surface datum is about 20 ft above National Geodetic Vertical Datum of 1929. 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.

NOTE: No measurement made in 1986.

301858089202301. Local number, K001.

LOCATION.--Lat 30°18'58", long 89°20'23", Hydrologic Unit 03170009, NW¼SW¼ sec.3, T.8 S., R.13 W., 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 about 16 ft above National Geodetic Vertical Datum of 1929. 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, 5.93 ft below land-surface datum, Nov. 12, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 12	5.93	APR 23	5.29

301900089201801. Local number, K004.

LOCATION.--Lat 30°19'00", long 89°20'18", Hydrologic Unit 03170009, SW¼ sec.30, T.8 S., R.13 W., 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 about 16 ft above National Geodetic Vertical Datum of 1929. 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, 2.40 ft above land-surface datum, Apr. 17, 1985.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
NOV 12	3.2

HARRISON COUNTY

303110089070201. Local number, G121.

LOCATION.--Lat 30°31'10", long 87°07'02", Hydrologic Unit 03170009, NE¼SW¼ sec.17, T.6 S., R.11 W., 2 mi northwest of center of Lyman at fish hatchery.

Owner: Mississippi Game and Fish Commission.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in, depth 456 ft, screened 416-456 ft.

DATUM.--Land-surface datum is about 70 ft above National Geodetic Vertical Datum of 1929. 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, 64.90 ft below land-surface datum, May 1, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAY 1	64.90

302240089025401. Local number, L144.

LOCATION.--Lat 30°22'40", long 89°02'54", Hydrologic Unit 03170009, SW¼NW¼ sec.1, T.8 S., R.11 W., 2.5 mi 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 about 21 ft above National Geodetic Vertical Datum of 1929. 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, 45.29 ft below land-surface datum, Apr. 23, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 23	45.29

302200089053301. Local number, L154.

LOCATION.--Lat 30°22'00", long 89°05'33", Hydrologic Unit 03170009, NW¼NE¼ sec.9, T.8 S., R.11 W., at center of Gulfport at post office at U.S. Highways 49 and 90.

Owner: U.S. Post Office Dept., Gulfport.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in, 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	13.52	APR 23	14.01

302403089141801. Local number, L454.

LOCATION.--Lat 30°24'03", long 89°14'18", Hydrologic Unit 03170009, SW¼SW¼ sec.30, T.7 S., R.11 W., 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 about 20 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 3-in pipe, 3.0 ft of above land surface datum.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 67.0 ft above land-surface datum, Dec. 10, 1985; lowest measured, 53.1 ft above land-surface datum, Apr. 23, 1986.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	67.0	APR 23	53.1

GROUND-WATER LEVELS

HARRISON COUNTY--Continued

302410089082201. Local number, L654.

LOCATION.--Lat 30°24'10", long 89°08'22", Hydrologic Unit 03170009, SW¼SE¼ sec.30, T.7 S., R.11 W., 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 about 17 ft above National Geodetic Vertical Datum of 1929. 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 and lowest water level measured, 46.8 ft above land-surface datum, Apr. 30, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 30	46.8

301856089145301. Local number, N003.

LOCATION.--Lat 30°18'56", long 89°14'53", Hydrologic Unit 03170009, SW¼NW¼ sec.30, T.8 S., R.13 W., 0.1 mi north-west 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 about 15 ft above National Geodetic Vertical Datum of 1929. 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, 3.42 ft below land-surface datum, Apr. 23, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 23	3.42

HINDS COUNTY

322828090170501. Local number, C015.

LOCATION.--Lat 32°28'28", long 90°17'05", Hydrologic Unit 08060202, SW¼SE¼ sec.3, T.2 N., R.1 W., 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 unused artesian well, diameter 4 in, depth reported 786 ft.

DATUM.--Land-surface datum is about 240 ft above National Geodetic Vertical Datum of 1929. Measuring point: Hole in plate on well head, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--September 1959, September 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 87.60 ft below land-surface datum, Sept. 15, 1959; lowest measured, 122.98 ft below land-surface datum, July 18, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	121.55	MAR 28	119.49	JUL 18	122.98

321949090361501. Local number, D001.

LOCATION.--Lat 32°19'49", long 90°36'15", Hydrologic Unit 08060202, SW¼SW¼ sec.27, T.6 N., R.4 W., 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 about 220 ft above National Geodetic Vertical Datum of 1929. Measuring point: Breather hole in west side of pump base, at land-surface datum.

PERIOD OF RECORD.--1930, September 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 84 ft 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	135.55	MAR 25	117.09	JUL 18	117.87

HINDS COUNTY--Continued

322112090195601. Local number, G059.

LOCATION.--Lat 32°21'12", long 90°19'56", Hydrologic Unit 08060202, NW¼ sec.19, T.6 N., R.1 W., at Clinton Industrial Park, off west Northside Drive.

Owner: Clinton Industrial Park.

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 about 325 ft above National Geodetic Vertical Datum of 1929. Measuring point: Air vent at pump base, 2.10 ft above land-surface datum.

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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUL 10	229.10	AUG 20	293.30	SEP 23	293.45

322301090090001. Local number, H023.

LOCATION.--Lat 32°23'01", long 90°09'00", Hydrologic Unit 03180002, NW¼ sec.12, T.6 N., R.1 E., 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 about 315 ft above National Geodetic Vertical Datum of 1929. 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, 237.07 ft below land-surface datum, Dec. 22, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	229.15	DEC 23	227.17	FEB 13	226.67	APR 18	226.93	JUN 30	228.01	AUG 20	229.34
NOV 26	227.74	JAN 16	226.07	MAR 17	226.35	MAY 28	226.55	JUL 18	228.57	SEP 23	229.45

322021090114101. Local number, H043.

LOCATION.--Lat 32°20'21", long 90°11'41", Hydrologic Unit 03180002, NE¼ sec.23, T.6 N., R.1 E., 6 mi north of center of Jackson at Livingston Road and Stonewall Street.

Owner: Royster Company.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 850 ft.

DATUM.--Land-surface datum is 336.83 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--April 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 186.69 ft below land-surface datum, Apr. 12, 1957; lowest measured, 264.44 ft below land-surface datum, Jan. 27, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	252.70	DEC 23	248.57	FEB 13	247.57	APR 18	247.44	JUN 30	248.10	AUG 20	250.70
NOV 26	248.45	JAN 16	247.98	MAR 17	246.88	MAY 28	247.75	JUL 18	250.10	SEP 23	249.96

322241090073701. Local number, H160.

LOCATION.--Lat 32°22'41", long 90°07'37", Hydrologic Unit 03180002, SE¼ sec.7, T.6 N., R.2 E., 7 mi 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 about 305 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 136.73 ft below land-surface datum, Mar. 30, 1954; lowest measured, 216.09 ft below land-surface datum, Sept. 25, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	214.03	DEC 23	211.90	FEB 13	211.45	APR 18	212.29	JUN 30	214.25	AUG 20	214.48
NOV 26	212.52	JAN 16	211.80	MAR 17	211.40	MAY 28	211.74	JUL 18	214.41	SEP 23	215.52

HINDS COUNTY--Continued

32223090132801. Local number, H163.

LOCATION.--Lat 32°22'23", long 90°13'28", Hydrologic Unit 03180002, SW¼SW¼ sec.8, T.6 N., R.1 E., 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 about 360 ft above National Geodetic Vertical Datum of 1929. Measuring point: 1½ in plug at top of well head, 1.50 ft above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

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, 297.24 ft below land-surface datum Sept. 19, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	290.87	DEC 23	288.84	FEB 13	286.94	APR 18	286.59	JUN 30	287.31	AUG 20	289.70
NOV 26	289.46	JAN 16	287.18	MAR 28	287.94	MAY 28	289.31	JUL 18	289.75	SEP 23	288.88

32222090095201. Local number, H164.

LOCATION.--Lat 32°22'22", long 90°09'52", Hydrologic Unit 03180002, SW¼SE¼ sec.11, T.6 N., R.1 E., 7 mi 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 about 298 ft above National Geodetic Vertical Datum of 1929. 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 217.20 ft below land-surface datum, Nov. 25, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	213.54	DEC 23	211.43	FEB 13	211.08	APR 18	210.86	JUN 30	212.10	AUG 20	214.12
NOV 26	212.28	JAN 16	211.17	MAR 17	210.59	MAY 28	211.05	JUL 18	212.82	SEP 23	213.29

321512090283301. Local number, K055.

LOCATION.--Lat 32°15'12", long 90°28'33", Hydrologic Unit 08060202, NW¼NE¼ sec.26, T.5 N., R.3 W., 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 about 242 ft above National Geodetic Vertical Datum of 1929. 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, 64.22 ft below land-surface datum, Oct. 30, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	64.17	APR 4	63.39	JUL 23	64.64

321521090245101. Local number, L005.

LOCATION.--Lat 32°15'21", long 90°24'51", Hydrologic Unit 08060202, NE¼NW¼ sec.20, T.5 N., R.2 E., 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 about 328 ft above National Geodetic Vertical Datum of 1929. 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, 238.43 ft below land-surface datum, July 23, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	231.41	APR 4	237.03	JUL 23	238.43

HINDS COUNTY--Continued

321752090102601. Local number, N092.

LOCATION.--Lat 32°17'52", long 90°10'26", Hydrologic Unit 03180002, SW¼SW¼ sec.2, T.5 N., R.1 E., southeast corner of Mississippi State Fairgrounds off Jefferson Street.

Owner: Mississippi State Fairground 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 about 271 ft above National Geodetic Vertical Datum of 1929. 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 99.83 ft below land-surface datum, Sept. 23, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 6	99.01	SEP 23	99.83

321300090142001. Local number, R023.

LOCATION.--Lat 32°13'00", long 90°14'20", Hydrologic Unit 03180002, SE¼NW¼ sec.6, T.4 N., R.1 E., 6 mi south of center of Jackson at Taylorsville on Elton Road near Terry Road.

Owner: Glen Bright

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 840 ft.

DATUM.--Land-surface datum is about 380 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--June 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 220.97 ft below land-surface datum, June 30, 1959; lowest measured, 272.99 ft below land-surface datum, Mar. 21, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	262.47	APR 4	261.82

320554090173902 (Formerly 320430090543302). Local number, V033.

LOCATION.--Lat 32°04'30", long 90°54'33", Hydrologic Unit 03180002, NW¼SW¼ sec.15, T.3 N., R.1 W., 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 about 286 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 2.50 ft above land-surface datum.

REMARKS.--Standby well, pumped occasionally.

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, 133.14 ft below land-surface datum, July 23, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	128.90	MAR 18	129.34	JUL 23	133.14

HOLMES COUNTY

330650090034501. Local number, L043.

LOCATION.--Lat 33°06'50", long 90°03'45", Hydrologic Unit 08030206, SW¼NE¼ sec.35, T.15 N., R.2 E., 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 about 205 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of tee at well head, at land-surface datum.

PERIOD OF RECORD.--October 1957, January 1959, April 1962, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.90 ft above land-surface datum, Jan. 12, 1959; lowest measured, 2.58 ft below land-surface datum, Apr. 7, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 7	2.58

GROUND-WATER LEVELS

HOLMES COUNTY--Continued

330448090192201. Local number, P159.

LOCATION.--Lat 33°04'48", long 90°19'22", Hydrologic Unit 08030206, NE¼NW¼ sec.8, T.14 N., R.1 W., at Thornton.

Owner: M. L. Smith.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled 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 ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 8	67.9

330443089512503. Local number, T004.

LOCATION.--Lat 33°04'43", long 89°51'25", Hydrologic Unit 08060201, SE¼ sec.11, T.14 N., R.4 E., 0.3 mi northwest of center of Durant at Lamar Street and Ramsey Street.

Owner: Town of Durant.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 700 ft.

DATUM.--Land-surface datum is about 267 ft above National Geodetic Vertical Datum of 1929. Measuring point: 3/4-in hole in west side of well head, about 1.00 ft above land-surface datum.

PERIOD OF RECORD.--January 1957, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6 ft above land-surface datum, January 1957; lowest measured, 27.92 ft below land-surface datum, Apr. 8, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 7	25.65

330420089510901. Local number, T014.

LOCATION.--Lat 33°04'20", long 89°51'09", Hydrologic Unit 08060201, SE¼NE¼ sec.14, T.14 N., R.4 E., 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 about 263 ft above National Geodetic Vertical Datum of 1929. 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, 11.30 ft below land-surface datum, Apr. 7, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 7	11.33

HUMPHREYS COUNTY

331539090351701. Local number, 8014.

LOCATION.--Lat 33°15'39", long 90°35'17", Hydrologic Unit 08030207, SW¼NW¼ sec.2, T.16 N., R.4 W., 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 about 111 ft above National Geodetic Vertical Datum of 1929. 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, 11.0 ft above land-surface datum, Apr. 15, 1984.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 28	13.86

HUMPHREYS COUNTY--Continued

330606090353501. Local number, E088.

LOCATION.--Lat 33°06'06", long 90°35'35", Hydrologic Unit 08030207, NW¼SW¼ sec.35, T.15 N., R.4 W., 7.5 mi south-west 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 about 96 ft above National Geodetic Vertical Datum of 1929. 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, 18 ft below land-surface datum, 1979; lowest measured, 26.96 ft below land-surface datum Sept. 3, 1986.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
SEP 3	26.96

ITAWAMBA COUNTY

341633088243801. Local number, G024.

LOCATION.--Lat 34°16'33", long 88°24'38", Hydrologic Unit 03160101, NW¼NE¼ sec.25, T.9 S., R.8 E., 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 about 320 ft above National Geodetic Vertical Datum of 1929. 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, 74.65 ft below land-surface datum, Apr. 20, 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 9	43.10	APR 1	40.83

JACKSON COUNTY

302454088493401. Local number, N048.

LOCATION.--Lat 30°24'55", long 88°49'35", Hydrologic Unit 03170009, SE¼SW¼ sec.19, T.7 S., R.8 W., 0.1 mi east of depot at Ocean Springs at Robinson Avenue and Cash Alley.

Owner: Louisville and Nashville 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 about 23 ft above National Geodetic Vertical Datum of 1929. 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, 83.33 ft below land-surface datum, Oct. 26, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	80.17	APR 23	82.15

302357088473801. Local number, N073.

LOCATION.--Lat 30°23'57", long 88°47'38", Hydrologic Unit 03170009, SE¼NW¼ sec.28, T.2 S., R.8 W., 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 about 22 ft above National Geodetic Vertical Datum of 1929. 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, 71.71 ft below land-surface datum, Oct. 22, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 22	69.41

JACKSON COUNTY--Continued

302503088481602. Local number, N511.

LOCATION.--Lat 30°25'03", long 88°48'16", Hydrologic Unit 03170009, NE¼SE¼ sec.20, T.7 S., R.8 W., 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 about 5 ft above National Geodetic Vertical Datum of 1929. 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, 17.3 ft above land-surface Apr. 23, 1986.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 23	17.3

302451088325901. Local number, P045.

LOCATION.--Lat 30°24'51", long 99°32'59", Hydrologic Unit 03170008, NE¼NE¼ sec.10, T.7 S., R.6 W., 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 about 20 ft above National Geodetic Vertical Datum of 1929. 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	44.70	APR 22	44.14

302244088325801. Local number, P068.

LOCATION.--Lat 30°22'44", long 88°32'58", Hydrologic Unit 03170006, SE¼NE¼ sec.2, T.8 S., R.6 W., 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 about 12 ft above National Geodetic Vertical Datum of 1929. 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	71.23	APR 22	56.43

302205088334005. Local number, P113.

LOCATION.--Lat 30°22'05", long 88°33'40", Hydrologic Unit 03170006, NW¼NW¼ sec.5, T.8 S., R.6 W., 0.2 mi northwest of center of Pascagoula at Railroad Avenue and Frederic Street.

Owner: City of Pascagoula.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10 in, depth 388 ft, cased to 308 ft.

DATUM.--Land-surface datum is about 13 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing (since Apr. 20, 1976), at land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 34.40 ft below land-surface datum, Apr. 10, 1958; lowest measured, 75.58 ft below land-surface datum, July 13, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	60.35	APR 22	53.52

JACKSON COUNTY--Continued

302134088330803. Local number, P124.

LOCATION.--Lat 30°21'34", long 88°33'08", Hydrologic Unit 03170006, SW¼SE¼ sec.11, T.8 S., R.6 W., 0.5 mi 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 2	65.44	APR 22	70.25

302042088331801. Local number, P134.

LOCATION.--Lat 30°20'42", long 88°33'18", Hydrologic Unit 03170006, SE¼ sec.6, T.8 S., R.6 W., 1.5 mi south of center of Pascagoula at Farnsworth Avenue and Firth 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	62.25	APR 22	63.53

302623088311101. Local number, Q016.

LOCATION.--Lat 30°26'23", long 88°31'11", Hydrologic Unit 03170008, SW¼SW¼ sec.17, T.7 S., R.5 W., 2 mi east of center of Escatawpa on Elder Ferry Road.

Owner: Thiokol Chemical Corporation.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 967 ft.

DATUM.--Land-surface datum is about 7 ft above National Geodetic Vertical Datum of 1929. Measuring point: 2-in horizontal pipe, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--July 1952, October 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18 ft above land-surface datum, July 1952; lowest measured, 0.86 ft above land-surface datum, Oct. 24, 1984.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 22	1.21

302535088303501. Local number, Q025.

LOCATION.--Lat 30°25'35", long 88°30'35", Hydrologic Unit 03170008, NW¼NE¼ sec.20, T.7 S., R.5 W., 2 mi east of center of Escatawpa on Elder Ferry Road at packing plant.

Owner: Smith Fisheries.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 200 ft.

DATUM.--Land-surface datum is about 4 ft above National Geodetic Vertical Datum of 1929. 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 22	31.62

GROUND-WATER LEVELS

JACKSON COUNTY--Continued

302126088293801. Local number, Q112.

LOCATION.--Lat 30°21'32", long 88°29'38", Hydrologic Unit 03170009, SW¼SW¼ sec.9, T.8 S., R.5 W., 5 mi 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	11.37	APR 22	10.79

302304088305901. Local number, Q149.

LOCATION.--Lat 30°23'04", long 88°30'59", Hydrologic Unit 03170006, SE¼SE¼ sec.31, T.8 S., R.5 W., 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 about 15 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--June 1963, August 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 63 ft below land-surface datum, June 1, 1963; lowest measured 111.52 ft below land-surface datum, May 17, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 22	98.43

302103088294701. Local number, Q403.

LOCATION.--Lat 33°21'03", long 88°29'47", Hydrologic Unit 03170009, NE¼SE¼ sec.17, T.8 S., R.5 W., 5 mi southeast of center of Pascagoula on west side of State Highway 611 at Coastal Chemical Co.

Owner: U.S. Geological Survey.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 346 ft, cased to 340 ft.

DATUM.--Land-surface datum is about 12 ft above National Geodetic Vertical Datum of 1929. 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, 55.35 ft below land-surface datum, July 19, 1982; lowest measured, 145.1 ft below land-surface datum, June 19, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	79.49	APR 22	88.21

302253088302401. Local number, Q407.

LOCATION.--Lat 30°22'53", long 88°30'24", Hydrologic Unit 03170006, SW¼NW¼ sec.5, T.8 S., R.5 W., 2.5 mi 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, 149.99 ft below land-surface datum, Oct. 22, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	120.42	APR 22	134.20

GROUND-WATER LEVELS

259

JACKSON COUNTY--Continued

302141088313101. Local number, Q424.

LOCATION.--Lat 30°21'41", long 88°31'31", Hydrologic Unit 03170009, sec.30, T.8 S., R.5 W., 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 about 12 ft above National Geodetic Vertical Datum of 1929. 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, 19.25 ft below land-surface datum, Apr. 21, 1983; lowest measured, 25.0 ft below land-surface datum, Sept. 2, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	19.41	APR 22	19.49

JEFFERSON COUNTY

314245091034601. Local number, H001.

LOCATION.--Lat 31°42'45", long 91°03'46", Hydrologic Unit 08060204, SW¼NW¼ sec.45, T.9 N., R.1E., 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 about 280 ft above National Geodetic Vertical Datum of 1929. 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 7	153.72	MAR 19	161.89

JONES COUNTY

314716089054801. Local number, C111.

LOCATION.--Lat 31°47'16", long 89°05'48", Hydrologic Unit 3170005, NE¼SE¼ sec.33, T.10 N., R.11 W., 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 about 305 ft above National Geodetic Vertical Datum of 1929. 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 3	143.65	APR 15	135.24

314143089083901. Local number, G055.

LOCATION.--Lat 31°41'43", long 89°08'39", Hydrologic Unit 03170005, NW¼NW¼ sec.6, T.8 N., R.11 W., 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, 201.79 ft below land-surface datum, Apr. 15, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 15	201.79

GROUND-WATER LEVELS

LAFAYETTE COUNTY

343005089301301. Local number, 8001.

LOCATION.--Lat 34°30'05", long 89°30'13", Hydrologic Unit 08030201, NW¼SE¼ sec.3, T.7 S., R.3 W., 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 about 420 ft above National Geodetic Vertical Datum of 1929. 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, 163.01 ft below land-surface datum, Mar. 27, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
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MAR 26	158.62
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342136089315001. Local number, F005.

LOCATION.--Lat 34°21'36", long 89°31'50", Hydrologic Unit 08030203, NW¼NE¼ sec.29, T.8 S., R.3 W., 1 mi southwest of center of Oxford at University.

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.

DATUM.--Land-surface datum is about 460 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--1962, October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 71.14 ft 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
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JAN 9	72.65	MAR 26	73.03	SEP 2	74.92
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342130089313001. Local number, F021.

LOCATION.--Lat 34°21'30", long 89°31'30", Hydrologic Unit 08030203, SW¼NW¼ sec.28, T.8 S., R.3 W., 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 about 470 ft above National Geodetic Vertical Datum of 1929. 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, 81.06 ft below land-surface datum, July 23, 1979; lowest measured, 134.50 ft below land-surface datum, Mar. 9, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
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MAR 26	102.40
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342104089320301. Local number, F112.

LOCATION.--Lat 34°21'04", long 89°32'03", Hydrologic Unit 08030203, SW¼SE¼ sec.29, T.8 S., R.3 W., 1.5 mi 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 about 470 ft above National Geodetic Vertical Datum of 1929. 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, 162.85 ft below land-surface datum, June 7, 1983; lowest measured, 226.15 ft below land-surface datum, June 30, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
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JAN 9	162.36	MAR 26	162.37
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LAMAR COUNTY

311928089211101. Local number, E214.

LOCATION.--Lat 31°19'38", long 89°21'11", Hydrologic Unit 03170004, SW¼NE¼ sec.12, T.4 N., R.14 W., 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 about 218 ft above National Geodetic Vertical Datum of 1929. 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, 99.10 ft below land-surface datum, Oct. 2, 1985; lowest measured, 98.54 ft below land-surface datum, Apr. 21, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 2	99.10	APR 21	98.54

310935089252001. Local number, L063.

LOCATION.--Lat 31°09'35", long 89°25'20", Hydrologic Unit 03180004, SE¼SE¼ sec.5, T.2 N., R.14 W., 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.

DATUM.--Land-surface datum is about 370 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.30 ft above land-surface datum.

PERIOD OF RECORD.--1968, September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 220 ft below land-surface datum, 1968; lowest measured, 266.08 ft below land-surface datum, July 25, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	261.99	FEB 19	264.37	APR 21	258.70

310934089252101. Local number, L093.

LOCATION.--Lat 31°09'35", long 89°25'21", Hydrologic Unit 03180004, SE¼SE¼ sec.5, T.2 N., R.14 W., 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 well, diameter 8-6 in, depth 264 ft.

DATUM.--Land-surface datum is about 375 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in air vent, 2.00 ft above land-surface datum.

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, 154.36 ft below land-surface datum, Apr. 15, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	152.43	APR 21	152.19

LAUDERDALE COUNTY

321902088445701. Local number, M003.

LOCATION.--Lat 32°19'02", long 88°44'57", Hydrologic Unit 03170001, NW¼SE¼ sec.34, T.6 N., R.15 E., 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 about 280 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in pump base, at land-surface datum.

REMARKS.--Water levels affected by pumping.

PERIOD OF RECORD.--January 1964 to October 1969, April 1971 to November 1974, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.37 ft above land-surface datum, Oct. 20, 1971; lowest measured, 18.41 ft below land-surface datum, Sept. 16, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 12	3.98	SEP 24	12.45

GROUND-WATER LEVELS

LAWRENCE COUNTY

313310090062001. Local number, G002.

LOCATION.--Lat 31°33'10", long 90°06'20", Hydrologic Unit 03180003, NW¼NW¼ sec.28, T.7 N., R.11 E., 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 about 198 ft above National Geodetic Vertical Datum of 1929. 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, 169.57 ft below land-surface datum, Apr. 4, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	132.70	APR 4	169.57

LEAKE COUNTY

324427089295201. Local number, L001.

LOCATION.--Lat 32°44'20", long 89°29'50", Hydrologic Unit 03180001, SW¼SE¼ sec.5, T.10 N., R.8 E., 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 about 350 ft above National Geodetic Vertical Datum of 1929. 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, 48.24 ft below land-surface datum, Apr. 7, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 7	48.24

LEE COUNTY

341555088463501. Local number, G043

LOCATION.--Lat 34°15'55", long 88°46'35", Hydrologic Unit 03160102, SW¼SE¼ sec.28, T.9 S., R.5 E., 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 about 320 ft above National Geodetic Vertical Datum of 1929. 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, 300.49 ft below land-surface datum, Oct. 10, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	300.49	APR 2	244.90

341632088403001. Local number, H009.

LOCATION.--Lat 34°16'32", long 88°40'30", Hydrologic Unit 03160102, SW¼NE¼ sec.28, T.9 S., R.6 E., about 2.5 mi 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 about 280 ft above National Geodetic Vertical Datum of 1929. 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	172.09	APR 1	166.40

LEE COUNTY--Continued

341547088422901. Local number, H022.

LOCATION.--Lat 34°15'47", long 88°42'29", Hydrologic Unit 03160102, NW¼NW¼ sec.31, T.9 S., R.6 E., 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 about 280 ft above National Geodetic Vertical Datum of 1929. Measuring point: Air vent in north side of pump base, at land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--1954, October 1965 to October 1967, April 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 120 ft below land-surface datum, 1954; lowest measured, 267.13 ft below land-surface datum, Apr. 25, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	230.22	APR 1	214.00	JUL 24	231.52

341948088423101. Local number, H033.

LOCATION.--Lat 34°19'48", long 88°42'31", Hydrologic Unit 03160102, NW¼SE¼ sec.6, T.9 S., R.6 E., 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 about 315 ft above National Geodetic Vertical Datum of 1929. 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, 155.37 ft below land-surface, Dec. 16, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 16	155.37	APR 14	152.17

341536088421001. Local number, H042.

LOCATION.--Lat 34°15'36", long 88°42'10", Hydrologic Unit 03160102, SE¼NE¼ sec.31, T.9 S., R.6 E., 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 about 280 ft above National Geodetic Vertical Datum of 1929. 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, 260.18 ft below land-surface datum, May 17, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	217.56	APR 1	224.37

340522088371701. Local number, 0014.

LOCATION.--Lat 34°05'25", long 88°37'17", Hydrologic Unit 03160102, SW¼SE¼ sec.25, T.11 S., R.6 E., 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 about 260 ft above National Geodetic Vertical Datum of 1929. 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, 70.28 ft below land-surface datum, Feb. 8, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 2	63.16	JUL 23	64.06

GROUND-WATER LEVELS

LEE COUNTY--Continued

340523088371701. Local number, 0015.

LOCATION.--Lat 34°05'23", long 88°37'17", Hydrologic Unit 03160102, SW¼SE¼ sec.25, T.11 S., R.6 E., 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 about 266 ft above National Geodetic Vertical Datum of 1929. 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, 88.92 ft below land-surface datum, Nov. 17, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 2	87.88

LEFLORE COUNTY

333823090205101. Local number, D160.

LOCATION.--Lat 33°38'23", long 90°20'51", Hydrologic Unit 08030207, NW¼SW¼ sec.31, T.21 N., R.1 W., 0.1 mi 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, 12.30 ft below land-surface datum, Mar. 27, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 27	12.30

333437090262601. Local number, F053.

LOCATION.--Lat 33°34'37", long 90°26'26", Hydrologic Unit 08030207, NW¼NW¼ sec.29, T.20 N., R.2 W., 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 about 120 ft above National Geodetic Vertical Datum of 1929. 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, 39.66 ft below land-surface datum, Apr. 20, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 27	35.31

333315090151801. Local number, G033.

LOCATION.--Lat 33°33'15", long 90°15'18", Hydrologic Unit 08030207, NE¼SW¼ sec.36, T.20 N., R.1 W., 2.5 mi northwest of Greenwood along U.S. Highway 49.

Owner: Unknown.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 10 in, depth 110 ft.

DATUM.--Land-surface datum is about 136 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--September 1982 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 21.06 ft below land-surface datum, Sept. 3, 1986

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 9	18.98	MAR 27	19.57	SEP 3	21.06	SEP 30	21.01

LEFLORE COUNTY--Continued

333159090113401. Local number, L079.

LOCATION.--Lat 33°31'59", long 90°11'34", Hydrologic Unit 08030205, SW¼SE¼ sec.4, T.19 N., R.1 E., at elevated tank on Parkes Street near center of Greenwood.

Owner: City of Greenwood.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in, depth 800 ft.

DATUM.--Land-surface datum is about 128 ft above National Geodetic Vertical Datum of 1929. 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 27	25.86

333135090124402. Local number, L111.

LOCATION.--Lat 33°31'35", long 90°12'44", Hydrologic Unit 08030205, SE¼SE¼ sec.8, T.19 N., R.1 E., at Henderson Generating Plant west of U.S. Highway 82, Greenwood.

Owner: City of Greenwood.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 10 in, depth 95 ft.

DATUM.--Land-surface datum is about 95 ft above National Geodetic Vertical Datum of 1929. Measuring point: Base of recorder shelter, 2.50 ft above land-surface datum.

PERIOD OF RECORD.--April 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.88 ft below land-surface datum, Sept. 15, 1984; lowest measured 35.96 ft below land-surface datum, Sept. 18, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 27	29.11	APR 14	26.73	SEP 23	23.24

333050090112501. Local number, L150.

LOCATION.--Lat 33°30'50", long 90°11'25", Hydrologic Unit 08030205, NE¼NE¼ sec.16, T.19 N., R.1 E., at street department barn, Parkway 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 about 126 ft above National Geodetic Vertical Datum of 1929. 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, 10.80 ft below land-surface datum, May 3, 1984; lowest measured, 50 ft below land-surface datum, Jan. 22, 1964.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 27	18.59

333100090105801. Local number, L152.

LOCATION.--Lat 33°31'00", long 90°10'58", Hydrologic Unit 08030206, NE¼NW¼ sec.15, T.19 N., R.1 E., 0.1 mi 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, 35.06 ft below land-surface datum, Apr. 15, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 27	21.01

GROUND-WATER LEVELS

LINCOLN COUNTY

313731090370101. Local number, 8037.

LOCATION.--Lat 31°37'31", long 90°37'01", Hydrologic Unit 03180005, NE¼NE¼ sec.32, T.8 N., R.6 E., 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 about 434 ft above National Geodetic Vertical Datum of 1929. 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, 54.50 ft below land-surface datum, May 24, 1980; lowest measured, 69.02 ft below land-surface datum, Nov. 26, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	67.93	JAN 18	68.19	MAR 9	68.56

313504090261401. Local number, H010.

LOCATION.--Lat 31°35'04", long 90°26'14", Hydrologic Unit 03180005, SW¼SE¼ sec.7, T.7 N., R.8 E., 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 about 485 ft above National Geodetic Vertical Datum of 1929. 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 18	73.23

LOWNDES COUNTY

333845088275404. Local number, A014.

LOCATION.--Lat 33°38'45", long 88°27'54", Hydrologic Unit 03160101, NE¼SW¼ sec.19, T.16 S., R.18 W., 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 about 188 ft above National Geodetic Vertical Datum of 1929. 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, 28.86 ft below land-surface datum, Apr. 1, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 8	30.48	APR 2	29.40

333703088244801. Local number, C030.

LOCATION.--Lat 33°37'03", long 88°24'48", Hydrologic Unit 03160101, SE¼NW¼ sec.3, T.17 S., R.18 W., 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 about 210 ft above National Geodetic Vertical Datum of 1929. 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, 21.0 ft below land-surface datum, Apr. 2, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 2	21.00

GROUND-WATER LEVELS

267

LOWNDES COUNTY--Continued

332838088393401. Local number, E005.

LOCATION.--Lat 33°28'38", long 88°39'34", Hydrologic Unit 03160104, NW¼NE¼ sec.31, T.19 N., R.16 E., 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 about 226 ft above National Geodetic Vertical Datum of 1929. 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, 107.26 ft below land-surface datum, Apr. 26, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 3	106.22

333052088234101. Local number, G185.

LOCATION.--Lat 33°30'52", long 88°23'41", Hydrologic Unit 03160105, SW¼ sec.11, T.18 S., R.18 W., 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 about 178 ft above National Geodetic Vertical Datum of 1929. 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, 18.45 ft below land-surface datum, Dec. 5, 1985.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	16.85	JAN 7	16.31	APR 1	16.34	MAY 14	17.17	JUN 17	16.85	SEP 3	17.71
DEC 5	18.45	FEB 27	16.02								

332656088335801. Local number, K037.

LOCATION.--Lat 33°26'56", long 88°33'58", Hydrologic Unit 03160106, SW¼SW¼ sec.6, T.18 N., R.17 E., 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 well, diameter 12 in, depth 1,312 ft.

DATUM.--Land-surface datum is about 240 ft above National Geodetic Vertical Datum of 1929. 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 74.50 ft below land-surface datum, Dec. 2, 1982; lowest measured, 102.49 ft below land-surface datum, Apr. 3, 1986.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 3	102.49

332718088333903. Local number, K039.

LOCATION.--Lat 33°27'18", long 88°33'39", Hydrologic Unit 03160106, SW¼SW¼ sec.6, T.18 N., R.17 E., 1½ 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 observation well, diameter 12 in, depth 329 ft.

DATUM.--Land-surface datum is about 240 ft above National Geodetic Vertical Datum of 1929. 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 99.0 ft below land-surface datum, Dec. 26, 1979; lowest measured, 115.58 ft below land-surface datum, Apr. 26, 1984.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 3	115.56

GROUND-WATER LEVELS

LOWNDES COUNTY--Continued

332517088235601. Local number, L022.

LOCATION.--Lat 33°25'17", long 88°23'56", Hydrologic Unit 03160106, SE¼SE¼ sec.10, T.19 S., R.18 W., 5 mi southeast of center of Columbus near east bank of Tombigbee River.

Owner: Hooker Chemical Company.

AQUIFER.--Sand of Coker Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 1,190 ft.

DATUM.--Land-surface datum is about 178 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1-in bushing (since Apr. 13, 1976), 1.80 ft above land-surface datum.

PERIOD OF RECORD.--May 1960 to October 1965, April 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.9 ft 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 8	44.71	APR 3	42.07

332508088235409. Local number, L034.

LOCATION.--Lat 33°25'08", long 88°23'54", Hydrologic Unit 03160105, NW¼SE¼ sec.10, T.19 S., R.18 W., 5 mi south of center of Columbus near east bank of Tombigbee River.

Owner: Hooker Chemical Company.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 583 ft, reported screened 533-583 ft.

DATUM.--Land-surface datum is about 180 ft above National Geodetic Vertical Datum of 1929. Measuring point: Air breather in pump base, 2.50 ft above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--July 1958, October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.45 ft below land-surface datum, Apr. 26, 1984; lowest measured, 108.80 ft below land-surface datum, May 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 3	47.33

332142088380101. Local number, N029.

LOCATION.--Lat 33°21'42", long 88°38'01", Hydrologic Unit 03160106, SW¼SW¼ sec.4, T.17 N., R.16 E., 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 about 280 ft above National Geodetic Vertical Datum of 1929. 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, 146.97 ft below land-surface datum, Apr. 3, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 3	146.97

MADISON COUNTY

322413090101701. Local number, V013.

LOCATION.--Lat 32°24'13", long 90°10'17", Hydrologic Unit 03180002, NE¼SE¼ sec.35, T.7 N., R.1 E., 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 unused artesian well, diameter 8 in, depth 800 ft.

DATUM.--Land-surface datum is about 380 ft above National Geodetic Vertical Datum of 1929. 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, 217.95 ft below land-surface datum, Sept. 23, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	214.32	DEC 23	213.17	FEB 13	212.92	APR 18	212.93	JUN 30	215.65	AUG 20	216.95
NOV 26	213.42	JAN 16	213.00	MAR 17	212.64	MAY 28	214.85	JUL 18	215.88	SEP 23	217.95

GROUND-WATER LEVELS

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MADISON COUNTY--Continued

322458090084601. Local number, V023.

LOCATION.--Lat 32°24'58", long 90°08'46", Hydrologic Unit 03180002, NE¼NE¼ sec.36, T.7 N., R.1 E., 0.5 mi west of intersection of U. S. Highway 51 and Holmes Street on Midway Street.

Owner: Town of Ridgeland.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 574 ft.

DATUM.--Land-surface datum is about 330 ft above National Geodetic Vertical Datum of 1929. Measuring point: ½-in hole in plate at top of 8-in casing, 1.25 ft above land-surface datum.

PERIOD OF RECORD.--August 1965, February 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 150.0 ft below land-surface datum, Aug. 26, 1965; lowest measured, 171.09 ft below land-surface datum, Aug. 20, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 13	169.14	APR 18	166.94	MAY 28	164.10	JUN 30	168.63	JUL 18	168.37	AUG 20	171.09
SEP 23	163.90										

322627090062401. Local number, W005.

LOCATION.--Lat 32°26'27", long 90°06'24", Hydrologic Unit 03180002, NE¼NE¼ sec.20, T.7 N., R.2 E., 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 about 320 ft above National Geodetic Vertical Datum of 1929. 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, 179.87 ft below land-surface datum, Mar. 20, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	174.14	APR 18	171.28	JUL 18	177.73

322517090054201. Local number, W066.

LOCATION.--Lat 32°25'17", long 90°05'42", Hydrologic Unit 03180002, SW¼SE¼ sec.22, T.7 N., R.2 E., 3.5 mi east of Ridgeland.

Owner: Pearl River Valley Water Supply District.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public supply artesian well, diameter 10 in, depth 608 ft.

DATUM.--Land-surface datum is about 308 ft above National Geodetic Vertical Datum of 1929. Measuring point: Air vent at pump motor base, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--April 1974, August 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 118 ft below land-surface datum, Apr. 24, 1974; lowest measured, 163.45 ft below land-surface datum, Sept. 23, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 26	159.45	JAN 16	161.03	APR 18	157.05	JUN 30	159.99	AUG 20	159.85	SEP 23	163.45
DEC 23	158.21	FEB 13	156.46	MAY 28	159.02	JUL 18	160.81				

MARSHALL COUNTY

344618089272801. Local number, P072.

LOCATION.--Lat 34°46'18", long 89°27'24", Hydrologic Unit 08030204, NW¼NW¼ sec.6, T.4 S., R.2 W., at Holly Springs on West Boundry Street.

Owner: Town of Holly Springs.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 718 ft.

DATUM.--Land-surface datum is about 510 ft above National Geodetic Vertical Datum of 1929. 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 26	128.07

GROUND-WATER LEVELS

MONROE COUNTY

335917088304401. Local number, C003.

LOCATION.--Lat 33°59'17", long 88°30'44", Hydrologic Unit 03160101, NE¼SE¼ sec.26, T.12 S., R.19 W., 0.3 mi north-west 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 about 240 ft above National Geodetic Vertical Datum of 1929. 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 2	24.93	JUL 23	42.32

334836088390201. Local number, 0003.

LOCATION.--Lat 33°48'36", long 88°39'02", Hydrologic Unit 03160101, NE¼NE¼ sec.3, T.15 S., R.6 E., 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 about 315 ft above National Geodetic Vertical Datum of 1929. 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, 114 ft below land-surface datum, 1942; lowest measured, 193.74 ft below land-surface datum, Oct. 16, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 2	187.37

334359088391601. Local number, 0016.

LOCATION.--Lat 33°43'59", long 88°39'16", Hydrologic Unit 03160104, SW¼NE¼ sec.34, T.15 S., R.6 E., at Muldon on State Highway 25.

Owner: Muldon Grain Elevator Company (Formerly M and O 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 about 300 ft above National Geodetic Vertical Datum of 1929. 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, 60.00 ft below land-surface datum, 1901; lowest measured, 164.91 ft below land-surface datum, Apr. 24, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 2	163.49

334836088333301. Local number, P022.

LOCATION.--Lat 33°48'36", long 88°33'33", Hydrologic Unit 03160101, NW¼NW¼ sec.3, T.15 S., R.7 E., 1 mi southwest of center of Aberdeen on State Highway 25.

Owner: Conoco Chemicals (Formerly Monroe Mfg. Co.).

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 216 ft.

DATUM.--Land-surface datum is about 218 ft above National Geodetic Vertical Datum of 1929. 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 2	93.17

MONROE COUNTY-Continued

334147088261501. Local number, Q018.

LOCATION.--Lat 33°41'47", long 88°26'15". Hydrologic Unit 03160103, SE¼SE¼ sec.5, T.16 S., R.18 W., 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 about 216 ft above National Geodetic Vertical Datum of 1929. Measuring point: 1/2-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, 70.77 ft below land-surface datum, Apr. 24, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 2	70.03

MONTGOMERY COUNTY

332916089432002. Local number, F002.

LOCATION.--Lat 33°29'16", long 89°43'20", Hydrologic Unit 08060201, NW¼NE¼ sec.25, T.19 N., R.5 E., 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, 122.47 ft below land-surface datum, Oct. 11, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 27	116.63

NEWTON COUNTY

322728089161201. Local number, E001.

LOCATION.--Lat 32°27'28", long 89°16'12", Hydrologic Unit 03180001, SW¼SW¼ sec.10, T.7 N., R.10 E., 0.8 mi east of Post Office at Conehatta.

Owner: U.S. Department of Interior, Conehatta Indian School.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 351 ft.

DATUM.--Land-surface datum is about 515 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 1.00 ft above land surface.

PERIOD OF RECORD.--January 1959, March 1978 to April 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 163 ft below land-surface datum, Jan. 15, 1959; lowest measured, 170.70 ft below land-surface datum, Oct. 31, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 14	170.65

322722089162002. Local number, E023.

LOCATION.--Lat 32°27'22", long 89°16'20", Hydrologic Unit 031800001, NW¼NW¼ sec.15, T.7 N., R.10 E., 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 about 525 ft above National Geodetic Vertical Datum of 1929. 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, 236.93 ft below land-surface datum, Apr. 14, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 14	236.93

GROUND-WATER LEVELS

NOXUBEE COUNTY

330645088332801. Local number, H115.

LOCATION.--Lat 33°06'50", long 88°34'10", Hydrologic Unit 03160108, NW¼NW¼ sec.33, T.15 N., R.17 E., 1 mi 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 about 185 ft above National Geodetic Vertical Datum of 1929. 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, 16.16 ft below land-surface datum, Apr. 3, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 7	9.89	APR 3	16.16

OKTIBBEHA COUNTY

332710088471701. Local number, G102.

LOCATION.--Lat 33°27'10", long 88°47'17", Hydrologic Unit 03160104, NE¼SW¼ sec.1, T.18 N., R.14 E., 0.2 mi 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, 230.67 ft below land-surface datum, Apr. 3, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 8	230.40	APR 3	230.67

PERRY COUNTY

311056088551201. Local number, J015.

LOCATION.--Lat 31°10'56", long 88°55'12", Hydrologic Unit 03170005, SE¼NW¼ sec.32, T.3 N., R.9 W., 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 well, diameter 2 in, depth 576 ft.

DATUM.--Land-surface datum is about 90 ft above National Geodetic Vertical Datum of 1929. Measuring Point: End of 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, 37.00 ft above land-surface datum, May 9, 1984; lowest measured, 24.75 ft above land-surface datum, Apr. 22, 1983.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 21	34.6

310956088552101. Local number, M011.

LOCATION.--Lat 31°09'56", long 88°55'21", Hydrologic Unit 03170005, SW¼SW¼ sec.5, T.2 N., R.9 W., near center of Beaumont on third street.

Owner: Town of Beaumont.

AQUIFER.--Sand of Hattiesburg Formation of Miocene age.

WELL CHARACTERISTICS.--Drilled public-supply (standby) well, diameter 11 in, depth 666 ft, reported screened 626-666 ft.

DATUM.--Land-surface datum is about 95 ft above National Geodetic Vertical Datum of 1929. 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, 22.9 ft above land-surface datum, May 9, 1984.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 21	23.10

PIKE COUNTY

310833090272801. Local Number, G002.

LOCATION.--Lat 31°08'33", long 90°27'28", Hydrologic Unit 08070205, NW¼NW¼ sec.13, T.2 N., R.7 E., 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 about 300 ft above National Geodetic Vertical Datum of 1929. 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 18	15.38

PRENTISS COUNTY

343921088334101. Local number, F002.

LOCATION.--Lat 34°39'21", long 88°33'41", Hydrologic Unit 08010207, SE¼SE¼ sec.9, T.5 S., R.7 E., 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 about 525 ft above National Geodetic Vertical Datum of 1929. 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 1	243.67

343142088384401. Local number, J084.

LOCATION.--Lat 34°31'42", long 88°38'44", Hydrologic Unit 03160101, SE¼NE¼ sec.26, T.6 S., R.6 E., 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 about 345 ft above National Geodetic Vertical Datum of 1929. 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, 56.51 ft below land-surface datum, Apr. 23, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 1	58.45

RANKIN COUNTY

322249089582101. Local number, G043.

LOCATION.--Lat 32°22'49", long 89°58'21", Hydrologic Unit 03180002, SW¼NW¼ sec.10, T.6 N., R.3 E., 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 about 320 ft above National Geodetic Vertical Datum of 1929. 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, 179.29 ft below land-surface datum, July 18, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	168.74	DEC 23	168.85	MAR 17	174.24	JUN 30	171.23	JUL 18	179.29	SEP 23	169.73
NOV 26	170.13	JAN 16	170.35	MAY 28	168.98						

GROUND-WATER LEVELS

RANKIN COUNTY--Continued

321846089475101. Local number, J110.

LOCATION.--Lat 32°18'46", long 89°47'51", Hydrologic Unit 03180002, SW¼SW¼ sec.33, T.6 N., R.5 E., 0.2 mi 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 about 365 ft above National Geodetic Vertical Datum of 1929. Measuring point: Hole in cover plate, at land-surface datum.

PERIOD OF RECORD.--July 1955 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 101.62 ft below land-surface datum, Apr. 9, 1956; lowest measured, 136.55 ft below land-surface datum, Oct. 25, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	136.55	APR 14	136.22

SCOTT COUNTY

322148089283201. Local number, L001.

LOCATION.--Lat 32°21'48", long 89°28'32", Hydrologic Unit 03180001, SE¼NE¼ sec.16, T.6 N., R.8 E., 0.1 mi west of center of Forrest at Wade Street and Walker Street.

Owner: Town of Forrest.

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 about 480 ft above National Geodetic Vertical Datum of 1929. 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 14	96.05

322202089290502. Local number, L013.

LOCATION.--Lat 32°22'02", long 89°29'05", Hydrologic Unit 03180001, SE¼NE¼ sec.16, T.6 N., R.8 E., 0.7 mi west of center of Forrest at George Street and Cleveland Street.

Owner: Town of Forrest.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 721 ft.

DATUM.--Land-surface datum is about 480 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.5 ft above land-surface datum.

PERIOD OF RECORD.--November 1964, November 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 193 ft below land-surface datum, November 1964; lowest measured, 221.28 ft below land-surface datum, Apr. 4, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 14	223.04

322147089305801. Local number, L039.

LOCATION.--Lat 32°21'47", long 89°30'58", Hydrologic Unit 03180001, SW¼NE¼ sec.18, T.6 N., R.8 E., 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 about 475 ft above National Geodetic Vertical Datum of 1929. 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, 236.59 ft below land-surface datum, Apr. 11, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 14	234.72

SHARKEY COUNTY

325839090501601. Local number, C043.

LOCATION.--Lat 32°58'39", long 90°50'16", Hydrologic Unit 08030209, sec.17, T.13 N., R.6 W., 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 about 106 ft above National Geodetic Vertical Datum of 1929. 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 ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 24	92.4

324749090553101. Local number, G044.

LOCATION.--Lat 32°47'49", long 90°55'31", Hydrologic Unit 08030209, NE¼NW¼ sec.16, T.11 N., R.7 W., 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 about 102 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--February 1939, September 1960, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.9 ft above land-surface datum, Feb. 10, 1939; lowest measured, 26.87 ft below land-surface datum, Mar. 24, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 24	26.87

SIMPSON COUNTY

315256089392401. Local number, L001.

LOCATION.--Lat 31°52'56", long 89°39'24", Hydrologic Unit 03170004, SE¼NW¼ sec.35, T.1 N., R.6 E., 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 about 530 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 2.5 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, 341.48 ft below land-surface datum, Apr. 2, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
Apr 15	340.75

315258089392201. Local number, L013.

LOCATION.--Lat 31°52'58" long 89°39'22", Hydrologic Unit 03170004, SE¼NW¼ sec.35, T.1 N., R.6 E., 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 about 515 ft above National Geodetic Vertical Datum of 1929. 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, 110.0 ft below land-surface datum, May 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 15	108.09

GROUND-WATER LEVELS

SUNFLOWER COUNTY

334017090301801. Local number, H018.

LOCATION.--Lat 33°40'17", long 90°30'18", Hydrologic Unit 08030207, SE¼NE¼ sec.21, T.21 N., R.3 W., 1.5 mi northeast of center of Daddsville 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 about 125 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of faucet at well, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--April 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.0 ft above land-surface datum, Apr. 14, 1971; lowest measured, 4.67 ft below land-surface datum, Mar. 27, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 27	4.67

332826090441601. Local number, M038.

LOCATION.--Lat 33°28'26", long 90°44'16", Hydrologic Unit 08030207, NE¼NW¼ sec.29, T.19 N., R.5 W., 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.

DATUM.--Land-surface datum is about 123 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house, 0.50 ft above land-surface datum.

PERIOD OF RECORD.--

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.70 ft below land-surface datum, Jan. 8, 1986; lowest measured, 25.39 ft below land-surface datum, July 17, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 8	18.70	MAR 24	21.24	APR 24	22.33	SEP 3	24.74	SEP 30	24.75

332505090293001. Local number, R021.

LOCATION.--Lat 33°25'05", long 90°29'30", Hydrologic Unit 08030207, NW¼SW¼ sec.22, T.18 N., R.3 W., 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 about 110 ft above National Geodetic Vertical Datum of 1929. 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, 6.5 ft above land-surface datum, Apr. 21, 1983.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 27	10.83

TATE COUNTY

343723089592801. Local number, F022.

LOCATION.--Lat 34°37'23", long 89°59'28", Hydrologic Unit 08030204, SE¼SE¼ sec.25, T.5 S., R.8 W., 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 about 340 ft above National Geodetic Vertical Datum of 1929. 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, 135.18 ft below land-surface datum, May 23, 1973; lowest measured, 158.07 ft below land-surface datum, Mar. 26, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 26	158.07

TATE COUNTY--Continued

343811089580401. Local number, G037 (Formerly G37a).

LOCATION.--Lat 34°38'11", long 89°58'04", Hydrologic Unit 08030204, NW¼SW¼ sec.20, T.5 S., R.7 W., 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 about 250 ft above National Geodetic Vertical Datum of 1929. 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, 101.5 ft below land-surface datum, Dec. 1, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 26	81.82

TIPPAH COUNTY

345658088534101. Local number, B008.

LOCATION.--Lat 34°56'58", long 88°53'41", Hydrologic Unit 08010207, SE¼ sec.32, T.1 S., R.4 E., 0.2 mi north of center of Walnut at swimming pool and elevated tank.

Owner: Town of Walnut.

AQUIFER.--Sand of McNairy Sand Member Sand 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 about 470 ft above National Geodetic Vertical Datum of 1929. 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 1	65.79

TISHOMINGO COUNTY

345802088142701. Local number, B018.

LOCATION.--Lat 34°58'02", long 88°14'27", Hydrologic Unit 06030005, SW¼NE¼ sec.28, T.1 S., R.10 E., 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 about 560 ft above National Geodetic Vertical Datum of 1929. 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, 98.31 ft below land-surface datum, Mar. 11, 1980; lowest measured, 104.31 ft below land-surface datum, Apr. 23, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 1	106.55

345603088170601. Local number, B019.

LOCATION.--Lat 34°56'03", long 88°17'06", Hydrologic Unit 06030005, NE¼SW¼ sec.6, T.2 S., R.10 E., 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 about 467 ft above National Geodetic Vertical Datum of 1929. 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, 11.55 ft below land-surface datum, Apr. 24, 1984; lowest measured, 15.0 ft below land-surface datum, Sept. 29, 1973.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 1	12.82

GROUND-WATER LEVELS
TISHOMINGO COUNTY--Continued

345703088145601. Local number, B021.

LOCATION.--Lat 34°57'03", long 88°14'56", Hydrologic Unit 06030005, SW¼NE¼ sec.33, T.1 S., R.10 E., 1.5 mi north of center of Cross Roads on State Highway 25.

Owner: Yellow Creek Port.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 349 ft, cased to 76 ft.

DATUM.--Land-surface datum is about 455 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--October 1973, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.07 ft above land-surface datum, Apr. 10, 1979; lowest measured, 8.48 ft below land-surface datum, Nov. 30, 1982.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 1	3.08

343936088161901. Local number, J010.

LOCATION.--Lat 34°39'36", long 88°16'19", Hydrologic Unit 03160101, NW¼SE¼ sec.8, T.5 S., R.10 E., 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 about 420 ft above National Geodetic Vertical Datum of 1929. 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.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--July 1971 to February 1972, March 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.20 ft above land-surface datum, Mar. 13, 1974; lowest measured, 2.77 ft below land-surface datum, Nov. 18, 1981.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	4.57	APR 1	4.54

TUNICA COUNTY

344540090230801. Local number, D029.

LOCATION.--Lat 34°45'40", long 90°23'08", Hydrologic Unit 08030204, SW¼SE¼ sec.5, T.4 S., R.11 W., 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 about 188 ft above National Geodetic Vertical Datum of 1929. 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 current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.48 ft below land-surface datum, Sept. 15, 1981; lowest measured, 16.59 ft below land-surface datum, Jan. 22, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
SEP 2	15.66

UNION COUNTY

343200089045901. Local number, B006.

LOCATION.--Lat 34°32'00", long 89°04'59", Hydrologic Unit 08030201, SE¼NW¼ sec.27, T.6 S., R.2 E., 5 mi northwest of New Albany on north side of U.S. Highway 78.

Owner: Futorian Furniture Corp. (Frame plant).

AQUIFER.--Sand of Ripley Formation of Selma Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled industrial (fire protection) artesian well, diameter 6 in, depth 500 ft.

DATUM.--Land-surface datum is about 385 ft above National Geodetic Vertical Datum of 1929. 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 31	68.37

UNION COUNTY--Continued

343200089045901. Local number, 8006.

LOCATION.--Lat 34°32'00", long 89°04'59", Hydrologic Unit 08030201, SE¼NW¼ sec.27, T.6 S., R.2 E., 5 mi northwest of New Albany on north side of U.S. Highway 78.

Owner: Futorian Furniture Corp. (Frame plant).

AQUIFER.--Sand of Ripley Formation of Selma Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled industrial (fire protection) artesian well, diameter 6 in, depth 500 ft.

DATUM.--Land-surface datum is about 385 ft above National Geodetic Vertical Datum of 1929. 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 ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 31	68.37

343418088484901. Local number, E022.

LOCATION.--Lat 34°34'18", long 88°48'49", Hydrologic Unit 08010207, NW¼SE¼ sec.7, T.6 S., R.5 W., 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 about 680 ft above National Geodetic Vertical Datum of 1929. Measuring point: Plug in top of casing, 1.00 ft above land-surface datum.

REMARKS.--Water levels effected by nearby pumping.

PERIOD OF RECORD.--July 1972, October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 340 ft below land-surface datum, July 5, 1972; lowest measured, 451.50 ft below land-surface datum, May 16, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 31	392.08

WASHINGTON COUNTY

332432091031501. Local number, D016.

LOCATION.--Lat 33°24'32", long 91°03'15", Hydrologic Unit 08030209, irregular sec.4, T.18 N., R.8 W., 0.2 mi north-east of center of Greenville at Alexander Street and Illinois Central Railroad.

Owner: Itziz 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 about 125 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--November 1960, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 77.28 ft below land-surface datum, Apr. 26, 1983; lowest measured, 107.87 ft below land-surface datum, June 7, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 25	90.20

332228091045402. Local number, D033 (Formerly D33b).

LOCATION.--Lat 33°22'28", long 91°04'54", Hydrologic Unit 08030209, irregular sec.10, T.18 N., R.9 W., 4 mi south-west of center of Greenville in industrial park on Theobald Street.

Owner: U.S. Geological Survey.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 1,994 ft, cased to 1,984 ft.

DATUM.--Land-surface datum is 125.07 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of valve on cap on well, 2.62 ft above land-surface datum.

PERIOD OF RECORD.--June 1969 to April 1972, June 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.8 ft above land-surface datum, Apr. 14, 1970; lowest measured, 30.0 ft above land-surface datum, Mar. 26, 1985.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 24	44.2

GROUND-WATER LEVELS

WASHINGTON COUNTY--Continued

332007090525401. Local number, H014.

LOCATION.--Lat 33°20'07", long 90°52'54", Hydrologic Unit 08030209, NW¼SW¼ sec.12, T.17 N., R.7 W., 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 about 115 ft above National Geodetic Vertical Datum of 1929. 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, 26.25 ft below land-surface datum, June 9, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 24	24.06	AUG 20	25.28

331808090532901. Local number, H101.

LOCATION.--Lat 33°18'08", long 90°53'29", Hydrologic Unit 08030209, SW¼SE¼ sec.23, T.17 N., R.7 W., 0.1 mi south-west 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 about 120 ft above National Geodetic Vertical Datum of 1929. 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, 8.0 ft above land-surface datum, Nov. 15, 1979.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 24	8.0

331120090413001. Local number, M044.

LOCATION.--Lat 33°11'20", long 90°41'30", Hydrologic Unit 08030207, NW¼SW¼ sec.35, T.16 N., R.5 W., 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 about 105 ft above National Geodetic Vertical Datum of 1929. 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, Sept. 15, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 24	29.16

WAYNE COUNTY

314115088392301. Local number, N151.

LOCATION.--Lat 31°41'15", long 88°39'23", Hydrologic Unit 03170002, NE¼SE¼ sec.2, T.8 N., R.7 W., 1 mi northwest of center of Waynesboro at Turner Street and Gulf Mobile and Ohio Railroad.

Owner: Town of Waynesboro.

AQUIFER.--Sand of Vicksburg Group of Oligocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18 in, depth 82 ft, cased to 32 ft.

DATUM.--Land-surface datum is about 180 ft above National Geodetic Vertical Datum of 1929. 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, 21.88 ft below land-surface datum, Apr. 16, 1984; lowest measured, 35.73 ft below land-surface datum, Feb. 3, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
APR 22	23.16

WEBSTER COUNTY

332425089212001. Local number, M025.

LOCATION.--Lat 33°24'25", long 89°21'20", Hydrologic Unit 08060201, SW¼NW¼ sec.28, T.19 N., R.9 E., north side of U.S. Highway 82, 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 well, diameter 10 in, depth 359 ft.

DATUM.--Land-surface datum is about 350 ft above National Geodetic Vertical Datum of 1929. 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, 37.36 ft below land-surface datum, Aug. 27, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 7	37.48	MAR 31	37.41

WILKINSON COUNTY

310415091042201. Local number, T101.

LOCATION.--Lat 31°04'15", long 91°04'22", Hydrologic Unit 08070202, SE¼NW¼ sec.2, T.1 N., R.1 E., 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	50.61	MAR 18	48.78

310415091042202. Local number, T102.

LOCATION.--Lat 31°04'15", long 91°04'22", Hydrologic Unit 08070202, SE¼NW¼ sec.2, T.1 N., R.1 E., 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, 167.27 ft below land-surface datum, June 18, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	164.60	MAR 18	166.40

310415091042203. Local number, T103.

LOCATION.--Lat 31°04'15", long 91°04'22", Hydrologic Unit 08070202, SE¼NW¼ sec.2, T.1 N., R.1 E., 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, 278.92 ft below land-surface datum, Mar. 18, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	278.91	MAR 18	278.92

GROUND-WATER LEVELS

YAZOO COUNTY

325905090192202. Local number, 8102.

LOCATION.--Lat 32°59'05", long 90°19'22", Hydrologic Unit 08030206, SE¼SW¼ sec.8, T.13 N., R.1 W., at Eden across street from post office.

Owner: Town of Eden.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in, 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, 39.7 ft above land-surface datum, 1919; lowest measured, 22.63 ft below land-surface datum, Oct. 10, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 28	22.55

325905090192201. Local number, 8103.

LOCATION.--Lat 32°59'05", long 90°19'22", Hydrologic Unit 08030206, SE¼SW¼ sec.8, T.13 N., R.1 W., at Eden across from Baptist church.

Owner: Town of Eden.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 4-2.5 in, depth 1,735 ft, screened 1,659-1,669, 1,689-1,699, 1,705-1,715 ft.

DATUM.--Land-surface datum is about 112 ft above National Geodetic Vertical Datum of 1929. 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, 52.0 ft above land-surface datum, May 17, 1983.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 28	106.5

325100090250701. Local number, G006.

LOCATION.--Lat 32°51'00", long 90°25'07", Hydrologic Unit 08030206, SW¼NE¼ sec.32, T.12 N., R.2 W., 0.3 mi north-west 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 about 100 ft above National Geodetic Vertical Datum of 1929. 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, 16.81 ft below land-surface datum, June 25, 1983; lowest measured, 35.68 ft below land-surface datum, Apr. 10, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 28	21.75	SEP 25	24.70

325016090251601. Local number, G126.

LOCATION.--Lat 32°50'16", long 90°25'16", Hydrologic Unit 08030206, SW¼NE¼ sec.32, T.12 N., R.2 W., 0.3 mi 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 about 96 ft above National Geodetic Vertical Datum of 1929. 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
MAR 28	41.76

GROUND-WATER LEVELS

283

YAZOO COUNTY--Continued

324936090423001. Local number, J128.

LOCATION.--Lat 32°49'36", long 90°42'30", Hydrologic Unit 08030207, NE¼SE¼ sec.4, T.11 N., R.5 W., 0.2 mi 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 about 103 ft above National Geodetic Vertical Datum of 1929. 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, 24.71 ft below land-surface datum, Sept. 24, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 28	24.04	SEP 24	24.71

324354090325501. Local number, Q013.

LOCATION.--Lat 32°43'54", long 90°32'55", Hydrologic Unit 08030206, center NW¼ sec.7, T.10 N., R.3 W., 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 about 95 ft above National Geodetic Vertical Datum of 1929. 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, 12.53 ft below land-surface datum, June 25, 1983; lowest measured, 27.26 ft below land-surface datum, May 6, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 28	19.30	SEP 25	28.39

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

ALCORN COUNTY

344638088214801. Local number, L034. (USCE NW1-1)

LOCATION.--Lat 34°46'38", long 88°21'48", Hydrologic Unit 06030005, NE¼NE¼ sec.32, T.3 S., R.9 E., 3 mi southwest of intersection of State Highway 365 and 367.

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 1.5 in, depth 280 ft.

DATUM.--Land-surface datum is about 500 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.10 ft above land-surface datum.

PERIOD OF RECORD.--October 1978, February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 94.1 ft below land-surface datum, May 23, 1985; lowest measured, 104.85 ft below land-surface datum, Nov. 19, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	104.85	FEB 21	104.72	APR 29	104.63	AUG 5	101.96

344638088214802. Local number, L035. (USCE NW1-2)

LOCATION.--Lat 34°46'38", long 88°21'48", Hydrologic Unit 06030005, NE¼NE¼ sec.32, T.3 S., R.9 E., 3 mi southwest of intersection of State Highways 365 and 367.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 250 ft.

DATUM.--Land-surface datum is about 500 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.80 ft above land-surface datum.

PERIOD OF RECORD.--October 1978, February 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 82.0 ft below land-surface datum, Oct. 18, 1978; lowest measured, 94.56 ft below land-surface datum, Feb. 21, 1985.

344638088214803. Local number, L036. (USCE NW1-3)

LOCATION.--Lat 34°46'38", long 88°21'48", Hydrologic Unit 06030005, NE¼SE¼ sec.32, T.3 S., R.9 E., 3 mi southwest of intersection of State Highway 365 and 367.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 207 ft.

DATUM.--Land-surface datum is about 500 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.90 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.85 ft below land-surface datum, Aug. 24, 1985; lowest measured, 94.19 ft below land-surface datum, Nov. 19, 1985.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	94.19	FEB 21	94.18	APR 29	94.00	AUG 5	94.11

344638088214804. Local number, L037. (USCE NW1-4)

LOCATION.--Lat 34°46'38", long 88°21'48", Hydrologic Unit 06030005, NE¼NE¼ sec.32, T.3 S., R.9 E., 3 mi southwest of State Highway 365 and 367.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 166 ft.

DATUM.--Land-surface datum is about 500 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.75 ft above land-surface datum.

PERIOD OF RECORD.--October 1978, February 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 75.0 ft below land-surface datum, Oct. 18, 1978; lowest measured, 86.98 ft below land-surface datum, Feb. 21, 1985.

ALCORN COUNTY--Continued

344608088232602. Local number, L038. (USCE NW2-2)

LOCATION.--Lat 34°46'08", long 88°23'26", Hydrologic Unit 08010207, NW¼NE¼ sec.6, T.4 S., R.9 E., 2.5 mi east of Jacinto.

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 1.5 in, depth 400 ft.

DATUM.--Land-surface datum is about 600 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.25 ft above land-surface datum.

PERIOD OF RECORD.--October 1978, February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 184.0 ft below land-surface datum, Oct. 18, 1978; lowest measured, 195.65 ft below land-surface datum, Aug. 4, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	195.35	FEB 18	195.19	APR 28	195.26	AUG 4	195.65

344608088232601. Local number, L039. (USCE NW2-1)

LOCATION.--Lat 34°46'08", long 88°23'26", Hydrologic Unit 06030005, NW¼NE¼ sec.6, T.4 S., R.9 E., 2.5 mi east of Jacinto.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 621 ft.

DATUM.--Land-surface datum is about 590 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.25 ft above land-surface datum.

PERIOD OF RECORD.--October 1978, February 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 194.16 ft below land-surface datum, May 29, 1985; lowest measured, 207.0 ft below land-surface datum, Oct. 18, 1978.

344608088232603. Local number, L040. (USCE NW2-3)

LOCATION.--Lat 34°46'08", long 88°23'26", Hydrologic Unit 06030005, NW¼NE¼ sec.6, T.4 S., R.9 E., 2.4 mi east of Jacinto.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 327 ft.

DATUM.--Land-surface datum is about 580 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 4.0 ft above land-surface datum.

PERIOD OF RECORD.--October 1978, February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 185.19 ft below land-surface datum, May 29, 1985; lowest measured, 188.60 ft below land-surface datum, Aug. 4, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	186.95	FEB 21	187.54	APR 28	188.06	AUG 4	188.60

344608088244301. Local number, L041. (USCE NW3-1)

LOCATION.--Lat 34°46'08", long 88°24'43", Hydrologic Unit 08010207, NE¼NW¼ sec.1, T.4 S., R.8 E., 1 mi northeast of Jacinto.

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 1.5 in, depth 428 ft.

DATUM.--Land-surface datum is about 590 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.10 ft above land-surface datum.

PERIOD OF RECORD.--July 1980, February 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 189.0 ft below land-surface datum, July 15, 1980; lowest measured, 199.23 ft below land-surface datum, Aug. 23, 1985.

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

ALCORN COUNTY--Continued

344608088244302. Local number, L042. (USCE NW3-2)

LOCATION.--Lat 34°46'08", long 88°24'43", Hydrologic Unit 08010207, NE¼NW¼ sec.1, T.4 S., R.8 E., 1 mi northeast of Jacinto.

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 1.5 in, depth 398 ft.

DATUM.--Land-surface datum is about 580 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 4.00 ft above land-surface datum.

PERIOD OF RECORD.--July 1980, February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 189.0 ft below land-surface datum, July 15, 1980; lowest measured, 199.33 ft below land-surface datum, Aug. 4, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	198.90	FEB 18	198.78	APR 28	198.77	AUG 4	199.33

344608088244303. Local number, L043. (USCE NW3-3)

LOCATION.--Lat 34°46'08", long 88°24'43", Hydrologic Unit 06030005, NE¼NW¼ sec.1, T.4 S., R.8 E., 1.2 mi northeast of Jacinto.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 320 ft.

DATUM.--Land-surface datum is about 590 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.9 ft above land-surface datum.

PERIOD OF RECORD.--July 1980, February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 187.0 ft below land-surface datum, July 15, 1980; lowest measured, 200.60 ft below land-surface datum, Feb. 18, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	197.85	FEB 18	200.60	APR 28	197.62	AUG 4	198.35

344608088244304. Local number, L044. (USCE NW3-4)

LOCATION.--Lat 34°46'08", long 88°24'43", Hydrologic Unit 08010207, NE¼NW¼ sec.1, T.4 S., R.8 E., 1.2 mi northeast of Jacinto.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 270 ft.

DATUM.--Land-surface datum is about 590 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.60 ft above land-surface datum.

PERIOD OF RECORD.--July 1980, February 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 166.0 ft below land-surface datum, July 15, 1980; lowest measured, 194.54 ft below land-surface datum, Aug. 23, 1985.

344536088260601. Local number, L045. (USCE NW4-1)

LOCATION.--Lat 34°45'36", long 88°26'06", Hydrologic Unit 08010207, NW¼SW¼ sec.2, T.4 S., R.8 E.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4.0 in, depth 415 ft.

DATUM.--Land-surface datum is about 520 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4.0 in pipe, 3.10 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 168.55 ft below land-surface datum, Feb. 22, 1985; lowest measured, 170.49 ft below land-surface datum, May 29, 1985.

345042088230901. Local number, L046. (USCE W4-1)

LOCATION.--Lat 34°50'42", long 88°23'09", Hydrologic Unit 06030005, SE¼SE¼ sec.6, T.3 S., R.9 E., 3.7 mi west of Burnsville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 460 ft.

DATUM.--Land-surface datum is about 600 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.90 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 209.96 ft below land-surface datum, May 23, 1985; lowest measured, 218.18 ft below land-surface datum, Feb. 21, 1985.

ALCORN COUNTY--Continued

345042088230902. Local number, L047. (USCE W4-2)

LOCATION.--Lat 34°50'42", long 88°23'09", Hydrologic Unit 06030005, SE¼SE¼ sec.6, T.3 S., R.9 E., 3.7 mi west of Burnsville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in, depth 259 ft.

DATUM.--Land-surface datum is about 600 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 3 in pipe, 2.75 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 212.35 ft below land-surface datum, May 23, 1985;

lowest measured, 215.93 ft below land-surface datum, Aug. 4, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	214.50	FEB 18	214.75	APR 28	214.48	AUG 4	215.93

345042088230903. Local number, L048. (USCE W4-3)

LOCATION.--Lat 34°50'42", long 88°23'09", Hydrologic Unit 06030005, SE¼SE¼ sec.6, T.3 S., R.9 E., 3.7 mi west of Burnsville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 315 ft.

DATUM.--Land-surface datum is about 600 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.70 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 211.00 ft below land-surface datum Feb. 22, 1985; lowest measured, 219.98 below land-surface datum, Aug. 4, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	218.34	FEB 18	218.40	APR 28	218.31	AUG 4	219.98

344857088225101. Local number, L049. (USCE W7-1)

LOCATION.--Lat 34°48'57", long 88°22'51", Hydrologic Unit 06030005, SW¼SW¼ sec.17, T.3 S., R.9 E., 3.7 mi southwest of Burnsville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 430 ft.

DATUM.--Land-surface datum is about 600 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.55 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 197.14 ft below land-surface datum, May 23, 1985; lowest measured, 198.31 below land-surface datum, Feb. 18, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	197.90	FEB 18	198.31	APR 28	197.55	AUG 4	198.15

344857088225102. Local number, L050. (USCE W7-2A)

LOCATION.--Lat 34°48'57", long 88°22'51", Hydrologic Unit 06030005, SW¼SW¼ sec.17, T.3 S., R.9 E., 3.7 mi southwest of Burnsville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 380 ft.

DATUM.--Land-surface datum is about 600 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.90 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 197.34 ft below land-surface datum, Aug. 24, 1985; lowest measured, 201.86 ft below land-surface datum, May 23, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	197.59	FEB 18	197.65	APR 28	197.64	AUG 4	198.02

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

ALCORN COUNTY--Continued

344522088220301. Local number, L051. (USCE W8-1)

LOCATION.--Lat 34°45'22", long 88°22'03", Hydrologic Unit 06030005, SE¼SE¼ sec.5, T.4 S., R.9 E., 6.4 mi southwest of Burnsville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 340 ft.

DATUM.--Land-surface datum is about 520 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.75 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 140.85 ft below land-surface datum, Feb. 18, 1986; lowest measured, 142.23 ft below land-surface datum, Feb. 22, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	141.27	FEB 18	140.85	APR 29	140.97	AUG 5	141.56

344522088220302. Local number, L052. (USCE W8-2)

LOCATION.--Lat 34°45'22", long 88°22'03", Hydrologic Unit 06030005, SE¼SE¼ sec.5, T.4 S., R.9 E., 6.4 mi southwest of Burnsville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in, depth 263 ft.

DATUM.--Land-surface datum is about 520 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 3 in pipe, 2.70 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 130.31 ft below land-surface datum, May 23, 1985; lowest measured, 131.87 ft below land-surface datum, Aug. 24, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	130.86	FEB 18	131.00	APR 29	131.23	AUG 5	131.82

344522088220303. Local number, L053. (USCE W8-3)

LOCATION.--Lat 34°45'22", long 88°22'03", Hydrologic Unit 06030005, SE¼SE¼ sec.5, T.4 S., R.9 E., 6.4 mi southwest of Burnsville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3.0 in, depth 182 ft.

DATUM.--Land-surface datum is about 537 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 3 in pipe, 2.70 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 104.36 below land-surface datum, May 23, 1985; lowest measured, 105.22 ft below land-surface datum, Aug. 24, 1985.

CLAY COUNTY

333351088320301. Local number, J097. (USCE 111A)

LOCATION.--Lat 33°35'51", long 88°32'03", Hydrologic Unit 03160101, SW¼SW¼ sec.26, T.17 S., R.7 E., 7.2 mi south-east of West Point.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 110 ft, cased to 100 ft.

DATUM.--Land-surface datum is about 180 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.3 ft above land-surface datum.

PERIOD OF RECORD.--September 1972 to August 1986 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.00 ft below land-surface datum, Mar. 22, 1973; lowest measured, 24.10 ft below land-surface datum, Aug. 13, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 6	22.98	MAR 1	22.65	MAY 5	22.81	AUG 13	24.10

CLAY COUNTY--Continued

333402088301001. Local number, J098. (USCE 112A)

LOCATION.--Lat 33°40'20", long 88°30'10", Hydrologic Unit 03160101, NE¼SE¼ sec.30, T.17 S., R.8 E., 8.8 mi south-east of West Point.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 58 ft, cased to 48 ft.

DATUM.--Land-surface datum is about 190 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 0.7 ft above land-surface datum.

PERIOD OF RECORD.--September 1972 to August 1986 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.80 ft below land-surface datum, Apr. 22, 1973; lowest measured, 12.63 ft below land-surface datum, Nov. 15, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 6	9.68	MAR 1	8.75	MAY 5	9.33	AUG 13	12.12

333402088301101. Local number, J132. (USCE GW43)

LOCATION.--Lat 30°34'02", long 88°30'11", Hydrologic Unit 03160101, NE¼SW¼ sec.30, T.17 S., R.8 E., 8 mi southeast of West Point.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 12 ft.

DATUM.--Land-surface datum is 216.2 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 1.90 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1986 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.53 ft below land-surface datum, Feb. 13, 1985; lowest measured, 8.28 ft below land-surface datum, Aug. 13, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 6	4.20	MAR 1	2.65	MAY 5	5.14	AUG 13	8.28

333351088320501. Local number, J133. (USCE GW44)

LOCATION.--Lat 33°33'51", long 88°32'05", Hydrologic Unit 03160101, NW¼SE¼ sec.26, T.17 S., R.7 E., 7.25 mi southeast of West Point.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 14 ft.

DATUM.--Land-surface datum is 180.6 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.25 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1986 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.28 ft below land-surface datum, May 15, 1985; lowest measured, 12.15 ft below land-surface datum, Dec. 6, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 6	12.15	MAR 1	10.14	MAY 5	9.64	AUG 13	11.63

333729088313801. Local number, J134. (USCE GW47)

LOCATION.--Lat 33°37'29", long 88°31'38", Hydrologic Unit 03160101, NW¼SW¼ sec.1, T.17 S., R.7 E., 7.4 mi east of West Point.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 15 ft.

DATUM.--Land-surface datum is 179.7 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.60 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1986 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 0.60 ft below land-surface datum, Feb. 13, 1985; lowest measured, 4.85 ft below land-surface datum, Aug. 13, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 6	1.54	MAR 1	1.89	MAY 3	3.91	AUG 13	4.85

CLAY COUNTY--Continued

333743088310301. Local number, J135. (USCE GW48)

LOCATION.--Lat 33°37'43", long 88°31'03", Hydrologic Unit 03160101, NW¼SE¼ sec.1, T.17 S., R.7 E., 8.5 mi east of West Point.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 24 ft.

DATUM.--Land-surface datum is 180.6 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.50 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1986 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.24 ft below land-surface datum, Feb. 31, 1985; lowest measured, 21.86 ft below land-surface datum, Aug. 13, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 6	20.27	MAR 1	20.35	MAY 5	20.74	AUG 13	21.86

ITAWAMBA COUNTY

342554088240401. Local number, A023. (USCE GW118)

LOCATION.--Lat 34°25'54", long 88°24'04", Hydrologic Unit 03160101, SE¼NE¼ sec.36, T.7 S., R.8 E., 11 mi north of Fulton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--McShan sand member of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 23 ft.

DATUM.--Land-surface datum is 325.7 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 4.00 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.20 ft below land-surface datum, Mar. 5, 1985; lowest measured, 8.81 ft below land-surface datum, Aug. 7, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	7.89	FEB 26	6.96	MAY 1	8.39	AUG 7	8.81

342506088251301. Local number, A024. (USCE GW119)

LOCATION.--Lat 34°25'06", long 88°25'13", Hydrologic Unit 03160101, NE¼SE¼ sec.35, T.7 S., R.8 E., 10.5 mi north-west of Fulton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 38 ft.

DATUM.--Land-surface datum is about 295 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 1.35 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.13 ft below land-surface datum, Mar. 6, 1985; lowest measured, 7.04 ft below land-surface datum, Aug. 7, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	4.67	FEB 26	3.37	APR 30	4.84	AUG 7	7.04

342519088261401. Local number, A025. (USCE GW120)

LOCATION.--Lat 34°25'19", long 88°26'14", Hydrologic Unit 03160101, SE¼SE¼ sec.34, T.7 S., R.8 E., 9.75 mi north-west of Fulton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 21 ft.

DATUM.--Land-surface datum is 297.2 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.70 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.06 ft above land-surface datum, May 24, 1985; lowest measured, 2.58 ft below land-surface datum, Aug. 7, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	0.15	FEB 26	0.05	APR 30	1.56	AUG 7	2.58

ITAWAMBA COUNTY--Continued

342612088225801.--Local number, B005. (USCE GW117)

LOCATION.--Lat 34°26'12", long 88°22'58", Hydrologic Unit 03160101, SW¼SW¼ sec.29, T.7 S., R.9 E., 11.5 mi north of Fulton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 21 ft.

DATUM.--Land-surface datum is 359.2 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.30 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.80 ft below land-surface datum, Mar. 5, 1985; lowest measured, 3.19 ft below land-surface datum, Aug. 7, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	2.32	FEB 26	2.14	MAY 1	2.72	AUG 7	3.19

342734088222601. Local number, B007. (USCE P6008)

LOCATION.--Lat 34°27'34", long 88°22'26", Hydrologic Unit 03160101, SE¼NE¼ sec.20, T.7 S., R.9 E., 6 mi southwest of Bay Springs Lock.

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 1.5 in, depth 60 ft.

DATUM.--Land-surface datum is 319.6 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 4.65 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 (destroyed).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.10 ft above land-surface datum, Mar. 5, 1985; lowest measured, 0.10 ft above land-surface datum, Mar. 5, 1985.

342705088215001. Local number, B008. (USCE P6018)

LOCATION.--Lat 34°27'05", long 88°21'50", Hydrologic Unit 03160101, SW¼SW¼ sec.21, T.7 S., R.9 E., 6 mi southwest of Bay Springs Lock.

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 1.5 in, depth 187 ft.

DATUM.--Land-surface datum is about 440 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.90 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 105.15 ft below land-surface datum, May 1, 1986; lowest measured, 106.43 ft below land-surface datum, Aug. 7, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	105.91	FEB 26	105.39	MAY 1	105.15	AUG 7	106.43

342654088210701. Local number, B009. (USCE P6028)

LOCATION.--Lat 34°26'54", long 88°21'07", Hydrologic Unit 03160101, NW¼NE¼ sec.28, T.7 S., R.9 E., 6 mi southwest of Bay Springs Lock.

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 1.5 in, depth 200 ft.

DATUM.--Land-surface datum is about 450 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.95 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 127.13 ft below land-surface datum, May 1, 1986; lowest measured, 127.85 ft below land-surface datum, Mar. 5, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	127.20	FEB 26	126.75	MAY 1	127.13	AUG 7	127.78

ITAWAMBA COUNTY--Continued

342122088243301. Local number, D039. (USCE CF87)

LOCATION.--Lat 34°21'22", long 88°24'33", Hydrologic Unit 03160101, NW¼SE¼ sec.25, T.8 S., R.8 E., 5.5 mi north of Fulton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 66 ft.

DATUM.--Land-surface is 271.1 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 5.25 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.16 ft below land-surface datum, May 1, 1986; lowest measured, 2.65 ft below land-surface datum, Mar. 5, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	1.05	FEB 26	0.43	MAY 1	0.16	AUG 7	0.51

341918088243001. Local number, D040. (USCE GW110)

LOCATION.--Lat 34°19'18", long 88°24'30", Hydrologic Unit 03160101, NE¼NE¼ sec. 12, T.9 S., R.8 E., 3.8 mi north of Fulton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 23 ft.

DATUM.--Land-surface datum is 282.7 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.25 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.95 ft below land-surface datum, Mar. 5, 1985; lowest measured, 4.95 ft below land-surface datum, Aug. 7, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	1.00	FEB 26	1.24	MAY 1	3.09	AUG 7	4.95

342138088244601. Local number, D041. (USCE GW112A)

LOCATION.--Lat 34°21'38", long 88°24'46", Hydrologic Unit 03160101, NE¼NW¼ sec.25, T.8 S., R.8 E., 6 mi north of Fulton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 28 ft.

DATUM.--Land-surface datum is about 275 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 5.20 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.80 ft above land-surface datum, Dec. 3, 1985; lowest measured, 4.90 ft above land-surface datum, May 2, 1985.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	4.80	FEB 26	4.28	MAY 1	4.75	AUG 7	2.94

342334088261201. Local number, D042. (USCE GW115)

LOCATION.--Lat 34°23'34", long 88°26'12", Hydrologic Unit 03160101, SE¼SE¼ sec.10, T.8 S., R.8 E., 8.5 mi northwest of Fulton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 29 ft.

DATUM.--Land-surface datum is 299.2 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.7 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.20 ft below land-surface datum, March 6, 1985; lowest measured, 7.74 ft below land-surface datum, Aug. 7, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	7.74	FEB 26	7.61	APR 30	7.74	AUG 7	7.47

ITAWAMBA COUNTY--Continued

342437088234201. Local number, D043. (USCE GW116)

LOCATION.--Lat 34°24'37", long 88°23'42", Hydrologic Unit 03160101, SE¼SW¼ sec.6 T.8 S., R.9 E., 9.75 mi north of Fulton.

Owner: U. S. Army of Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 30 ft.

DATUM.--Land-surface datum is 333.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.6 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.00 ft below land-surface datum, Mar. 5, 1985; lowest measured, 23.80 ft below land-surface datum, Aug. 7, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	23.24	FEB 26	22.99	MAY 1	23.49	AUG 7	23.80

342434088242801. Local number, D044. (USCE GW116A)

LOCATION.--Lat 34°24'34", long 88°24'28", Hydrologic Unit 03160101, SW¼SE¼ sec.1, T.8 S., R.8 E., 9 mi north of Fulton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 25 ft.

DATUM.--Land-surface datum is about 285 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 1.75 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.75 ft below land-surface datum, Mar. 6, 1985; lowest measured, 1.94 ft below land-surface datum, Aug. 7, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	0.99	FEB 26	0.91	APR 30	1.09	AUG 7	1.94

342058088243601. Local number, D045. (USCE P500B)

LOCATION.--Lat 34°20'58", long 88°24'36", Hydrologic Unit 03160101, SW¼SE¼ sec.25, T.8 S., R.8 E., 5.25 mi north of Fulton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 124 ft.

DATUM.--Land-surface datum is about 290 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 4.15 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.35 ft above land-surface datum, Mar. 5, 1985; lowest measured, 7.62 ft above land-surface datum, Aug. 7, 1986.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	9.00	FEB 26	9.92	MAY 1	9.92	AUG 7	7.62

342151088240401. Local number, D046. (USCE P501B)

LOCATION.--Lat 34°21'51", long 88°24'04", Hydrologic Unit 03160101, SE¼SE¼ sec.24, T.8 S., R.8 E., 6.75 mi north of Fulton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 152 ft.

DATUM.--Land-surface datum is 308.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.05 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.34 ft below land-surface datum, Feb. 26, 1986; lowest measured, 7.78 ft below land-surface datum, AUG. 7, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	6.64	FEB 26	6.34	MAY 1	6.67	AUG 7	7.78

ITAWAMBA COUNTY--Continued

342301088230101. Local number, E005. (USCE 65A)

LOCATION.--Lat 34°23'01", long 88°23'01", Hydrologic Unit 03160101, NE¼SE¼ sec.18, T.8 S., R.9 E., 7.1 mi north of Fulton.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 130 ft, cased to 110 ft.

DATUM.--Land-surface datum is about 325 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 5.5 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level indicated, flowing >5 ft above land-surface datum, many days in April, September and October 1978; lowest recorded, 47.42 ft below land-surface datum, Aug. 16, 1982.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	1.24	FEB 26	1.74	MAY 1	1.56	AUG 7	0.89

342311088222501. Local number, E009. (USCE GW113)

LOCATION.--Lat 34°23'11", long 88°22'25", Hydrologic Unit 03160101, SW¼NE¼ sec.17, T.8 S., R.9 E., 8 mi northeast of Fulton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 26 ft.

DATUM.--Land-surface datum is 329.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.95 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.99 ft below land-surface datum, Mar. 5, 1985; lowest measured, 17.48 ft below land-surface datum, Aug. 7, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	16.05	FEB 26	14.95	MAY 1	16.02	AUG 7	17.48

342301088230201. Local number, E010. (USCE GW114)

LOCATION.--Lat 34°23'01", long 88°23'02", Hydrologic Unit 03160101, NE¼SE¼ sec.18, T.8 S., R.9 E., 7.75 mi northeast of Fulton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 12 ft.

DATUM.--Land-surface datum is 311.7 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.65 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.75 ft below land-surface datum, Mar. 5, 1985; lowest measured, 7.65 ft below land-surface datum, Aug. 7, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	4.76	FEB 26	4.27	MAY 1	5.30	AUG 7	7.65

342137088231801. Local number, E011 (USCE P5038)

LOCATION.--Lat 34°21'37", long 88°23'18", Hydrologic Unit 03160101, NW¼NE¼ sec.30, T.8 S., R.9 E., 6.25 mi northeast 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 1.5 in, depth 221 ft.

DATUM.--Land-surface datum is about 420 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 1.85 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 97.27 ft below land-surface datum, Feb. 26, 1986; lowest measured, 99.89 ft below land-surface datum, Aug. 6, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	97.86	FEB 26	97.27	MAY 1	97.45	AUG 6	99.89

ITAWAMBA COUNTY--Continued

341610088264801. Local number, G065. (USCE 67A)

LOCATION.--Lat 34°16'10", long 88°26'48", Hydrologic Unit 03160101, SW¼SE¼ sec.27, T.9 S., R.8 E., 2 mi west of Fulton.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 179 ft, cased to 169 ft.

DATUM.--Land-surface datum is about 270 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.4 ft above land-surface datum.

PERIOD OF RECORD.--January 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.63 ft above land-surface datum, May 17, 1979;

lowest measured, 23.21 ft below land-surface datum, Feb. 10, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 2	3.68	FEB 25	3.45	APR 30	3.31	AUG 7	5.71

341610088264802. Local number, G066. (USCE 67B)

LOCATION.--Lat 34°16'10", long 88°26'48", Hydrologic Unit 03160101, SW¼SE¼ sec.27, T.9 S., R.8 E., 2 mi west of Fulton.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 71 ft, cased to 61 ft.

DATUM.--Land-surface datum is about 270 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.4 ft above land-surface datum.

PERIOD OF RECORD.--January 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.42 ft below land-surface datum, May 17, 1979,

lowest measured, 19.62 ft below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 2	16.99	FEB 25	17.15	APR 30	18.24	AUG 7	19.11

341604088244601. Local number, G067. (USCE GW106B)

LOCATION.--Lat 34°16'04", long 88°24'46", Hydrologic Unit 03160101, SW¼SE¼ sec.25, T.9 S., R.8 E., in 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, cased to 165 ft.

DATUM.--Land-surface datum is about 284 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.80 ft above land-surface datum.

PERIOD OF RECORD.--June 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.17 ft below land-surface datum, June 8, 1978;

lowest measured, 44.16 ft below land-surface datum, Oct. 2, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	14.79	FEB 26	14.44	MAY 1	15.31	AUG 7	15.97

341604088244602. Local number, G068. (USCE GW106A)

LOCATION.--Lat 34°16'04", long 88°24'46", Hydrologic Unit 03160101, SW¼SE¼ sec.25, T.9 S., R.8 E., in Fulton.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 2 in, depth 10 ft, cased to 5 ft.

DATUM.--Land-surface datum is about 290 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.8 ft above land-surface datum.

PERIOD OF RECORD.--June 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.21 ft above land-surface datum, June 8, 1978;

lowest measured, 0.95 ft below land-surface datum, Jan. 29, 1985.

WATER LEVEL, IN FEET ABOVE AND BELOW (-) LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	0.88	FEB 26	0.58	MAY 1	-0.10	AUG 7	-0.73

ITAWAMBA COUNTY--Continued

341621088255001. Local number, G070. (USCE GW104C)

LOCATION.--Lat 34°16'21", long 88°25'50", Hydrologic Unit 03160101, NW¼NW¼ sec.26, T.9 S., R.8 E., 1.5 mi west of Fulton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in, depth 24 ft, cased to 19 ft.

DATUM.--Land-surface datum is about 260 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.2 ft above land-surface datum.

PERIOD OF RECORD.--February 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.46 ft above land-surface datum, Aug. 8, 1986; lowest measured, 4.78 ft below land-surface datum, Aug. 28, 1984.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 2	1.77	FEB 25	1.66	MAY 1	1.25	AUG 8	0.46

341627088250201. Local number, G072. (USCE C38-73)

LOCATION.--Lat 34°16'27", long 88°25'02", Hydrologic Unit 03160101, SW¼NW¼ sec.25, T.9 S., R.8 E., 0.75 mi west of center of Fulton on U. S. Highway 78.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 33 ft.

DATUM.--Land-surface datum is 263.2 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.9 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.46 ft above land-surface datum, Mar. 5, 1985; lowest measured, 0.75 ft below land-surface datum, Feb. 26, 1986.

WATER LEVEL, IN FEET ABOVE AND BELOW (-) LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 26	0.75	MAY 1	-0.19	AUG 7	-0.37

341527088250001. Local number, G074. (USCE GW104A)

LOCATION.--Lat 34°15'27", long 88°25'00", Hydrologic Unit 03160101, NE¼SW¼ sec.36, T.9 S., R.8 E., 1 mi south of U. S. Highway 78 in 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 1.5 in, depth 88 ft.

DATUM.--Land-surface datum is about 290 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.0 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water-level measured, 20.20 ft below land-surface datum, Aug. 7, 1986; lowest measured, 25.80 ft below land-surface datum, Mar. 5, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	22.74	FEB 26	23.70	MAY 1	23.29	AUG 7	20.20

341527088250002. Local number, G075. (USCE GW104B)

LOCATION.--Lat 34°15'27", long 88°25'00", Hydrologic Unit 03160101, NE¼SW¼ sec.36, T.9 S., R.8 E., 1.5 mi south of old U. S. Highway 78 in 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 1.5 in, depth 138 ft.

DATUM.--Land-surface datum is about 290 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.1 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.76 ft below land-surface datum, Aug. 7, 1986; lowest measured, 22.00 ft below land-surface datum, Mar. 5, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	18.93	FEB 26	20.00	MAY 1	20.04	AUG 7	17.76

ITAWAMBA COUNTY--Continued

341518088263001. Local number, G076. (USCE GW105)

LOCATION.--Lat 34°15'18", long 88°26'30", Hydrologic Unit 03160101, NE¼SE¼ sec.34, T.9 S., R.8 E., 2.2 mi southwest of Fulton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 29 ft.

DATUM.--Land-surface datum is 254.6 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 1.8 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest level measured, 1.02 ft below land-surface datum, May 24, 1985; lowest measured, 5.42 ft below land-surface datum, Aug. 8, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 2	1.45	FEB 25	0.36	MAY 1	1.59	AUG 8	5.42

341602088265001. Local number, G077. (USCE GW107)

LOCATION.--Lat 34°16'02", long 88°26'50", Hydrologic Unit 03160101, SW¼SE¼ sec.27, T.9 S., R.8 E., 2.3 mi west of Fulton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 31 ft.

DATUM.--Land-surface datum is 273.3 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 4.05 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.09 ft below land-surface datum, Mar. 6, 1985; lowest measured, 18.27 ft below land-surface datum, Aug. 7, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 2	16.67	FEB 25	16.24	APR 30	17.40	AUG 7	18.27

341759088245401. Local number, G078. (USCE GW108)

LOCATION.--Lat 34°17'59", long 88°24'54", Hydrologic Unit 03160101, NE¼SW¼ sec.13, T.9 S., R.8 E., 2.25 mi north of Fulton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 14 ft.

DATUM.--Land-surface datum is 284.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.30 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.58 ft below land-surface datum, Mar. 5, 1985; lowest measured, 4.08 ft below land-surface datum, Aug. 7, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	3.35	FEB 26	3.21	MAY 1	3.68	AUG 7	4.08

341759088245402. Local number, G079. (USCE GW108B)

LOCATION.--Lat 34°17'59", long 88°24'54", Hydrologic Unit 03160101, NE¼SW¼ sec.13, T.9 S., R.8 E., 2.25 mi north of Fulton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 150 ft.

DATUM.--Land-surface datum is 284.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.5 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.36 ft below land-surface datum, Feb. 26, 1986; lowest measured, 4.80 ft below land-surface datum, Aug. 7, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	1.45	FEB 26	0.36	MAY 1	1.49	AUG 7	4.80

ITAWAMBA COUNTY--Continued

341754088272001. Local number, G080. (USCE GW109)

LOCATION.--Lat 34°17'54", long 88°27'20", Hydrologic Unit 03160101, NW¼SW¼ sec.15, T.9 S., R.8 E., 3.2 mi northwest of Fulton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 24 ft.

DATUM.--Land-surface datum is 278.2 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 4.1 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.33 ft below land-surface datum, Mar. 6, 1985; lowest measured, 5.34 ft below land-surface datum, Aug. 7, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 2	2.67	FEB 25	2.68	APR 30	3.92	AUG 7	5.34

341754088272002. Local number, G081. (USCE GW109B)

LOCATION.--Lat 34°17'54", long 88°27'20", Hydrologic Unit 03160101, NW¼SW¼ sec.15, T.9 S., R.8 E., 3 mi northwest of Fulton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 198 ft.

DATUM.--Land-surface datum is 278.2 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 5.6 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.75 ft above land-surface datum, Mar. 6, 1985; lowest measured, 0.50 ft above land-surface datum, Aug. 7, 1986.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 2	2.16	FEB 25	2.63	APR 30	1.95	AUG 7	0.50

341934088260101. Local number, G082. (USCE GW111)

LOCATION.--Lat 34°19'34", long 88°26'01", Hydrologic Unit 03160101, SE¼SW¼ sec.2, T.9 S., R.8 E., 4 mi northwest of Fulton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 35 ft.

DATUM.--Land-surface datum is 270.9 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 1.5 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.16 ft below land-surface datum, Feb. 26, 1986; lowest measured, 8.98 ft below land-surface datum, Aug. 7, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 2	4.98	FEB 26	5.16	APR 30	6.65	AUG 7	8.98

341948088271301. Local number, G083. (USCE GW112)

LOCATION.--Lat 34°19'48", long 88°27'13", Hydrologic Unit 03160101, NW¼SW¼ sec.3, T.9 S., R.8 E., 4.7 mi northwest of Fulton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 24 ft.

DATUM.--Land-surface datum is 292.9 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.1 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.57 ft below land-surface datum, Dec. 2, 1985; lowest measured, 2.52 ft below land-surface datum, Aug. 7, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 2	0.57	FEB 26	1.16	APR 30	2.37	AUG 7	2.52

ITAWAMBA COUNTY--continued

341527088245401. Local number, G084. (USCE GW104)

LOCATION.--Lat 34°15'27", long 88°24'54", Hydrologic Unit 03160101, SW¼NW¼ sec.36, T.9 S., R.8 E., 1.2 mi south of U. S. Highway 78 in Fulton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 2.0 in, depth 26 ft.

DATUM.--Land-surface datum is about 240 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2.0 in pipe, 2.15 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.14 ft below land-surface datum, Mar. 5, 1985; lowest measured, 9.40 ft below land-surface datum, Aug. 7, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	7.30	FEB 26	7.31	MAY 1	9.14	AUG 7	9.40

341221088244101. Local number K039. (USCE 71A)

LOCATION.--Lat 34°14'25", long 88°19'31", Hydrologic Unit 03160101, NE¼SW¼ sec.2, T.10 S., R.9 E., 4.6 mi southwest of Fulton.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 170 ft, cased to 150 ft.

DATUM.--Land-surface datum is about 273 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.0 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.24 ft below land-surface datum, Mar. 10, 1976; lowest measured, 17.49 ft below land-surface datum, Nov. 17, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 12	9.89	FEB 25	9.43	MAY 1	9.63	AUG 8	10.28

341356088243601. Local number, K042. (USCE BF179-75)

LOCATION.--Lat 34°13'56", long 88°24'36", Hydrologic Unit 03160101, sec.12, T.8 E., R.10 S., 3 mi south of Fulton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2.0 in, depth 46 ft.

DATUM.--Land-surface datum is about 250 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2.0 in pipe, 3.15 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.56 ft above land-surface datum, Feb. 26, 1986; lowest measured, 5.70 ft above land-surface datum, Aug. 25, 1985.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	6.94	FEB 26	7.56	MAY 2	7.00	AUG 8	6.60

341232088225302. Local number, L014. (USCE 74A)

LOCATION.--Lat 34°12'32", long 88°22'53", Hydrologic Unit 03160101, SW¼SW¼ sec.17, T.10 S., R.9 E., 4.3 mi south of Fulton.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 150 ft, cased to 130 ft.

DATUM.--Land-surface datum is about 270 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.5 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.63 ft below land-surface datum, Mar. 14, 1975; lowest recorded 24.04 ft below land-surface datum, Oct. 20, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	16.24	FEB 26	15.70	MAY 2	16.40	AUG 8	16.94

ITAWAMBA COUNTY--Continued

341232088222801. Local number, L016. (USCE 75A)

LOCATION.--Lat 34°12'32", long 88°22'28", Hydrologic Unit 03160101, SW¼SE¼ sec.17, T.10 S., R.9 E., 4.8 mi south-east of Fulton.

Owner: U.S. Army Corps of Engineers

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 144 ft, cased to 124 ft.

DATUM.--Land-surface datum is about 300 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.2 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.12 ft below land-surface datum, Apr. 25, 1973; lowest measured, 33.49 ft below land-surface datum, Nov. 17, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	25.80	FEB 26	25.21	MAY 2	26.05	AUG 8	27.22

341235088233801. Local number, L017. (USCE 72A)

LOCATION.--Lat 34°12'35", long 88°23'38", Hydrologic Unit 03160101, NW¼SE¼ sec.18, T.10 S., R.9 E., 4.2 mi south of Fulton.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian wells, diameter 4 in, depth 21 ft, cased to 16 ft.

DATUM.--Land-surface datum is about 249 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.6 ft.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.0 ft above land-surface datum, Feb. 9, 1975; lowest measured, 5.01 ft below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET ABOVE AND BELOW (-) LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 12	-0.41	FEB 25	0.73	MAY 1	0.17	AUG 8	-1.92

NOTE: Well inaccessible during high river stages.

341232088225301. Local number, L019. (USCE 74B)

LOCATION.--Lat 34°12'32", long 88°22'53", Hydrologic Unit 03160101, SW¼SW¼ sec.17, T.10 S., R.9 E., 4.3 mi south of Fulton.

Owner: Sarge Benson.

AQUIFER.--Terraces, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Dug unused water-table well, diameter 24 in, depth 16 ft, cased to 16 ft.

DATUM.--Land-surface datum is about 270 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.0 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.48 ft below land-surface datum, Jan. 23, 1973; lowest measured, 17.81 ft below land-surface datum, Nov. 28, 1984.

NOTE: No measurement made in 1986.

341151088231301. Local number, L021. (USCE 8F170-75)

LOCATION.--Lat 34°11'51", long 88°23'13", Hydrologic Unit 03160101, NE¼SE¼ sec.19, T.10 S., R.9 E., 4 mi south of Fulton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 67 ft.

DATUM.--Land-surface datum is 247.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 5.0 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.98 ft above land-surface datum, May 20, 1985; lowest measured, 3.35 ft above land-surface datum, Mar. 5, 1985.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	4.91	FEB 26	3.37	MAY 2	4.93	AUG 8	2.29

ITAWAMBA COUNTY--Continued

341233088234701. Local number, L022. (USCE BF173-75)

LOCATION.--Lat 34°12'33", long 88°23'47", Hydrologic Unit 03160101, NE¼SE¼ sec.18, T.10 S., R.9 E., 4 mi south of Fulton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 51 ft.

DATUM.--Land-surface datum is 252.2 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.3 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.30 ft above land-surface datum, Feb. 26, 1986; lowest measured, 0.20 ft below land-surface datum, Mar. 5, 1985.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	3.30	FEB 26	3.30	MAY 2	2.39	AUG 8	0.77

341230088223201. Local number, L023. (USCE GW99)

LOCATION.--Lat 34°12'30", long 88°22'32", Hydrologic Unit 03160101, SW¼SE¼ sec.17, T.10 S., R.9 E., 5 mi south of Fulton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 30 ft.

DATUM.--Land-surface datum is 282.8 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.25 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.38 ft below land-surface datum, Mar. 4, 1985; lowest measured, 6.86 ft below land-surface datum, Aug. 8, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	4.06	FEB 26	3.60	MAY 2	4.93	AUG 8	6.86

341340088234101. Local number, L024. (USCE GW100A)

LOCATION.--Lat 34°13'40", long 88°23'41", Hydrologic Unit 03160101, NW¼NW¼ sec.18, T.10 S., R.9 E., 3.75 mi south of Fulton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 32 ft.

DATUM.--Land-surface datum is about 255 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.2 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.29 ft below land-surface datum, Feb. 26, 1986; lowest measured, 10.02 ft below land-surface datum, Aug. 8, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	6.87	FEB 26	6.29	MAY 2	8.03	AUG 8	10.02

341417088234601. Local number, L025. (USCE GW101)

LOCATION.--Lat 34°14'17", long 88°23'46", Hydrologic Unit 03160101, SE¼SW¼ sec.6, T.10 S., R.9 E., 2.5 mi southeast of Fulton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 21 ft.

DATUM.--Land-surface datum is 304.8 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.5 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.30 ft below land-surface datum, Mar. 4, 1985; lowest measured, 7.26 ft below land-surface datum, Aug. 8, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	3.82	FEB 26	4.30	MAY 2	5.55	AUG 8	7.26

ITAWAMBA COUNTY--Continued

341412088241601. Local number, L026. (USCE GW102)

LOCATION.--Lat 34°14'12", long 88°24'16", Hydrologic Unit 03160101, SE¼SE¼ sec.1, T.10 S., R.8 E., 2.5 mi south of Fulton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 21 ft.

DATUM.--Land-surface datum is 277.1 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 4.55 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.03 ft below land-surface datum, Dec. 4, 1985; lowest measured, 8.73 ft below land-surface datum, Aug. 8, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	3.03	FEB 26	3.52	MAY 2	6.88	AUG 8	8.73

340544088255201. Local number, N028. (USCE 81A)

LOCATION.--Lat 34°05'44", long 88°25'52", Hydrologic Unit 03160101, NE¼SW¼ sec.26, T.11 S., R.8 E., 12.3 mi south of Fulton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 180 ft, cased to 170 ft.

DATUM.--Land-surface datum is about 246 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.4 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.85 ft below land-surface datum, Mar. 10, 1976; lowest measured, 22.60 ft below land-surface datum, Nov. 5, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 12	11.52	FEB 25	11.08	MAY 1	11.40	AUG 8	12.42

340649088252401. Local number, N029. (USCE GW95A)

LOCATION.--Lat 34°06'49", long 88°25'24", Hydrologic Unit 03160101, SE¼NE¼ sec.23, T.11 S., R.8 E., 3.5 mi northwest of Smithville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 35 ft.

DATUM.--Land-surface datum is 242.4 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.4 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.35 ft below land-surface datum, Feb. 25, 1986; lowest measured, 7.62 ft below land-surface datum, Aug. 8, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 12	3.69	FEB 25	3.35	MAY 1	5.37	AUG 8	7.62

340056088282901. Local number, 0010. (USCE GW94)

LOCATION.--Lat 34°00'56", long 88°28'29", Hydrologic Unit 03160101, SE¼SE¼ sec.20, T.12 S., R.8 E., 1.5 mi north of Smithville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 23 ft.

DATUM.--Land-surface datum is about 278 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.7 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.40 ft below land-surface datum, May 20, 1985; lowest measured, dry, Aug. 28, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	DRY	FEB 26	DRY	MAY 2	DRY	AUG 11	DRY

ITAWAMBA COUNTY--Continued

340705088225801. Local number, 0011. (USCE GW95)

LOCATION.--Lat 34°07'05", long 88°22'58", Hydrologic Unit 03160101, SW¼SW¼ sec.17, T.11 S., R.9 E., 3.0 mi north of Smithville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 29 ft.

DATUM.--Land-surface datum is 325.4 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 4.35 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.11 ft below land-surface datum, May 20, 1985; lowest measured, 21.87 ft below land-surface datum, Aug. 11, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	20.97	FEB 26	21.16	MAY 2	20.94	AUG 11	21.87

340724088232301. Local number, 0012. (USCE GW96)

LOCATION.--Lat 34°07'24", long 88°23'23", Hydrologic Unit 03160101, NW¼SE¼ sec.18, T.11 S., R.9 E., 4 mi north of Smithville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 23 ft.

DATUM.--Land-surface datum is 262.9 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 1.9 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.37 ft below land-surface datum, Mar. 4, 1985; lowest measured, 14.53 ft below land-surface datum, Aug. 11, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	13.53	FEB 26	11.35	MAY 2	13.91	AUG 11	14.53

340017088270201. Local number, 0013. (USCE GW96A)

LOCATION.--Lat 34°00'17", long 88°27'02", Hydrologic Unit 03160101, SW¼NW¼ sec.20, T.12 S., R.18 W., 4.4 mi north of Smithville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 24 ft.

DATUM.--Land-surface datum is 238.6 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 4.15 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.35 ft below land-surface datum, Mar. 7, 1985; lowest measured, 6.10 ft below land-surface datum, Aug. 8, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 12	3.84	FEB 18	3.49	MAY 1	4.20	AUG 8	6.10

341746088260401. Local number, 0014. (USCE GW97)

LOCATION.--Lat 34°17'46", long 88°26'04", Hydrologic Unit 03160101, SE¼SW¼ sec.14, T.9 S., R.8 E., 6.5 mi south of Fulton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 60 ft.

DATUM.--Land-surface datum is 393.9 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.65 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	DRY	FEB 26	DRY	MAY 2	DRY	AUG 11	DRY

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

ITAWAMBA COUNTY--Continued

340941088240901. Local number, 0015. (USCE GW98)

LOCATION.--Lat 34°09'41", long 88°24'09", Hydrologic Unit 03160101, SW¼SW¼ sec.31, T.10 S., R.9 E., 4.75 mi south of Fulton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 23 ft.

DATUM.--Land-surface datum is 267.2 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.35 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.88 ft below land-surface datum, Mar. 7, 1985; lowest measured, 7.00 ft below land-surface datum, Aug. 8, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 12	2.33	FEB 25	2.60	MAY 1	4.46	AUG 8	7.00

340848088224901. Local number, 0016. (USCE BF165-75)

LOCATION.--Lat 34°08'48", long 88°22'49", Hydrologic Unit 03160101, SW¼SW¼ sec.5, T.11 S., R.9 E., 10.5 mi south of Fulton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2.0 in, depth 50 ft.

DATUM.--Land-surface datum is 250 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2.0 in pipe, 7.65 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.83 ft above land-surface datum, Feb. 26, 1986; lowest measured, 3.52 ft above land-surface datum, Aug. 28, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	4.74	FEB 26	5.83	MAY 2	4.53	AUG 11	3.85

340849088230501. Local number, 0017. (USCE B54-73)

LOCATION.--Lat 34°08'49", long 88°23'05", Hydrologic Unit 03160101, SW¼NW¼ sec.5, T.11 S., R.9 E., 10.5 mi south of Fulton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 2.0 in, depth 27 ft.

DATUM.--Land-surface datum is about 240 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2.0 in pipe, 5.15 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.14 ft below land-surface datum, Dec. 4, 1985; lowest measured, 1.60 ft below land-surface datum, Aug. 11, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	2.14	FEB 26	2.08	MAY 2	1.63	AUG 11	1.60

LOWNDES COUNTY

333805088291001. Local number, A033. (USCE TTM3A)

LOCATION.--Lat 33°38'05", long 88°29'10", Hydrologic Unit 03160101, NW¼NW¼ sec.36, T.16 S., R.19 W., 10 mi north-west of Columbus.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 78 ft.

DATUM.--Land-surface datum is about 182 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.0 ft above land-surface datum.

PERIOD OF RECORD.--June 1975 to August 1986 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.27 ft below land-surface datum, June 9, 1978; lowest measured, 10.73 ft below land-surface datum, Nov. 16, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 6	6.79	FEB 28	5.37	MAY 4	5.98	AUG 13	8.50

LOWNDES COUNTY--Continued

333805088291002. Local number, A034. (USCE TTM3B)

LOCATION.--Lat 33°38'05", long 88°29'10", Hydrologic Unit 03160104, NW¼NW¼ sec.36, T.16 S., R.19 W., 10 mi north-west of Columbus.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 31 ft, cased to 21 ft.

DATUM.--Land-surface datum is about 182 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.9 ft above land-surface datum.

PERIOD OF RECORD.--June 1975 to August 1986 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.71 ft below land-surface datum, Apr. 20, 1982; lowest measured 25.91 ft below land-surface datum, Sept. 15, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 6	5.80	FEB 28	4.26	MAY 4	4.98	AUG 16	8.28

333821088273201. Local number, A038. (USCE GW49)

LOCATION.--Lat 33°38'21", long 88°27'32", Hydrologic Unit 03160103, SW¼SE¼ sec.30, T.16 S., R.18 W., 8 mi north of Columbus.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 35 ft.

DATUM.--Land-surface datum is 181.8 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.65 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1986 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.33 ft below land-surface datum, Feb. 12, 1985; lowest measured, 7.92 ft below land-surface datum, Aug. 13, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	4.27	FEB 28	3.37	MAY 4	4.16	AUG 13	7.92

333354088270501. Local number, C099. (USCE 115A)

LOCATION.--Lat 33°33'54", long 88°27'05", Hydrologic Unit 03160101, SE¼SE¼ sec.19, T.17 S., R.18 W., 7 mi north-west of Columbus.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 84 ft, cased to 74 ft.

DATUM.--Land-surface datum is about 172 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.4 ft above land-surface datum.

PERIOD OF RECORD.--September 1972 to August 1986 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.63 ft below land-surface datum, Mar. 22, 1973; lowest measured, 8.82 ft below land-surface datum, Nov. 16, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 6	5.39	FEB 28	5.34	MAY 4	5.94	AUG 13	8.23

333355088282502. Local number, C100. (USCE 114B)

LOCATION.--Lat 33°33'55", long 88°28'25", Hydrologic Unit 03160101, SE¼SE¼ sec.24, T.17 S., R.19 W., 5.2 mi north-west of Columbus.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Terraces, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 47 ft, cased to 37 ft.

DATUM.--Land-surface datum is about 170 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.0 ft above land-surface datum.

PERIOD OF RECORD.--September 1972 to August 1986 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.82 ft above land-surface datum, Mar. 23, 1973; lowest measured, 10.80 ft below land-surface datum, Oct. 23, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 6	4.78	FEB 28	4.55	MAY 4	5.26	AUG 13	6.81

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

LOWNDES COUNTY--Continued

333355088282503. Local number, C101. (USCE 114C)

LOCATION.--Lat 33°33'55", long 88°28'25", Hydrologic Unit 03160101, SE¼SE¼ sec.24, T.17 S., R.19 W., 5.2 mi north-west of Columbus.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 92 ft, cased to 82 ft.

DATUM.--Land-surface datum is about 170 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top to casing, 2.3 ft above land-surface datum.

PERIOD OF RECORD.--September 1972 to August 1986 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.59 ft below land-surface datum, Mar. 23, 1973; lowest measured, 11.61 ft below land-surface datum, Feb. 5, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 6	9.28	FEB 28	9.08	MAY 4	9.51	AUG 13	10.29

333354088270502. Local number, C102. (USCE 115B)

LOCATION.--Lat 33°33'54", long 88°27'05", Hydrologic Unit 03160101, SE¼SE¼ sec.19, T.17 S., R.18 W., 7 mi northwest of Columbus.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Terraces, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 24 ft, cased to 19 ft.

DATUM.--Land-surface datum is about 172 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.4 ft above land-surface datum.

PERIOD OF RECORD.--September 1972 to August 1986 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.34 ft below land-surface datum, Mar. 22, 1973; lowest measured, 10.57 ft below land-surface datum, Oct. 19, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 6	2.86	FEB 28	2.53	MAY 4	4.38	AUG 13	8.80

333307088281801. Local number, C130. (USCE GW42)

LOCATION.--Lat 33°33'07", long 88°28'18", Hydrologic Unit 03160105, SE¼SE¼ sec.25, T.18 S., R.19 W.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 32 ft.

DATUM.--Land-surface datum is 168.9 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.20 ft below land-surface datum, Feb. 13, 1985; lowest measured, 4.55 ft below land-surface datum, Aug. 13, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 6	3.23	FEB 28	3.20	MAY 4	3.40	AUG 13	4.55

333609088272801. Local number, C131. (USCE GW45)

LOCATION.--Lat 33°36'09", long 88°27'28", Hydrologic Unit 03160101, SW¼NE¼ sec.7, T.17 S., R.19 W., 7.75 mi north of Columbus.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 22 ft.

DATUM.--Land-surface datum is 198.3 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 1.50 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.15 ft below land-surface datum, Feb. 12, 1985; lowest measured, 9.42 ft below land-surface datum, Aug. 13, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 6	8.83	FEB 28	8.60	MAY 4	9.18	AUG 13	9.42

LOWNDES COUNTY--Continued

332935088282001. Local number, F073. (USCE TTM2A)

LOCATION.--Lat 33°29'35", long 88°28'20", Hydrologic Unit 03160101, NE¼NW¼ sec.25, T.19 N., R.17 E., 2.3 mi west of Columbus.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 162 ft, cased to 152 ft.

DATUM.--Land-surface datum is about 160 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.8 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.16 ft below land-surface datum, June 4, 1975; lowest measured, 27.64 ft below land-surface datum, Aug. 26, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 6	25.49	FEB 28	25.42	MAY 4	25.64	AUG 14	26.41

332935088282002. Local number, F074. (USCE TTM2B)

LOCATION.--Lat 33°29'35", long 88°28'20", Hydrologic Unit 03160101, NE¼SW¼ sec.17, T.20 S., R.17 W., 2.3 mi west of Columbus.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 19 ft, cased to 9 ft.

DATUM.--Land-surface datum is about 160 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.3 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.14 ft below land-surface datum, Mar. 7, 1983; lowest measured, dry, Feb. 11, 1981, Dec. 6, 1985, Feb. 28, 1986, Aug. 14, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 6	DRY	FEB 28	DRY	MAY 4	18.47	AUG 14	DRY

333035088300401. Local number, F081. (USCE P2-101)

LOCATION.--Lat 33°30'35", long 88°30'04", Hydrologic Unit 03160101, SE¼ sec.15, T.18 S., R.17 E., 5.5 mi west of center of Columbus.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 140 ft.

DATUM.--Land-surface datum is about 208 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.80 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1986 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.30 ft below land-surface datum, Feb. 12, 1985; lowest measured, 64.27 ft below land-surface datum, Aug. 14, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 6	63.75	FEB 28	63.55	MAY 4	63.85	AUG 14	64.27

333044088305001. Local number, F082. (USCE P2-102)

LOCATION.--Lat 33°30'44", long 88°30'50", Hydrologic Unit 03160101, NW¼SW¼ sec.15, T.18 S., R.17 E., 6.0 mi west of Columbus.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 143 ft.

DATUM.--Land-surface datum is about 204 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.70 ft above land-surface datum.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 143 ft.

DATUM.--Land-surface datum is 204 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.70 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1986 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.03 ft below land-surface datum, May 13, 1985; lowest measured, 56.64 ft below land-surface datum, Aug. 14, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 6	54.84	FEB 28	54.96	MAY 4	56.26	AUG 14	56.64

LOWNDES COUNTY--Continued

333035088300402. Local number, F083. (USCE P3-101)

LOCATION.--Lat 33°30'35", long 88°30'04", Hydrologic Unit 03160101, SE¼ sec.15, T.18 S., R.17 E., 5.5 mi west of center of Columbus.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 200 ft.

DATUM.--Land-surface datum is about 208 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.80 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1986 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 62.75 below land-surface datum, May 13, 1985; lowest measured, 65.26 ft below land-surface datum, Aug. 14, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 6	63.71	FEB 28	63.99	MAY 4	64.26	AUG 14	65.26

333044088305002. Local number, F084. (USCE P3-102)

LOCATION.--Lat 33°30'44", long 88°30'50", Hydrologic Unit 03160101, NW¼SW¼ sec.15, T.18 S., R.17 E., 6 mi west of Columbus.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 236 ft.

DATUM.--Land-surface datum is about 210 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.40 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1986 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 59.27 ft below land-surface datum, May 13, 1985; lowest measured, 62.58 ft below land-surface datum, Aug. 14, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 6	60.10	FEB 28	60.40	MAY 4	60.75	AUG 14	62.58

332648088245901. Local number, G197. (USCE GW40)

LOCATION.--Lat 33°26'48", long 88°24'59", Hydrologic Unit 03160106, NE¼NE¼ sec.4, T.19 S., R.18 W.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 25 ft.

DATUM.--Land-surface datum is 162.3 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.50 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.91 ft below land-surface datum, Feb. 11, 1985; lowest measured, 15.67 ft below land-surface datum, Aug. 29, 1985.

332647088254801. Local number, G198. (USCE GW41)

LOCATION.--Lat 33°26'47", long 88°25'48", Hydrologic Unit 03160106, NW¼NW¼ sec.4, T.19 S., R.18 W.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 28 ft.

DATUM.--Land-surface datum is 160.4 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.35 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.48 ft below land-surface datum, Feb. 11, 1985; lowest measured, 13.76 ft below land-surface datum, Aug. 29, 1985.

333140088273101. Local number, G199. (USCE GW42A)

LOCATION.--Lat 33°31'40", long 88°27'31", Hydrologic Unit 03160105, sec.6, T.18 S., R.19 W.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 37 ft.

DATUM.--Land-surface datum is about 160 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.65 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to December 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.90 ft below land-surface datum, May 14, 1985; lowest measured, 2.32 ft below land-surface datum, Aug. 26, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL
DEC 6	2.34

LOWNDES COUNTY--Continued

332235088221901. Local number, L051. (USCE GW35)
LOCATION.--Lat 33°22'35", long 88°22'19", Hydrologic Unit 03160106, sec.25, T.19 S., R.18 W.
Owner: U. S. Army Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 22 ft.
DATUM.--Land-surface datum is 152.3 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.65 ft above land-surface datum.
PERIOD OF RECORD.--February 1985 to August 1985 (discontinued).
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.55 ft below land-surface datum, Feb. 11, 1985; lowest measured, 5.09 ft below land-surface datum, Aug. 29, 1985.
332328088222401. Local number, L052. (USCE GW36)
LOCATION.--Lat 33°23'28", long 88°22'24", Hydrologic Unit 03160106, sec.24, T.19 S., R.18 W.
Owner: U. S. Army Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 32 ft.
DATUM.--Land-surface datum is 179.0 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.00 ft above land-surface datum.
PERIOD OF RECORD.--February 1985 to August 1985 (discontinued).
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.10 ft below land-surface datum, Feb. 11, 1985; lowest measured, 18.83 ft below land-surface datum, Aug. 29, 1985.
332448088262201. Local number, L053. (USCE GW38)
LOCATION.--Lat 33°24'48", long 88°26'22", Hydrologic Unit 03160101, SE¼ sec.20, T.18 N., R.18 W.,
Owner: U. S. Army Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 40 ft.
DATUM.--Land-surface datum is about 160 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.80 ft above land-surface datum.
PERIOD OF RECORD.--February 1985 to August 1985 (discontinued).
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.30 ft below land-surface datum, Feb. 12, 1985; lowest measured, 5.84 ft below land-surface datum, Aug. 24, 1985.
332520088263901. Local number, L054. (USCE GW39)
LOCATION.--Lat 33°25'20", long 88°26'39", Hydrologic Unit 03160101, SW¼ sec.17, T.18 N., R.18 W.
Owner: U. S. Army Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 32 ft.
DATUM.--Land-surface datum is about 160 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.35 ft above land-surface datum.
PERIOD OF RECORD.--February 1985 to August 1985 (discontinued).
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.70 ft below land-surface datum, Feb. 12, 1985; lowest measured, 15.50 ft below land-surface datum, Aug. 29, 1985.
331825088222001. Local number, P026. (USCE GW33)
LOCATION.--Lat 33°18'25", long 88°22'20", Hydrologic Unit 03160105, sec.25, T.17 N., R.18 E.
Owner: U. S. Army Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 20 ft.
DATUM.--Land-surface datum is about 160 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.75 ft above land-surface datum.
PERIOD OF RECORD.--February 1985 to August 1985 (discontinued).
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.75 ft below land-surface datum, Feb. 12, 1985; lowest measured, 7.86 ft below land-surface datum, Aug. 29, 1985.
331915088220001. Local number, P027. (USCE GW34)
LOCATION.--Lat 33°19'15", long 88°22'00", Hydrologic Unit 03160106, sec.24, T.17 N., R.18 E.
Owner: U. S. Army Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 17 ft.
DATUM.--Land-surface datum is about 160 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.90 ft above land-surface datum.
PERIOD OF RECORD.--February 1985 to August 1985 (discontinued).
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.98 ft below land-surface datum, May 13, 1985; lowest measured, 12.82 ft below land-surface datum, Aug. 29, 1985.
332210088252501. Local number, P028. (USCE GW37)
LOCATION.--Lat 33°22'10", long 88°25'25", Hydrologic Unit 03160106, sec.4, T.17 N., R.18 E.
Owner: U. S. Army Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 22 ft.
DATUM.--Land-surface datum is about 170 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.65 ft above land-surface datum.
PERIOD OF RECORD.--February 1985 to August 1985 (discontinued).
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.35 ft below land-surface datum, Feb. 12, 1985; lowest measured, 6.44 ft below land-surface datum, Aug. 29, 1985.

LOWNDES COUNTY--Continued

331915088202001. Local number, Q012. (USCE TTM1A)

LOCATION.--Lat 33°19'15", long 88°20'20", Hydrologic Unit 03160106, NE¼SW¼ sec.17, T.20 S., R.17 W., 12.3 mi south-east of Columbus.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 141 ft, cased to 131 ft.

DATUM.--Land-surface datum is about 150 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.0 ft above land-surface datum.

PERIOD OF RECORD.--June 1975 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.55 ft below land-surface datum, Mar. 7, 1983; lowest measured, 13.90 ft below land-surface datum, Oct. 3, 1978.

331915088202002. Local number, Q013. (USCE TTM1B)

LOCATION.--Lat 33°19'15", long 88°20'20", Hydrologic Unit 03160106, NE¼SW¼ sec.17, T.20 S., R.17 W., 12.3 mi southeast of Columbus.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 24 ft, cased to 14 ft.

DATUM.--Land-surface datum is about 150 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.2 ft above land-surface datum.

PERIOD OF RECORD.--June 1975 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.04 ft below land-surface datum, Mar. 7, 1983; lowest measured, 17.60 ft below land-surface datum, Oct. 3, 1978.

331854088184901. Local number, Q014. (USCE GW30)

LOCATION.--Lat 33°18'54", long 88°18'49", Hydrologic Unit 03160106, sec.28, T.20 S., R.17 W.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 24 ft.

DATUM.--Land-surface datum is 144.2 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.90 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.73 ft below land-surface datum, Feb. 11, 1985; lowest measured, 5.74 ft below land-surface datum, Aug. 29, 1985.

331929088190001. Local number, Q015. (USCE GW31)

LOCATION.--Lat 33°19'29", long 88°19'00", Hydrologic Unit 03160106, sec.16, T.20 S., R.17 W.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 25 ft.

DATUM.--Land-surface datum is 142.6 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.15 ft above land-surface datum, Feb. 11, 1985; lowest measured, 3.64 ft below land-surface datum, Aug. 29, 1985.

332016088185001. Local number, Q016. (USCE GW32)

LOCATION.--Lat 33°20'16", long 88°18'50", Hydrologic Unit 03160101, sec.9, T.20 S., R.17 W.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 35 ft.

DATUM.--Land-surface datum is 152.8 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.60 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.31 ft below land-surface datum, Feb. 11, 1985; lowest measured, 13.49 ft below land-surface datum, Aug. 29, 1985.

MONROE COUNTY

332900088313601. Local number, B068. (USCE APF58)

LOCATION.--Lat 33°29'00", long 88°31'36", Hydrologic Unit 03160101, NE¼NW¼ sec.34, T.12 S., R.19 W., 2 mi west of Amory on State Highway 278.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2.0 in, depth 60 ft.

DATUM.--Land-surface datum is about 210 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2.0 in pipe, 2.50 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.67 ft below land-surface datum, Aug. 12, 1986; lowest measured, 18.27 ft below land-surface datum, Aug. 27, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 6	18.14	FEB 27	17.86	MAY 3	17.76	AUG 12	17.67

MONROE COUNTY--Continued

340504088241101. Local number, C051. (USCE 84A)

LOCATION.--Lat 34°05'04", long 88°24'11", Hydrologic Unit 03160101, NW¼NW¼ sec.36, T.11 S., R.8 E., 6 mi northeast of Amory.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 170 ft, cased to 150 ft.

DATUM.--Land-surface datum is about 234 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.8 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.3 ft above land-surface datum, Mar. 10, 1976; lowest measured, 7.63 ft below land-surface datum, Feb. 1, 1979.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	2.01	FEB 27	3.95	MAY 3	4.34	AUG 12	4.00

340504088241102. Local number, C052. (USCE 84B)

LOCATION.--Lat 34°05'04", long 88°14'11", Hydrologic Unit 03160101, NW¼NW¼ sec.36, T.11 S., R.8 E., 6 mi northeast of Amory.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 110 ft, cased to 100 ft.

DATUM.--Land-surface datum is about 234 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top to casing, 3.2 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 11.46 ft above land-surface datum, Aug. 2, 1977; lowest measured, 12.64 ft below land-surface datum, Feb. 11, 1981.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	2.90	FEB 27	2.56	MAY 3	2.62	AUG 12	1.84

340504088241103. Local number, C053. (USCE 84C)

LOCATION.--Lat 34°05'04", long 88°24'11", Hydrologic Unit 03160101, NW¼NW¼ sec.36, T.11 S., R.8 E., 6 mi northeast of Amory.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 27 ft, cased to 7 ft.

DATUM.--Land-surface datum is about 234 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.3 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.77 ft above land-surface datum, Feb. 13, 1977; lowest measured, 9.17 ft below land-surface datum, Nov. 17, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	1.86	FEB 27	0.49	MAY 3	2.47

340454088250401. Local number, C054. (USCE 85A)

LOCATION.--Lat 34°04'54", long 88°25'04", Hydrologic Unit 03160101, SW¼NE¼ sec.36, T.11 S., R.8 E., 6.0 mi north-east of Amory.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 21 ft, cased to 11 ft.

DATUM.--Land-surface datum is about 235 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.5 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.17 ft below land-surface datum, Jan. 23, 1973; lowest measured, 8.72 ft below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	1.56	FEB 27	1.44	MAY 3	2.65	AUG 12	4.69

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

MONROE COUNTY--Continued

340409088243801. Local number, C057. (USCE 89A)

LOCATION.--Lat 34°04'09", long 88°24'38", Hydrologic Unit 03160101, SW¼NE¼ sec.1, T.12 S., R.8 E., 5.9 mi northeast of Amory.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 166 ft, cased to 146 ft.

DATUM.--Land-surface datum is about 245 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.65 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.48 ft above land-surface datum, Apr. 26, 1973; lowest measured, 33.35 ft below land-surface datum, Feb. 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	8.39	FEB 27	8.00	MAY 2	8.70	AUG 11	9.63

340409088243802. Local number, C058. (USCE 89B)

LOCATION.--Lat 34°04'09", long 88°24'38", Hydrologic Unit 03160101, SW¼NE¼ sec.1, T.12 S., R.8 E., 5.9 mi northeast of Amory.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--McShan sand member of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 45 ft, cased to 40 ft.

DATUM.--Land-surface datum is about 245 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.0 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.77 ft above land-surface datum, Aug. 28, 1985; lowest measured, 10.03 ft below land-surface datum, Aug. 27, 1980.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	0.82	FEB 27	0.63	MAY 2	0.65	AUG 11	0.65

340054088281801. Local number, C059. (USCE 95A)

LOCATION.--Lat 34°00'54", long 88°28'18", Hydrologic Unit 03160101, SW¼SW¼ sec.21, T.12 S., R.8 S., 0.5 mi north of Amory.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 166 ft, cased to 156 ft.

DATUM.--Land-surface datum is about 220 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.6 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.09 ft above land-surface datum, March 22, 1973; lowest measured, 16.45 ft below land-surface datum, Feb. 13, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	11.80	FEB 27	11.59	MAY 2	13.06	AUG 11	14.24

340018088270701. Local number, C060. (USCE 96A)

LOCATION.--Lat 34°00'18", long 88°27'07", Hydrologic Unit 03160101, NW¼SE¼ sec.20, T.12 S., R.18 W., 0.8 mi north-east of Amory.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 164 ft, cased to 154 ft.

DATUM.--Land-surface datum is about 253 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.8 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.92 ft below land-surface datum, Apr. 26, 1973; lowest measured, 35.57 ft below land-surface datum, Feb. 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	31.61	FEB 27	31.42	MAY 2	31.62	AUG 12	33.50

MONROE COUNTY--Continued

340149088292201. Local number, C061. (USCE 91A)

LOCATION.--Lat 34°01'49", long 88°29'22", Hydrologic Unit 03160101, SW¼SW¼ sec.17, T.12 S., R.8 E.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--McShan sand member of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4.0 in, depth 88 ft.

DATUM.--Land-surface datum is about 218 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4.0 in pipe, 2.10 ft above land-surface datum.

PERIOD OF RECORD.--August 1972 to May 1977, February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.81 ft below land-surface datum, Feb. 9, 1975; lowest measured, 7.99 ft below land-surface datum, Aug. 7, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	3.34	FEB 27	3.10	MAY 2	3.25	AUG 12	3.71

340115088292101. Local number, C062. (USCE 92A)

LOCATION.--Lat 34°01'15", long 88°29'21", Hydrologic Unit 03160101, NW¼SW¼ sec.20, T.12 S., R.8 E.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 200 ft.

DATUM.--Land-surface datum is about 216 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4.0 in pipe, 1.85 ft above land-surface datum.

PERIOD OF RECORD.--October 1972 to May 1977, May 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.94 ft above land-surface datum, Oct. 1, 1972; lowest measured, 3.76 ft below land-surface datum, Aug. 12, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	1.78	FEB 27	1.32	MAY 3	2.68	AUG 12	3.76

340056088283001. Local number, C066. (USCE 94A)

LOCATION.--Lat 34°00'56", long 88°28'30", Hydrologic Unit 03160101, SE¼SE¼ sec.20, T.12 S., R.8 E., 0.5 mi north of Amory.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Terraces, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 20 ft, cased to 10 ft.

DATUM.--Land-surface datum is about 217 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.0 ft above land-surface datum.

PERIOD OF RECORD.--August 1972 to November 1984 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.77 ft above land-surface datum, Feb. 17, 1982, 1974; lowest measured, 4.87 ft below land-surface datum, Oct. 24, 1978.

NOTE: No measurement made in 1986.

340054088281802. Local number, C067. (USCE 95B)

LOCATION.--Lat 34°00'54", long 88°28'18", Hydrologic Unit 03160101, SW¼SW¼ sec.21, T.12 S., R.8 E., 0.5 mi north of Amory.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in depth 20 ft, cased to 10 ft.

DATUM.--Land-surface datum is about 220 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.65 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.57 ft below land-surface datum, Apr. 10, 1983; lowest measured, 9.97 ft below land-surface datum, Aug. 27, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	1.13	FEB 27	1.10	MAY 2	1.28	AUG 11	1.32

MONROE COUNTY--Continued

340115088292102. Local number, C068. (USCE 928)

LOCATION.--Lat 34°01'15", long 88°29'21", Hydrologic Unit 03160101, NW¼SW¼ sec.20, T.12 S., R.8 E.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 4.0 in, depth 19 ft.

DATUM.--Land-surface datum is about 216 ft above National Geodetic Vertical of 1929. Measuring point: Top of 4.0 in pipe, 1.20 ft above land-surface datum.

PERIOD OF RECORD.--September 1972 to May 1977, May 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.09 ft above land-surface datum; Feb. 9, 1975; lowest measured, 10.81 ft below land-surface datum, Sept. 1, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	6.29	FEB 27	3.65	MAY 3	5.27	AUG 12	7.19

340149088292202. Local number, C069. (USCE 918)

LOCATION.--Lat 34°01'49", long 88°29'22", Hydrologic Unit 03160101, SW¼SW¼ sec.17, T.12 S., R.8 E.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 4.0 in, depth 20 ft.

DATUM.--Land-surface datum is about 218 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4.0 in pipe, 1.05 ft above land-surface datum.

PERIOD OF RECORD.--October 1972 to May 1977, February to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.57 ft below land-surface datum, Feb. 9, 1975; lowest measured, 11.30 ft below land-surface datum, Oct. 1, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	10.11	FEB 27	9.65	MAY 3	9.61	AUG 12	10.20

340018088270702. Local number, C070. (USCE 968)

LOCATION.--Lat 34°00'18", long 88°27'07", Hydrologic Unit 03160101, SW¼SE¼ sec.20, T.12 S., R.18 W., 0.5 mi north of Amory.

Owner: Irma Tubbs.

AQUIFER.--Terraces, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Dug unused water table well, diameter 24 in, depth 16 ft.

DATUM.--Land-surface datum is about 257 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.9 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.10 ft below land-surface datum, Apr. 14, 1980; lowest measured, 12.10 ft below land-surface datum, Nov. 25, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	4.97	FEB 27	4.00	MAY 2	7.47	AUG 11	9.37

335902088314501. Local number, C080. (USCE TTM6A)

LOCATION.--Lat 33°59'02", long 88°31'45", Hydrologic Unit 03160101, NE¼NE¼ sec.33, T.13 S., R.19 W., 2 mi west of Amory.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Tombigbee Sand Member of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 65 ft, cased to 55 ft.

DATUM.--Land-surface datum is about 210 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.0 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.62 ft below land-surface datum, Mar. 8, 1983; lowest measured, 13.19 ft below land-surface datum, Nov. 17, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	10.90	FEB 27	11.09	MAY 3	11.08	AUG 12	12.16

MONROE COUNTY--Continued

335902088314502. Local number, C081. (USCE TTM68)

LOCATION.--Lat 33°59'02", long 88°31'45", Hydrologic Unit 03160101, NE¼NE¼ sec.33, T.13 S., R.19 W., 2 mi west of Amory.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 38 ft, cased to 28 ft.

DATUM.--Land-surface datum is about 210 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.0 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.36 ft below land-surface datum, Mar. 8, 1983;

lowest measured, 12.82 ft below land-surface datum, Nov. 17, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	10.56	FEB 27	10.55	MAY 3	10.75	AUG 12	11.82

340054088292101. Local number, C085. (USCE A1A)

LOCATION.--Lat 34°00'54", long 88°29'21", Hydrologic Unit 03160101, SW¼SW¼ sec.20, T.12 S., R.8 E., 2.75 mi north-west of Amory.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.0 in, depth 5 ft.

DATUM.--Land-surface datum is about 215 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.0 in pipe, 3.16 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.26 ft above land-surface datum, Feb. 14, 1985;

lowest measured, 1.05 ft below land-surface datum, Aug. 12, 1986.

WATER LEVEL, IN FEET ABOVE AND BELOW (-) LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	0.05	FEB 27	-0.26	MAY 3	-0.72	AUG 12	-1.05

340052088291801. Local number, C086. (USCE A1)

LOCATION.--Lat 34°00'52", long 88°29'18", Hydrologic Unit 03160101, SW¼SW¼ sec.20, T.12 S., R.8 E., 2.75 mi north-west of Amory.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 24 ft.

DATUM.--Land-surface datum is about 215 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.41 ft above land-surface datum, Feb. 27, 1986;

lowest measured, 1.19 ft below land-surface datum, Aug. 12, 1986.

WATER LEVEL, IN FEET ABOVE AND BELOW (-) LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	0.39	FEB 27	1.41	MAY 3	0.17	AUG 12	-1.19

340052088292001. Local number, C087. (USCE A2)

LOCATION.--Lat 34°00'52", long 88°29'20", Hydrologic Unit 03160101, NW¼NW¼ sec.29, T.12 S., R.8 E., 2.75 mi north-west of Amory.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 29 ft.

DATUM.--Land-surface datum is about 215 ft above National Geodetic Vertical of 1929. Measuring point: Top of 1.5 in pipe, 3.16 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.26 ft above land-surface datum, Feb. 14, 1985;

lowest measured, 1.84 ft below land-surface datum Aug. 12, 1986.

WATER LEVEL, IN FEET ABOVE AND BELOW (-) LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	0.59	FEB 27	1.01	MAY 3	0.34	AUG 12	-1.84

MONROE COUNTY--Continued

340051088291801. Local number, C088. (USCE A2A)

LOCATION.--Lat 34°00'51", long 88°29'18", Hydrologic Unit 03160101, NW¼NW¼ sec.29, T.12 S., R.8 E., 2.75 mi north-west of Amory.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 5 ft.

DATUM.--Land-surface datum is about 215 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.26 ft above land-surface datum, Feb. 27, 1986; lowest measured, 1.25 ft below land-surface datum, Aug. 12, 1986.

WATER LEVEL, IN FEET ABOVE AND BELOW (-) LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	0.05	FEB 27	0.26	MAY 3	0.12	AUG 12	-1.25

340050088294901. Local number, C089. (USCE A3)

LOCATION.--Lat 34°00'50", long 88°29'49", Hydrologic Unit 03160101, NW¼NW¼ sec.29, T.12 S., R.8 E., 2.75 mi north-west of Amory.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 25 ft.

DATUM.--Land-surface datum is about 215 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.85 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.45 ft below land-surface datum, Feb. 14, 1985; lowest measured, 5.39 ft below land-surface datum, Aug. 12, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	3.08	FEB 27	1.25	MAY 3	3.01	AUG 12	5.39

335842088300301. Local number, C092. (USCE GW80)

LOCATION.--Lat 33°58'42", long 88°30'03", Hydrologic Unit 03160101, SW¼NE¼ sec.35, T.12 S., R.19 W., 1 mi west of Amory.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 33 ft.

DATUM.--Land-surface datum is 236.4 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.4 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 17.87 ft below land-surface datum, May 15, 1985; lowest measured, 19.82 ft below land-surface datum, Aug. 12, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	19.20	FEB 27	19.16	MAY 2	19.77	AUG 12	19.82

335830088284001. Local number, C093. (USCE GW81)

LOCATION.--Lat 33°58'30", long 88°28'40", Hydrologic Unit 03160101, NE¼SE¼ sec.36, T.12 S., R.19 W., 0.5 mi southeast intersection of State Highway 278 and 25.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 25 ft.

DATUM.--Land-surface datum is about 215 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.10 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 1.17 ft below land-surface datum, Feb. 14, 1985; lowest measured, 9.87 ft below land-surface datum, Aug. 12, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	5.14	FEB 27	2.56	MAY 3	6.19	AUG 12	9.87

MONROE COUNTY--Continued

340010088292501. Local number, C094. (USCE GW83)

LOCATION.--Lat 34°00'10", long 88°29'25", Hydrologic Unit 03160101, SE¼SE¼ sec.30, T.12 S., R.8 E., 1.5 mi north of Amory.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 33 ft.

DATUM.--Land-surface datum is 213.2 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.40 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.00 ft below land-surface datum, Feb. 14, 1985; lowest measured, 5.14 ft below land-surface datum, Aug. 11, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	2.10	FEB 27	1.75	MAY 3	3.57	AUG 11	5.14

340016088270001. Local number, C095. (USCE GW85)

LOCATION.--Lat 34°00'16", long 88°27'00", Hydrologic Unit 03160101, SW¼SE¼ sec.20, T.12 S., R.18 W., 2.5 mi northeast of Amory.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 26 ft.

DATUM.--Land-surface datum is 257.6 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.1 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.75 ft below land-surface datum, Mar. 4, 1985; lowest measured, 8.52 ft below land-surface datum, Aug. 11, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	4.19	FEB 27	3.15	MAY 2	6.56	AUG 11	8.52

340049088275201. Local number, C096. (USCE GW86)

LOCATION.--Lat 34°00'49", long 88°27'52", Hydrologic Unit 03160101, NW¼NE¼ sec.19, T.12 S., R.18 W., 2.5 mi north of Amory.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 24 ft.

DATUM.--Land-surface datum is 247.1 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.40 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.86 ft below land-surface datum, Feb. 14, 1985; lowest measured, 8.74 ft below land-surface datum, Aug. 11, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	6.48	FEB 27	2.84	MAY 2	2.08	AUG 11	8.74

340121088275001. Local number, C097. (USCE GW86A)

LOCATION.--Lat 34°01'21", long 88°27'50", Hydrologic Unit 03160101, NE¼SW¼ sec.21, T.12 S., R.8 E., 3 mi North of Amory.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 31 ft.

DATUM.--Land-surface datum is about 210 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 1.95 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.45 ft below land-surface datum, Feb. 14, 1985; lowest measured, 2.10 ft below land-surface datum, May 2, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	1.59	FEB 27	1.51	MAY 2	2.10	AUG 11	2.07

MONROE COUNTY--Continued

340130088261501. Local number, C098. (USCE GW87)

LOCATION.--Lat 34°01'30", long 88°26'15", Hydrologic Unit 03160101, SE¼NW¼ sec.16, T.12 S., R.18 W., 4 mi northeast of Amory.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 30 ft.

DATUM.--Land-surface datum is 258.0 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.25 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.55 ft below land-surface datum, Feb. 14, 1985; lowest measured, 8.32 ft below land-surface datum, Aug. 11, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	4.44	FEB 27	2.38	MAY 2	6.62	AUG 11	8.32

340201088270201. Local number, C099. (USCE GW88)

LOCATION.--Lat 34°02'01", long 88°27'02", Hydrologic Unit 03160101, SW¼SW¼ sec.15, T.12 S., R.8 E., 2.7 mi northeast of Amory High School.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 24 ft.

DATUM.--Land-surface datum is 244.2 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top 1.5 in pipe, 1.50 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.50 ft below land-surface datum, Feb. 14, 1985; lowest measured, 12.71 ft below land-surface datum, Aug. 11, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	12.59	FEB 27	12.40	MAY 2	12.46	AUG 11	12.71

340246088280001. Local number, C100. (USCE GW89)

LOCATION.--Lat 34°02'46", long 88°28'00", Hydrologic Unit 03160101, SE¼SW¼ sec.9, T.12 S., R.8 E., 4.75 mi north of Amory.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 30 ft.

DATUM.--Land-surface datum is 225.2 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.10 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.10 ft below land-surface datum, Feb. 14, 1985; lowest measured, 7.21 ft below land-surface datum, Aug. 12, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	4.00	FEB 27	2.10	MAY 3	4.19	AUG 12	7.21

340238088244401. Local number, C101. (USCE GW90)

LOCATION.--Lat 34°02'38", long 88°24'44", Hydrologic Unit 03160101, NE¼NW¼ sec.13, T.12 S., R.8 E., 2.25 mi south of Smithville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 26 ft.

DATUM.--Land-surface datum is about 270 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.65 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.62 ft below land-surface datum, Mar. 4, 1985; lowest measured, 10.99 ft below land-surface datum, Aug. 11, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	6.14	FEB 27	3.46	MAY 2	7.39	AUG 11	10.99

MONROE COUNTY--Continued

340307088252101. Local number, C102. (USCE GW91)

LOCATION.--Lat 34°03'07", long 88°25'21", Hydrologic Unit 03160101, SE¼NE¼ sec.11, T.12 S., R.8 E., 2 mi south of Smithville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 23 ft.

DATUM.--Land-surface datum is 261.3 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.10 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.65 ft below land-surface datum, Feb. 14, 1985; lowest measured, 13.14 ft below land-surface datum, Dec. 4, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	13.14	FEB 27	12.88	MAY 2	12.85	AUG 11	12.95

340351088250801. Local number, C104. (USCE GW92A)

LOCATION.--Lat 34°03'51", long 88°25'08", Hydrologic Unit 03160101, NW¼SW¼ sec.1, T.12 S., R.8 E., 1.75 mi west of Smithville.

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 water-table well, diameter 1.5 in, depth 215 ft.

DATUM.--Land-surface datum is 257.3 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.50 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREME FOR PERIOD OF RECORD.--Highest water level measured, 23.49 ft below land-surface datum, May 17, 1985; lowest measured, 24.88 ft below land-surface datum, Aug. 28, 1985.

NOTE: No measurement made in 1986.

340351088250802. Local number, C105. (USCE GW92B)

LOCATION.--Lat 34°03'51", long 88°25'08", Hydrologic Unit 03160101, NW¼SW¼ sec.1, T.12 S., R.8 E., 1.5 mi west of Smithville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 122 ft.

DATUM.--Land-surface datum is 257.3 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.60 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.82 ft below land-surface datum, May 17, 1985; lowest measured, 25.13 ft below land-surface datum, Aug. 11, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	24.10	FEB 27	23.78	MAY 2	24.08	AUG 11	25.13

340351088250803. Local number, C106. (USCE GW92C)

LOCATION.--Lat 34°03'51", long 88°25'08", Hydrologic Unit 03160101, NW¼SW¼ sec.1, T.12 S., R.8 E., 1.5 mi west of Smithville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 100 ft.

DATUM.--Land-surface datum is 257.4 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.50 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.67 ft below land-surface datum, May 17, 1985; lowest measured, 25.04 ft below land-surface datum, Aug. 11, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	24.04	FEB 27	23.65	MAY 2	23.52	AUG 11	25.04

MONROE COUNTY--Continued

340017088290801. Local number, C107. (USCE LA2L)

LOCATION.--Lat 34°00'17", long 88°29'08", Hydrologic Unit 03160101, SW¼ sec.24, T.12 S., R.19 W., 0.7 mi west of Amory High School.

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 water-table well, diameter 1.5 in, depth 147 ft.

DATUM.--Land-surface datum is about 220 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.04 ft below land-surface datum, May 16, 1985; lowest measured, 22.35 ft below land-surface datum, Aug. 11, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	19.57	FEB 27	19.37	MAY 2	21.22	AUG 11	22.35

340017088290802. Local number, C108. (USCE LA2U)

LOCATION.--Lat 34°00'17", long 88°29'08", Hydrologic Unit 03160101, SW¼ sec.24, T.12 S., R.19 W., 0.7 mi west of Amory High School.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 67 ft.

DATUM.--Land-surface datum is about 220 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.67 ft below land-surface datum, May 16, 1985; lowest measured, 21.55 ft below land-surface datum, Aug. 11, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	21.11	FEB 27	20.97	MAY 2	21.26	AUG 11	21.55

335829088283901. Local number, C109. (USCE LA4L)

LOCATION.--Lat 33°58'29", long 88°28'39", Hydrologic Unit 03160101, NE¼ sec.36, T.12 S., R.19 W., 1.5 mi north of Amory.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 190 ft.

DATUM.--Land-surface datum is about 235 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.85 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.88 ft below land-surface datum, May 16, 1985; lowest measured, 37.30 ft below land-surface datum, Aug. 12, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	34.24	FEB 27	34.18	MAY 2	35.51	AUG 12	37.30

335829088283902. Local number, C110. (USCE LA4U)

LOCATION.--Lat 33°58'29", long 88°28'39", Hydrologic Unit 03160101, NE¼ sec.36, T.12 S., R.19 W., 1.5 mi north of Amory.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 122 ft.

DATUM.--Land-surface datum is about 235 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.85 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.00 ft below land-surface datum, Feb. 14, 1985; lowest measured, 12.32 ft below land-surface datum, Aug. 12, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	8.89	FEB 27	6.52	MAY 2	9.73	AUG 12	12.32

MONROE COUNTY--Continued

340009088293701. Local number, C111. (USCE LA5L)

LOCATION.--Lat 34°00'09", long 88°29'37", Hydrologic Unit 03160101, SW¼SE¼ sec.30, T.12 S., R.8 E., 1.5 mi north of Amory.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 205 ft.

DATUM.--Land-surface datum is about 210 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.90 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.00 ft below land-surface datum, May 16, 1985; lowest measured, 7.74 ft below land-surface datum, Aug. 11, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	4.70	FEB 27	4.65	MAY 2	7.11	AUG 11	7.74

340009088293702. Local number, C112. (USCE LA5U)

LOCATION.--Lat 34°00'09", long 88°29'37", Hydrologic Unit 03160101, SW¼SE¼ sec.30, T.12 S., R.8 E., 1.5 mi north of Amory.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 57 ft.

DATUM.--Land-surface datum is about 210 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.80 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.45 ft below land-surface datum, Feb. 14, 1985; lowest measured, 10.93 ft below land-surface datum, Aug. 11, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	10.08	FEB 27	8.74	MAY 2	10.18	AUG 11	10.93

340334088264601. Local number, C113. (USCE AF63)

LOCATION.--Lat 34°03'34", long 88°26'64", Hydrologic Unit 03160101, SW¼SE¼ sec.3, T.12 S., R.8 E., 4.1 mi southwest of Smithville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2.0 in, depth 54 ft.

DATUM.--Land-surface datum is about 230 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2.0 in pipe, 2.30 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.04 ft below land-surface datum, May 17, 1985; lowest measured, 4.04 ft below land-surface datum, Aug. 11, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	3.54	FEB 27	3.27	MAY 2	3.50	AUG 11	4.04

340238088244401. Local number, C115. (USCE GW90)

LOCATION.--Lat 34°02'38", long 88°24'44", Hydrologic Unit 03160101, NE¼NW¼ sec.13, T.12 S., R.8 E., 2.75 mi south of Smithville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 26 ft.

DATUM.--Land-surface datum is about 270 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.65 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.62 ft below land-surface datum, Mar. 4, 1985; lowest measured, 10.99 ft below land-surface datum, Aug. 11, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	6.14	FEB 27	3.46	MAY 2	7.39	AUG 11	10.99

MONROE COUNTY--Continued

340346088233801. Local number, D032. (USCE GW92)

LOCATION.--Lat 34°03'46", long 88°23'38", Hydrologic Unit 03160101, NE¼SW¼ sec.6, T.12 S., R.9 E., in Smithville.
Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 20 ft.

DATUM.--Land-surface datum is 266.7 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.6 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.10 ft below land-surface datum, Mar. 4, 1985; lowest measured, 7.78 ft below land-surface datum, Aug. 11, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	3.48	FEB 26	1.44	MAY 2	5.46	AUG 11	7.78

340408088240601. Local number, D033. (USCE GW93A)

LOCATION.--Lat 34°04'08", long 88°24'06", Hydrologic Unit 03160101, SW¼NW¼ sec.6, T.12 S., R.9 E., in Smithville.

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 1.5 in, depth 178 ft.

DATUM.--Land-surface datum is 259.2 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.20 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.77 ft below land-surface datum, May 17, 1985; lowest measured, 17.80 ft below land-surface datum, Aug. 11, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	16.52	FEB 27	15.55	MAY 2	16.43	AUG 11	17.80

340408088240602. Local number, D034. (USCE GW93B)

LOCATION.--Lat 34°04'08", long 88°24'06", Hydrologic Unit 03160101, SW¼NW¼ sec.6, T.12 S., R.9 E., in Smithville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 102 ft.

DATUM.--Land-surface datum is 259.4 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.2 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.53 ft below land-surface datum, May 17, 1985; lowest measured, 17.57 ft below land-surface datum, Aug. 11, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	16.23	FEB 27	15.43	MAY 2	16.13	AUG 11	17.57

340408088240603. Local number, D035. (USCE GW93C)

LOCATION.--Lat 34°04'08", long 88°24'06", Hydrologic Unit 03160101, SW¼NW¼ sec.6, T.12 S., R.9 E., in Smithville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 20 ft.

DATUM.--Land-surface datum is 259.4 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.15 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.65 ft below land-surface datum, Feb. 14, 1985; lowest measured, 7.42 ft below land-surface datum, Aug. 11, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	5.52	FEB 27	3.85	MAY 2	6.40	AUG 11	7.42

MONROE COUNTY--Continued

340420088240001. Local number, D036. (USCE GW94A)

LOCATION.--Lat 34°04'20", long 88°24'00", Hydrologic Unit 03160101, NW¼ sec.6, T.12 S., R.9 E., in Smithville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 27 ft.

DATUM.--Land-surface datum is about 255 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.10 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.53 ft below land-surface datum, Dec. 4, 1985; lowest measured, 4.20 ft below land-surface datum, Aug. 11, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	2.53	FEB 26	2.66	MAY 2	3.49	AUG 11	4.20

335725088313501. Local number, G052. (USCE APF55)

LOCATION.--Lat 33°57'25", long 88°31'35", Hydrologic Unit 03160101, SW¼ sec.3, T.13 S., R.19 W., 2.75 mi southwest of Amory.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 69 ft.

DATUM.--Land-surface datum is 205.7 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.50 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.64 ft below land-surface datum, Feb. 14, 1985; lowest measured, 13.12 ft below land-surface datum, Aug. 12, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	12.07	FEB 27	11.60	MAY 3	12.65	AUG 12	13.12

335815088312601. Local number, G053. (USCE APF57)

LOCATION.--Lat 33°58'15", long 88°31'26", Hydrologic Unit 03160101, SE¼SW¼ sec.34, T.12 S., R.19 W., 2 mi southwest of Amory.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 50 ft.

DATUM.--Land-surface datum is 207.3 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 4.15 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.26 ft below land-surface datum, May 16, 1985; lowest measured, 18.23 ft below land-surface datum, Feb. 14, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	15.26	FEB 27	15.15	MAY 3	15.31	AUG 12	15.70

335353088312801. Local number, G054. (USCE GW73)

LOCATION.--Lat 33°53'53", long 88°31'28", Hydrologic Unit 03160101, SE¼SW¼ sec.27, T.13 S., R.7 E., 5.5 mi northeast of Aberdeen.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 32 ft.

DATUM.--Land-surface datum is about 198 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.10 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.61 ft below land-surface datum, Feb. 13, 1985; lowest measured, 6.19 ft below land-surface datum, Aug. 13, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	2.90	FEB 28	2.12	MAY 5	4.07	AUG 13	6.19

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

MONROE COUNTY--Continued

335337088293701. Local number, G055. (USCE GW74)

LOCATION.--Lat 33°53'37", long 88°29'37", Hydrologic Unit 03160101, SW¼NW¼ sec.36, T.13 S., R.19 W., 6 mi south of Amory.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 32 ft.

DATUM.--Land-surface datum is 214.3 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.25 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.25 ft below land-surface datum, Feb. 13, 1985; lowest measured, 10.65 ft below land-surface datum, Aug. 13, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	8.97	FEB 27	8.87	MAY 5	9.98	AUG 13	10.65

335710088310501. Local number, G056. (USCE GW76)

LOCATION.--Lat 33°57'10", long 88°31'05", Hydrologic Unit 03160101, NW¼NE¼ sec.10, T.13 S., R.19 W., 3 mi southwest of Amory.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 45 ft.

DATUM.--Land-surface datum is 203.4 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.30 ft below land-surface datum, Feb. 13, 1985; lowest measured, 5.55 ft below land-surface datum, Aug. 13, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	2.52	FEB 27	2.21	MAY 5	4.38	AUG 13	5.55

335654088325401. Local number, G057. (USCE GW76A)

LOCATION.--Lat 33°56'54", long 88°32'54", Hydrologic Unit 03160101, NW¼SE¼ sec.15, T.13 S., R.7 E., 4.5 mi southwest of Amory.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 25 ft.

DATUM.--Land-surface datum is 202.4 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.90 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.00 ft below land-surface datum, Feb. 13, 1985; lowest measured, 4.25 ft below land-surface datum, Aug. 12, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	1.76	FEB 28	1.68	MAY 3	2.35	AUG 12	4.25

335715088295601. Local number, G058 (USCE GW77)

LOCATION.--Lat 33°57'15", long 88°29'56", Hydrologic Unit 03160101, NE¼NE¼ sec.11, T.13 S., R.19 W., 2 mi southwest of Amory.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 46 ft.

DATUM.--Land-surface datum is 234.2 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.20 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.50 ft below land-surface datum, Feb. 13, 1985; lowest measured, 12.99 ft below land-surface datum, Aug. 13, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	11.35	FEB 27	11.39	MAY 5	12.48	AUG 13	12.99

MONROE COUNTY--Continued

335909088330501. Local number, G059. (USCE GW78)

LOCATION.--Lat 33°59'09", long 88°33'05", Hydrologic Unit 03160101, NE¼NW¼ sec.3, T.13 S., R.7 E., 4 mi west of Amory.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 36 ft.

DATUM.--Land-surface datum is 205.3 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 4.2 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.04 ft below land-surface datum, Feb. 14, 1985;

lowest measured, 12.31 ft below land-surface datum, Aug. 12, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	11.64	FEB 27	11.02	MAY 3	11.93	AUG 12	12.31

335456088300201. Local number, G060. (USCE GW75)

LOCATION.--Lat 33°54'56", long 88°30'02", Hydrologic Unit 03160101, NW¼SE¼ sec.23, T.13 S., R.19 W., 6 mi southwest of Amory.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 2.0 in, depth 30 ft.

DATUM.--Land-surface datum is about 200 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2.0 in pipe, 1.70 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.90 ft below land-surface datum, Feb. 13, 1985;

lowest measured, 6.65 ft below land-surface datum, Aug. 13, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	2.88	FEB 27	2.06	MAY 5	4.89	AUG 13	6.65

335445088312501. Local number, H017. (USCE TTM5A)

LOCATION.--Lat 33°54'45", long 88°31'25", Hydrologic Unit 03160101, SE¼SW¼ sec.22, T.13 S., R.19 W., 6.4 mi north of Aberdeen.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 90 ft, cased to 80 ft.

DATUM.--Land-surface datum is about 200 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.0 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.18 ft below land-surface datum, Mar. 8, 1983;

lowest measurement, 15.15 ft below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	7.28	FEB 27	6.87	MAY 5	8.21	AUG 13	9.45

335445088312502. Local number, H018. (USCE TTM5B)

LOCATION.--Lat 33°54'45", long 88°31'25", Hydrologic Unit 03160101, SE¼SW¼ sec.22, T.13 S., R.19 W., 6.4 mi north of Aberdeen.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 26 ft, cased to 16 ft.

DATUM.--Land-surface datum is about 200 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.0 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.71 ft below land-surface datum, Mar. 8, 1983;

lowest measured, 13.86 ft below land-surface datum, Nov. 17, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	8.27	FEB 27	7.77	MAY 5	8.99	AUG 13	9.97

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

MONROE COUNTY--Continued

335122088293001. Local number, L062. (USCE 105A)

LOCATION.--Lat 33°51'22", long 88°29'30", Hydrologic Unit 03160101, SW¼SW¼ sec.19, T.14 S., R.19 W., 3.7 mi north-east of Aberdeen.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 64 ft, cased to 54 ft.

DATUM.--Land-surface datum is about 210 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 0.8 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.20 ft below land-surface datum, Mar. 22, 1973; lowest measured, 14.65 ft Nov. 15, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	10.26	FEB 27	9.14	MAY 5	10.94	AUG 12	12.15

335117088332801. Local number, L063. (USCE 101A)

LOCATION.--Lat 33°51'17", long 88°33'28", Hydrologic Unit 03610101, SW¼SW¼ sec.15, T.14 S., R.7 E., 2 mi north of Aberdeen.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 90 ft, cased to 80 ft.

DATUM.--Land-surface datum is about 202 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.6 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.92 ft below land-surface datum, Mar. 22, 1973; lowest measured, 25.28 ft below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	19.55	FEB 28	19.06	MAY 3	20.12	AUG 12	22.02

335118088323201. Local number, L064. (USCE 102A)

LOCATION.--Lat 34°51'18", long 88°32'32", Hydrologic Unit 03160101, NW¼NW¼ sec.23, T.14 S., R.7 E., 2 mi north of Aberdeen.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 50 ft, cased to 40 ft.

DATUM.--Land-surface datum is about 191 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.0 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.39 ft above land-surface datum, Mar. 12, 1980; lowest measured, 11.46 ft below land-surface datum, Oct. 19, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	1.37	FEB 28	1.55	MAY 3	2.57	AUG 12	4.25

335122088305201. Local number, L065. (USCE 104A)

LOCATION.--Lat 33°51'22", long 88°30'52", Hydrologic Unit 03160101, SE¼SE¼ sec.10, T.14 S., R.19 W., 2.3 mi north-east of Aberdeen.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 55 ft, cased to 50 ft.

DATUM.--Land-surface datum is about 194 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.5 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.47 ft below land-surface datum, Jan. 29, 1985; lowest measured, 9.77 ft below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	1.98	FEB 28	1.50	MAY 5	3.28	AUG 13	5.10

MONROE COUNTY--Continued

335122088305202. Local number, L067. (USCE 1048)

LOCATION.--Lat 33°51'22", long 88°30'52", Hydrologic Unit 03160101, SE¼SE¼ sec.10, T.14 S., R.19 E., 2.3 mi north-east of Aberdeen.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 24 ft, cased to 19 ft.

DATUM.--Land-surface datum is about 194 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.54 ft below land-surface datum, Nov. 27, 1984; lowest measured, 9.27 ft below land-surface datum, Nov. 17, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	2.75	FEB 28	2.77	MAY 5	3.97	AUG 13	5.19

335118088323202. Local number, L068. (USCE 1028)

LOCATION.--Lat 33°51'18", long 88°32'32", Hydrologic Unit 03160101, NW¼NW¼ sec.23, T.14 S., R.7 E., 2.0 mi north of Aberdeen.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 30 ft, cased to 25 ft.

DATUM.--Land-surface datum is about 191 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.0 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.98 ft above land-surface datum, May 26, 1980; lowest measured, 8.80 ft below land-surface datum, Dec. 11, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	2.07	FEB 28	1.94	MAY 3	2.42	AUG 12	3.86

335117088332802. Local number, L069. (USCE 1018)

LOCATION.--Lat 33°51'17", long 88°33'28", Hydrologic Unit 03160101, SW¼SW¼ sec.15, T.14 S., R.7 E., 2 mi north of Aberdeen.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Terraces, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 20 ft, cased to 15 ft.

DATUM.--Land-surface datum is about 202 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.6 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.05 ft below land-surface datum, May 30, 1973; lowest measured, 13.00 ft below land-surface datum, Nov. 15, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	4.60	FEB 28	3.37	MAY 3	5.96	AUG 12	8.60

334910088311501. Local number, L073. (USCE TTM4A)

LOCATION.--Lat 33°49'10", long 88°31'15", Hydrologic Unit 03160101, SE¼NW¼ sec.36, T.14 S., R.7 E., 1.3 mi east of Aberdeen.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 177 ft, cased to 167 ft.

DATUM.--Land-surface datum is about 200 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.2 ft above land-surface datum.

PERIOD OF RECORD.--June 1975 to August 1986 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.73 ft below land-surface datum, Mar. 11, 1980; lowest measured, 33.46 ft below land-surface datum, Oct. 23, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	30.72	FEB 28	30.53	MAY 3	31.07	AUG 12	31.33

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

MONROE COUNTY--Continued

334910088311502. Local number, L074. (USCE TTM4B)

LOCATION.--Lat 33°49'10", long 88°31'15", Hydrologic Unit 03160101, SE¼NW¼ sec.36, T.14 S., R.7 E., 1.3 mi east of Aberdeen.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 26 ft, cased to 16 ft.

DATUM.--Land-surface datum is about 200 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.3 ft above land-surface datum.

PERIOD OF RECORD.--June 1975 to August 1986 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.50 ft below land-surface datum, Mar. 8, 1983; lowest measured, 14.87 ft below land-surface datum, Oct. 23, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	11.38	FEB 28	10.26	MAY 3	11.97	AUG 12	14.13

334958088323601. Local number, L075. (USCE AB11)

LOCATION.--Lat 33°49'58", long 88°32'36", Hydrologic Unit 03160101, SE¼SE¼ sec.26, T.14 S., R.7 E., in Aberdeen.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--McShan sand member of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 224 ft, cased to 204 ft.

DATUM.--Land-surface datum is about 200 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.2 ft above land-surface datum.

PERIOD OF RECORD.--February 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.52 ft below land-surface datum, May 11, 1977; lowest measured, 27.43 ft below land-surface datum, Aug. 25, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	24.65	FEB 28	24.61	MAY 3	24.98	AUG 12	24.75

334958088323602. Local number, L077. (USCE AB10)

LOCATION.--Lat 33°49'58", long 88°32'36", Hydrologic Unit 03160101, SW¼SW¼ sec.26, T.14 S., R.7 E., in Aberdeen.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 145 ft, cased to 135 ft.

DATUM.--Land-surface datum is about 200 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.5 ft above land-surface datum.

PERIOD OF RECORD.--February 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.25 ft below land-surface datum, Mar. 8, 1983; lowest measured, 67.86 ft below land-surface datum, Aug. 8, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	39.25	FEB 28	39.51	MAY 3	42.48	AUG 12	43.75

334958088323603. Local number, L078. (USCE AB12)

LOCATION.--Lat 33°49'58", long 88°32'36", Hydrologic Unit 03160101, SW¼SW¼ sec.26, T.14 S., R.7 E., in Aberdeen.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 90 ft, cased to 80 ft.

DATUM.--Land-surface datum is about 200 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.0 ft above land-surface datum.

PERIOD OF RECORD.--February 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.40 ft below land-surface datum, Apr. 10, 1983; lowest measured, 52.09 ft below land-surface datum, Jan. 10, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	40.80	FEB 28	39.90	MAY 3	42.04	AUG 12	43.32

MONROE COUNTY--Continued

334955088322201. Local number, L084. (USCE AB1)

LOCATION.--Lat 33°49'55", long 88°32'22", Hydrologic Unit 03160101, NW¼SW¼ sec.26, T.14 S., R.7 E., 0.6 mi northeast of Shivers High School in Aberdeen.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 80 ft.

DATUM.--Land-surface datum is about 195 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 4.50 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.23 ft below land-surface datum, Feb. 13, 1985; lowest measured, 32.37 ft below land-surface datum, Aug. 12, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	31.44	FEB 28	31.00	MAY 3	30.93	AUG 12	32.37

334955088322202. Local number, L085. (USCE AB2)

LOCATION.--Lat 33°49'55", long 88°32'22", Hydrologic Unit 03160101, NW¼SW¼ sec.26, T.14 S., R.7 E., 0.6 northeast of Shivers High School in Aberdeen.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 146 ft.

DATUM.--Land-surface datum is about 195 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 4.50 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.98 ft below land-surface datum, May 15, 1985; lowest measured, 28.72 ft below land-surface datum, Aug. 12, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	26.86	FEB 28	26.02	MAY 3	27.39	AUG 12	28.72

334955088322203. Local number, L086. (USCE AB2A)

LOCATION.--Lat 33°49'55", long 88°32'22", Hydrologic Unit 03160101, NW¼SW¼ sec.26, T.14 S., R.7 E., 0.6 mi northeast of Shivers High School in Aberdeen.

Owner: U. S. Army Corps of Engineers.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 119 ft.

DATUM.--Land-surface datum is about 195 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 4.00 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.00 ft below land-surface datum, Feb. 13, 1985; lowest measured, 29.48 ft below land-surface datum, Aug. 12, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	27.51	FEB 28	27.02	MAY 3	28.12	AUG 12	29.48

335149088305401. Local number, L087. (USCE AB5)

LOCATION.--Lat 33°51'49", long 88°30'54", Hydrologic Unit 03160101, NE¼SE¼ sec.10, T.14 S., R.19 W., 3 mi northeast of Aberdeen.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 150 ft.

DATUM.--Land-surface datum is about 192 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.75 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.85 ft below land-surface datum, May 15, 1985; lowest measured, 3.50 ft below land-surface datum, Aug. 13, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	1.99	FEB 28	1.59	MAY 5	2.29	AUG 13	3.50

MONROE COUNTY--Continued

334951088321001. Local number, L088. (USCE A86)

LOCATION.--Lat 33°49'51", long 88°32'10", Hydrologic Unit 03160101, NW¼SW¼ sec.26, T.14 S., R.7 E., 0.75 mi north of Amory.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 70 ft.

DATUM.--Land-surface datum is about 190 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.55 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.55 ft below land-surface datum, Feb. 13, 1985; lowest measured, 23.70 ft below land-surface datum, Aug. 12, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	23.39	FEB 28	22.91	MAY 3	23.46	AUG 12	23.70

334951088321002. Local number, L089. (USCE A87)

LOCATION.--Lat 33°49'51", long 88°32'10", Hydrologic Unit 03160101, NW¼SW¼ sec.26, T.14 S., R.7 E., 0.75 mi north of Amory.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 133 ft.

DATUM.--Land-surface datum is 187.4 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.20 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.28 ft below land-surface datum, Feb. 13, 1985; lowest measured, 24.45 ft below land-surface datum, Aug. 12, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	22.12	FEB 28	21.26	MAY 3	22.82	AUG 12	24.45

335127088322101. Local number, L090. (USCE GW70)

LOCATION.--Lat 33°51'27", long 88°32'21", Hydrologic Unit 03160101, SW¼SW¼ sec.14, T.14 S., R.7 E., 2 mi northeast of Shivers High School in Aberdeen.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 26 ft.

DATUM.--Land-surface datum is 193.3 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.40 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.20 ft below land-surface datum, Feb. 13, 1985; lowest measured, 4.81 ft below land-surface datum, Aug. 12, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	1.31	FEB 28	0.81	MAY 3	2.90	AUG 12	4.81

335008088303001. Local number, L091. (USCE GW70A)

LOCATION.--Lat 33°50'08", long 88°30'30", Hydrologic Unit 03160101, NW¼NW¼ sec.23, T.14 S., R.19 W., 1.5 mi northeast of Aberdeen.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 27 ft.

DATUM.--Land-surface datum is about 193 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.35 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.35 ft below land-surface datum, Feb. 13, 1985; lowest measured, 5.00 ft below land-surface datum, Aug. 12, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	2.11	FEB 27	1.35	MAY 5	3.35	AUG 12	5.00

MONROE COUNTY--Continued

3335158088291901. Local number, L092. (USCE GW71)

LOCATION.--Lat 33°51'58", long 88°29'19", Hydrologic Unit 03160101, NE¼NW¼ sec.12, T.12 S., R.19 W., 4.75 mi northeast of Aberdeen.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 32 ft.

DATUM.--Land-surface datum is 225.4 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 0.50 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.36 ft below land-surface datum, May 15, 1985; lowest measured, 13.47 ft below land-surface datum, Aug. 12, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	12.59	FEB 27	12.42	MAY 5	14.10	AUG 12	13.47

335207088285501. Local number, L093. (USCE GW72)

LOCATION.--Lat 33°52'07", long 88°28'55", Hydrologic Unit 03160101, SE¼SE¼ sec.1, T.14 S., R.19 W., 3.3 mi north of intersection of State Highway 25 and 8.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 30 ft.

DATUM.--Land-surface datum is 220.8 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.40 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.80 ft below land-surface datum, Feb. 13, 1985; lowest measured, 6.10 ft below land-surface datum, Aug. 12, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	2.57	FEB 27	1.60	MAY 5	4.69	AUG 12	6.10

334617088302201. Local number, P077. (USCE GW58)

LOCATION.--Lat 33°46'17", long 88°30'22", Hydrologic Unit 03160101, NW¼SW¼ sec.18 T.15 S., R.8 E., 4.3 mi southeast of Aberdeen.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 9 ft.

DATUM.--Land-surface datum is 203.3 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.40 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1986 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.44 ft below land-surface datum, Feb. 13, 1985; lowest measured, 5.10 ft below land-surface datum, Aug. 13, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	2.26	FEB 28	2.35	MAY 3	4.25	AUG 13	5.10

334026088291001. Local number, Q083. (USCE GW50)

LOCATION.--Lat 33°40'26", long 88°29'10", Hydrologic Unit 03160101, SW¼NW¼ sec.13, T.16 S., R.19 W., 13 mi north-west of Columbus.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 9 ft.

DATUM.--Land-surface datum is 193.2 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.20 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1986 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.28 ft below land-surface datum, Feb. 12, 1985; lowest measured, 7.70 ft below land-surface datum, Aug. 13, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	6.19	FEB 28	5.56	MAY 4	5.98	AUG 13	7.70

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

MONROE COUNTY--Continued

334029088281101. Local number, Q084. (USCE GW51)

LOCATION.--Lat 33°40'29", long 88°28'11", Hydrologic Unit 03160101, SW¼NW¼ sec.18, T.16 S., R.18 W., 4.6 mi south-west of Hamilton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 21 ft.

DATUM.--Land-surface datum is 204.9 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.20 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1986 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.20 ft below land-surface datum Feb. 12, 1985; lowest measured, 15.18 ft below land-surface datum, Aug. 13, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	13.13	FEB 28	13.03	MAY 4	13.32	AUG 13	15.18

334030088273101. Local number, Q085. (USCE GW52)

LOCATION.--Lat 33°40'30", long 88°27'31", Hydrologic Unit 03160101, SE¼NE¼ sec.18, T.16 S., R.18 W., 4.3 mi south-west of Hamilton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 19 ft.

DATUM.--Land-surface datum is 199.8 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.20 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1986 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.04 ft below land-surface datum, Feb. 12, 1985; lowest measured, 12.40 ft below land-surface datum, Aug. 13, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	9.85	FEB 28	10.45	MAY 4	10.89	AUG 13	12.40

334152088283701. Local number, Q086. (USCE GW53)

LOCATION.--Lat 33°41'52", long 88°28'37", Hydrologic Unit 03160101, NW¼SE¼ sec.1, T.16 S., R.19 W., 3.2 mi south-west of Hamilton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 29 ft.

DATUM.--Land-surface datum is 180.8 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.55 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1986 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.10 ft below land-surface datum, Feb. 12, 1985; lowest measured, 12.92 ft below land-surface datum, Aug. 13, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	12.31	FEB 28	11.96	MAY 4	12.03	AUG 13	12.92

334225088271601. Local number, Q087. (USCE GW54)

LOCATION.--Lat 33°42'25", long 88°27'16", Hydrologic Unit 03160101, NE¼NE¼ sec.6, T.16 S., R.18 W., 2.1 mi south of Hamilton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 18 ft.

DATUM.--Land-surface datum is 199.1 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.70 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1986 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.94 ft below land-surface datum, Feb. 12, 1985; lowest measured, 5.57 ft below land-surface datum, Aug. 13, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	2.41	FEB 28	2.06	MAY 4	3.37	AUG 13	5.57

MONROE COUNTY--Continued

334320088292501. Local number, Q088. (USCE GW55)

LOCATION.--Lat 33°43'20", long 88°29'25", Hydrologic Unit 03160101, NE¼NE¼ sec.35, T.15 S., R.19 W., 2.8 mi west of Hamilton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 33 ft.

DATUM.--Land-surface datum is 179.2 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1986 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.23 ft above land-surface datum, Feb. 12, 1985; lowest measured, 5.65 ft below land-surface datum, Aug. 13, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	2.84	FEB 28	2.54	MAY 4	3.41	AUG 13	5.65

334321088284401. Local number, Q089. (USCE GW56)

LOCATION.--Lat 30°43'21", long 88°28'44", Hydrologic Unit 03160101, NW¼NE¼ sec.36, T.15 S., R.19 W., 2.5 mi south-west of Hamilton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 30 ft.

DATUM.--Land-surface datum is 185.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 1.70 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1986 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.30 ft below land-surface datum, Feb. 12, 1985; lowest measured, 7.05 ft below land-surface datum, Aug. 13, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	4.99	FEB 28	5.40	MAY 4	6.36	AUG 13	7.05

334330088280201. Local number, Q090. (USCE GW57)

LOCATION.--Lat 33°43'30", long 88°28'02", Hydrologic Unit 03160101, SW¼SW¼ sec.30, T.15 S., R.18 W., 1.5 mi south-west of Hamilton.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 20 ft.

DATUM.--Land-surface datum is 205.4 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1986 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.38 ft below land-surface datum, Feb. 12, 1985; lowest measured, 6.34 ft below land-surface datum, Aug. 13, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	3.86	FEB 28	3.47	MAY 4	5.20	AUG 13	6.34

334709088292301. Local number, Q091. (USCE GW59)

LOCATION.--Lat 33°47'09", long 88°29'23", Hydrologic Unit 03160101, NW¼SW¼ sec.1, T.15 S., R.19 W., 4.3 mi south-west of Aberdeen.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 42 ft.

DATUM.--Land-surface datum is 189.9 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.90 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1986 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.50 ft below land-surface datum, May 14, 1985; lowest measured, 22.75 ft below land-surface datum, Aug. 13, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	22.61	FEB 28	22.26	MAY 4	22.13	AUG 13	22.75

MONROE COUNTY--Continued

334720088282801. Local number, Q092. (USCE GW60)

LOCATION.--Lat 33°47'20", long 88°28'28", Hydrologic Unit 03160101, SE¼NE¼ sec.1, T.15 S., R.19 W., 4.8 mi southeast of Aberdeen.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 21 ft.

DATUM.--Land-surface datum is 184.1 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.10 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1986 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.33 ft below land-surface datum, Feb. 12, 1985; lowest measured, 10.53 ft below land-surface datum, Aug. 13, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	9.04	FEB 28	7.50	MAY 4	8.64	AUG 13	10.53

334535088284801. Local number, Q095. (USCE GW60A)

LOCATION.--Lat 33°45'35", long 88°28'48", Hydrologic Unit 03160101, SW¼NW¼ sec.13, T.15 S., R.19 W., 3.4 mi southwest of Lackey.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 1.5 in, depth 24 ft.

DATUM.--Land-surface datum is about 184 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 0.80 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1986 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.80 ft below land-surface datum, Feb. 12, 1985; lowest measured, 7.72 ft below land-surface datum, Aug. 13, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	6.46	FEB 28	4.69	MAY 4	6.19	AUG 13	7.72

PRENTISS COUNTY

344137088211001. Local number, D027. (USCE MW1-1)

LOCATION.--Lat 34°41'37", long 88°21'10", Hydrologic Unit 03160101, NW¼NE¼ sec.33, T.4 S., R.9 E., 2.4 mi south of Cairo.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 242 ft.

DATUM.--Land-surface datum is about 510 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.10 ft above land-surface datum.

PERIOD OF RECORD.--September 1977, February 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 84.0 ft below land-surface datum, Sept. 6, 1977; lowest measured, 91.10 ft below land-surface datum, Nov. 30, 1982.

344137088211002. Local number, D028. (USCE MW1-2)

LOCATION.--Lat 34°41'37", long 88°21'10", Hydrologic Unit 03160101, NW¼NE¼ sec.33, T.4 S., R.9 E., 2.4 mi south of Cairo.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 158 ft.

DATUM.--Land-surface datum is about 510 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.45 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 73.43 ft below land-surface datum, May 29, 1985; lowest measured, 90.73 ft below land-surface datum, Nov. 19, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	90.73	FEB 21	73.78	APR 29	71.42	AUG 5	74.13

344137088211003. Local number, D029. (USCE MW1-3)

LOCATION.--Lat 34°41'37", long 88°21'10", Hydrologic Unit 03160101, NW¼NE¼ sec.33, T.4 S., R.9 E., 2.4 mi south of Cairo.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 63 ft.

DATUM.--Land-surface datum is about 510 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--September 1977, February 1985 to August 1986 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.47 ft below land-surface datum, Aug. 23, 1985; lowest measured, 49.40 ft below land-surface datum, May 29, 1985.

PRENTISS COUNTY--Continued

344137088210904. Local number, D030. (USCE MW1-4)

LOCATION.--Lat 34°41'37", long 88°21'09", Hydrologic Unit 03160101, NE¼ sec.33, T.4 S., R.9 E., 2.4 mi south of Cairo.

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 1.5 in, depth 285 ft.

DATUM.--Land-surface datum is about 510 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.40 ft above land-surface datum.

PERIOD OF RECORD.--October 1978, February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 82.0 ft below land-surface datum, Oct. 18, 1978; lowest measured, 95.33 ft below land-surface datum, Aug. 5, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	93.93	FEB 21	94.10	APR 29	94.78	AUG 5	95.33

344125088230801. Local number, D031. (USCE MW2-1)

LOCATION.--Lat 34°41'25", long 88°23'08", Hydrologic Unit 03160101, NE¼SE¼ sec.31, T.4 S., R.9 E., 3.2 mi southwest of Cairo.

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 1.5 in, depth 270 ft.

DATUM.--Land-surface datum is about 440 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.65 ft above land-surface datum.

PERIOD OF RECORD.--July 1980, March 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35.0 ft below land-surface datum, July 15, 1980; lowest measured, 39.98 ft below land-surface datum, Aug. 23, 1985.

344125088230802. Local number, D032. (USCE MW2-2)

LOCATION.--Lat 34°41'25", long 88°23'08", Hydrologic Unit 03160101, NE¼SE¼ sec.31, T.4 S., R.9 E., 3.2 mi southwest of Cairo.

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 1.5 in, depth 220 ft.

DATUM.--Land-surface datum is about 440 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.70 ft above land-surface datum.

PERIOD OF RECORD.--July 1980, March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.0 ft below land-surface datum, July 15, 1980; lowest measured, 39.07 ft below land-surface datum, Aug. 5, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	38.15	FEB 21	38.09	APR 29	38.32	AUG 5	39.07

344125088230803. Local number, D033. (USCE MW2-3)

LOCATION.--Lat 34°41'25", long 88°23'08", Hydrologic Unit 03160101, NE¼SE¼ sec.31, T.4 S., R.9 E., 3.2 mi southwest of Cairo.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 181 ft.

DATUM.--Land-surface datum is about 440 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--July 1980, March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.0 ft below land-surface datum, July 15, 1980; lowest measured, 39.69 ft below land-surface datum, Aug. 5, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	38.73	FEB 21	38.65	APR 29	38.90	AUG 5	39.69

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

PRENTISS COUNTY--Continued

344125088230804. Local number, D034. (USCE MW2-4)

LOCATION.--Lat 34°41'25", long 88°23'08", Hydrologic Unit 03160101, NE¼SE¼ sec.31, T.4 S., R.9 E., 3.2 mi southwest of Cairo.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 128 ft.

DATUM.--Land-surface datum is about 440 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.10 ft above land-surface datum.

PERIOD OF RECORD.--July 1980 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35.0 ft below land-surface datum, July 15, 1980; lowest measured, 38.09 ft below land-surface datum, Mar. 6, 1985.

344125088230805. Local number, D035. (USCE MW2-5)

LOCATION.--Lat 34°41'25", long 88°23'08", Hydrologic Unit 03160101, NE¼SE¼ sec.31, T.4 S., R.9 E., 3.2 mi southwest of Cairo.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Tombigbee sand member of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 60 ft.

DATUM.--Land-surface is about 440 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.85 ft above land-surface datum.

PERIOD OF RECORD.--July 1980, March 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.72 ft below land-surface datum, Mar. 6, 1985; lowest measured, 33.0 ft below land-surface datum, July 15, 1980.

344456088224901. Local number, D036. (USCE W1-1)

LOCATION.--Lat 34°44'56", long 88°22'49", Hydrologic Unit 06030005, SW¼NW¼ sec.8, T.4 S., R.9 E., 2.3 mi northwest of Cairo.

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 1.5 in, depth 371 ft.

DATUM.--Land-surface datum is about 580 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.10 ft above land-surface datum.

PERIOD OF RECORD.--July 1980, February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 172.0 ft below land-surface datum, July 17, 1980; lowest measured, 186.45 ft below land-surface datum, Nov. 18, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	186.45	FEB 18	184.98	APR 28	185.04	AUG 4	185.73

344456088224902. Local number, D037. (USCE W1-2)

LOCATION.--Lat 34°44'56", long 88°22'49", Hydrologic Unit 06030005, SW¼NW¼ sec.8, T.4 S., R.9 E., 2 mi northwest of Cairo.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 280 ft.

DATUM.--Land-surface datum is about 580 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.85 ft above land-surface datum.

PERIOD OF RECORD.--July 1980, February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 171.0 ft below land-surface datum, July 17, 1980; lowest measured, 186.08 ft below land-surface datum, Nov. 18, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	186.08	FEB 18	185.13	APR 28	184.34	AUG 4	185.00

PRENTISS COUNTY--Continued

344342088203701. Local number D039. (USCE W3-1)

LOCATION.--Lat 34°43'42", long 88°20'37", Hydrologic Unit 06030005, SE¼SW¼ sec.15, T.4 S., R.9 E., at Cairo.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 215 ft.

DATUM.--Land-surface datum is about 495 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 76.77 ft below land-surface datum, May 29, 1985; lowest measured, 78.35 ft below land-surface datum, Aug. 5, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	78.05	FEB 18	78.34	APR 29	78.09	AUG 5	78.35

344342088203702. Local number, D040. (USCE W3-2)

LOCATION.--Lat 34°43'42", long 88°20'37", Hydrologic Unit 06030005, SE¼SW¼ sec.15, T.4 S., R.9 E., at Cairo.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 180 ft.

DATUM.--Land-surface datum is about 495 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.9 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 80.08 ft below land-surface datum, May 29, 1985; lowest measured, 81.49 ft below land-surface datum, Aug. 5, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	81.28	FEB 18	81.47	APR 29	81.22	AUG 5	81.49

344304088212701. Local number, D041. (USCE W5-1)

LOCATION.--Lat 34°43'04", long 88°21'27", Hydrologic Unit 06030005, NE¼SW¼ sec.21, T.4 S., R.9 E., 0.8 mi southwest of Cairo.

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 1.5 in, depth 250 ft.

DATUM.--Land-surface datum is about 580 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.90 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1986 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 142.22 ft below land-surface datum, May 29, 1985; lowest measured, 143.63 ft below land-surface datum, Aug. 5, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	142.96	FEB 21	143.08	APR 29	142.76	AUG 5	143.63

344304088212702. Local number, D042. (USCE W5-2)

LOCATION.--Lat 34°43'04", long 88°21'27", Hydrologic Unit 06030005, NE¼SW¼ sec.21, T.4 S., R.9 E., 1 mi southwest of Cairo.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 192 ft.

DATUM.--Land-surface datum is about 580 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.1 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1986 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 112.74 ft below land-surface datum, Feb. 22, 1985; lowest measured, 114.08 ft below land-surface datum, Aug. 5, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	113.19	FEB 21	113.17	APR 29	113.22	AUG 5	114.08

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

PRENTISS COUNTY--Continued

343924088201101. Local number, H023. (USCE SW2-1)

LOCATION.--Lat 34°39'24", long 88°20'11", Hydrologic Unit 03160101, SW¼SE¼ sec.10, T.5 S., R.9 E.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 533 ft.

DATUM.--Land-surface datum is about 480 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.35 ft above land-surface datum.

PERIOD OF RECORD.--October 1978, February 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 100.78 ft below land-surface datum, Nov. 30, 1982; lowest measured, 106.0 ft below land-surface datum, Oct. 18, 1978.

343924088201102. Local number, H025. (USCE SW2-2)

LOCATION.--Lat 34°39'24", long 88°20'11", Hydrologic Unit 03160101, SW¼SE¼ sec.10, T.5 S., R.9 E.

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 1.5 in, depth 256 ft.

DATUM.--Land-surface datum is about 480 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.10 ft above land-surface datum.

PERIOD OF RECORD.--October 1978, February 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 58.44 ft below land-surface datum, May 28, 1985; lowest measured, 90.0 ft below land-surface datum, Oct. 18, 1978.

343924088201103. Local number, H026. (USCE SW2-3)

LOCATION.--Lat 34°39'24", long 88°20'11", Hydrologic Unit 03160101, SW¼SE¼ sec.10, T.5 S., R.9 E., 4.1 mi west of Paden.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 217 ft.

DATUM.--Land-surface datum is about 480 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.95 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.40 ft below land-surface datum, May 28, 1985; lowest measured, 43.53 ft below land-surface datum, Aug. 5, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	42.46	FEB 21	43.44	APR 29	42.56	AUG 5	43.53

343856088215501. Local number, H027. (USCE SW3-1)

LOCATION.--Lat 34°38'56", long 88°21'55", Hydrologic Unit 03160101, SW¼NW¼ sec.16, T.5 S., R.9 E., 5.8 mi west of Paden.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 250 ft.

DATUM.--Land-surface datum is about 450 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.15 ft above land-surface datum.

PERIOD OF RECORD.--July 1980, March 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 56.0 ft below land-surface datum, July 15, 1980; lowest measured, 64.40 ft below land-surface datum, Aug. 23, 1985.

343856088215502. Local number, H028. (USCE SW3-2)

LOCATION.--Lat 34°38'56", long 88°21'55", Hydrologic Unit 03160101, SW¼NW¼ sec.16, T.5 S., R.9 E., 5.8 mi west of Paden.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 192 ft.

DATUM.--Land-surface datum is about 450 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--July 1980, March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 62.30 ft below land-surface datum, Mar. 6, 1985; lowest measured, 65.0 ft below land-surface datum, July 15, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	62.83	FEB 21	62.69	APR 29	62.88	AUG 5	64.24

PRENTISS COUNTY--Continued

343856088215503. Local number, H029. (USCE SW3-3)

LOCATION.--Lat 34°38'56", long 88°21'55", Hydrologic Unit 03160101, SW¼NW¼ sec.16, T.5 S., R.9 E., 5.8 mi west of Paden.

Owner: U. S. Army of Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 132 ft.

DATUM.--Land-surface datum is about 450 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.20 ft above land-surface datum.

PERIOD OF RECORD.--July 1980, March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 62.38 ft below land-surface datum, Mar. 6, 1985; lowest measured, 65.0 ft below land-surface datum, July 15, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	62.83	FEB 21	62.70	APR 29	62.67	AUG 5	64.27

343856088215504. Local number, H030. (USCE SW3-4)

LOCATION.--Lat 34°38'56", long 88°21'55", Hydrologic Unit 03160101, SW¼NW¼ sec.16, T.5 S., R.9 E., 5.8 mi west of Paden.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 79 ft.

DATUM.--Land-surface datum is about 450 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.80 ft above land-surface datum.

PERIOD OF RECORD.--July 1980, March 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.67 ft below land-surface datum, Mar. 6, 1985; lowest measured, 65.0 ft below land-surface datum, July 15, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	55.94	FEB 21	55.89	APR 29	56.23	AUG 5	56.88

343924088195001. Local number, H032. (USCE W6-1)

LOCATION.--Lat 34°39'24", long 88°19'50", Hydrologic Unit 03160101, SE¼SE¼ sec.10, T.5 S., R.9 E., 3.6 mi west of Paden.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 225 ft.

DATUM.--Land-surface datum is about 480 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.4 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.85 ft below land-surface datum, May 28, 1985; lowest measured, 41.82 ft below land-surface datum, Feb. 22, 1985.

PRENTISS COUNTY--Continued

343924088195002. Local number, H033. (USCE W6-2)

LOCATION.--Lat 34°39'24", long 88°19'50", Hydrologic Unit 03160101, SE¼SE¼ sec.10, T.5 S., R.9 E., 3.6 mi west of Paden.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 162 ft.

DATUM.--Land-surface datum is about 480 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.55 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.41 ft below land-surface datum, May 28, 1985; lowest measured, 42.77 ft below land-surface datum, Aug. 5, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	41.93	FEB 21	41.83	APR 29	42.13	AUG 5	42.77

343924088195003. Local number, H034. (USCE W6-3)

LOCATION.--Lat 34°39'24", long 88°19'50", Hydrologic Unit 03160101, SE¼SE¼ sec.10, T.5 S., R.9 E., 3.5 mi west of Paden.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 92 ft.

DATUM.--Land-surface datum is about 480 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.75 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.87 ft below land-surface datum, May 28, 1985; lowest measured, 37.74 ft below land-surface datum, Aug. 29, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	37.39	FEB 21	37.31	APR 29	37.74

342900088201601. Local number, M016. (USCE 53A)

LOCATION.--Lat 34°29'00", long 88°20'16", Hydrologic Unit 03160101, NW¼SE¼ sec.10, T.7 S., R.9 E., 15.7 mi south-east of Baldwyn.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 35 ft, cased to 30 ft.

DATUM.--Land-surface datum is about 332 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.4 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.31 ft below land-surface datum, Apr. 25, 1973; lowest measured, 10.24 ft below land-surface datum, Nov. 19, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	1.75	FEB 25	1.34	APR 30	2.77	AUG 7	6.04

343201088204703. Local number, M017. (USCE 43C)

LOCATION.--Lat 34°32'01", long 88°20'47", Hydrologic Unit 03160101, NW¼NW¼ sec.27, T.6 S., R.9 E., 14 mi southeast of Booneville.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 90 ft, cased to 85 ft.

DATUM.--Land-surface datum is about 445 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.2 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.83 ft below land-surface datum, May 23, 1980; lowest measured, 34.93 ft below land-surface datum, Dec. 15, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 13	27.84	FEB 25	28.29	APR 30	29.02	AUG 7	28.92

PRENTISS COUNTY--Continued

343201088204702. Local number, M018. (USCE 43B)

LOCATION.--Lat 34°32'01", long 88°20'47", Hydrologic Unit 03160101, NW¼ sec.27, T.6 S., R.9 E., 14 mi southeast of Booneville.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--McShan sand member of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 120 ft, cased to 110 ft.

DATUM.--Land-surface datum is about 460 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.2 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.52 ft below land-surface datum, May 22, 1985; lowest measured, 52.45 ft below land-surface datum, May 20, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 13	44.53	FEB 25	45.42	APR 30	45.75	AUG 7	45.79

342911088205201. Local number, M019. (USCE 52A)

LOCATION.--Lat 34°29'11", long 88°20'52", Hydrologic Unit 03160101, NE¼ sec.9, T.7 S., R.9 E., 15.6 mi southeast of Baldwyn.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 40 ft, cased to 35 ft.

DATUM.--Land-surface datum is about 324 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.0 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.2 ft above land-surface datum, Apr. 25, 1973; lowest measured, 8.44 ft below land-surface datum, Aug. 29, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	7.15	FEB 25	6.02	APR 30	6.34	AUG 7	7.55

342917088212701. Local number, M020. (USCE 51A)

LOCATION.--Lat 34°29'17", long 88°21'27", Hydrologic Unit 03160101, SE¼ sec.9, T.7 S., R.9 E., 15.5 mi south-east of Baldwyn.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 64 ft, cased to 59 ft.

DATUM.--Land-surface datum is about 356 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.0 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.24 ft below land-surface datum, Apr. 25, 1973; lowest measured, 35.22 ft below land-surface datum, Aug. 11, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	32.20	FEB 25	31.73	APR 30	32.78	AUG 7	34.86

343152088213002. Local number, M021. (USCE 41A)

LOCATION.--Lat 34°31'52", long 88°21'30", Hydrologic Unit 03160101, SE¼ sec.28, T.6 S., R.9 E., 16 mi east of Baldwyn.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 226 ft, cased to 206 ft.

DATUM.--Land-surface datum is about 480 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.4 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 134.65 ft below land-surface datum, July 12, 1973; lowest measured, 155.21 ft below land-surface datum, Aug. 7, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 13	154.19	FEB 25	154.22	APR 30	154.40	AUG 7	155.21

PRENTISS COUNTY--Continued

343152088213003. Local number, M022. (USCE 41B)

LOCATION.--Lat 34°31'52", long 88°21'30", Hydrologic Unit 03160101, SE¼NW¼ sec.28, T.6 S., R.9 E., 16 mi east of Baldwyn.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 176 ft, cased to 166 ft.

DATUM.--Land-surface datum is about 480 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.7 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 71.30 ft below land-surface datum, June 19, 1980; lowest measured, 77.96 ft below land-surface datum, Nov. 25, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 13	74.92	FEB 25	75.59	APR 30	75.83	AUG 7	76.21

343201088204701. Local number, M023. (USCE 43A)

LOCATION.--Lat 34°32'01", long 88°20'47", Hydrologic Unit 03160101, NW¼NW¼ sec.27, T.6 S., R.9 E., 14 mi southeast of Booneville.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 170 ft, cased to 150 ft.

DATUM.--Land-surface datum is about 460 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.7 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 116.43 ft below land-surface datum, Apr. 25, 1973; lowest measured, 132.78 ft below land-surface datum, Nov. 18, 1983.

Obstruction. No measurement since August 29, 1984.

343201088194701. Local number, M025. (USCE 43D)

LOCATION.--Lat 34°32'01", long 88°19'47", Hydrologic Unit 03160101, NW¼NW¼ sec.27, T.6 S., R.9 E., 14 mi southeast of Booneville.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 118 ft, cased to 108 ft.

DATUM.--Land-surface datum is about 460 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.8 ft above land-surface datum.

PERIOD OF RECORD.--January 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.38 ft below land-surface datum, Aug. 10, 1983; lowest measured, 54.16 ft below land-surface datum, Nov. 17, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 13	46.53	FEB 25	47.39	APR 30	48.50	AUG 7	47.81

343150088205801. Local number, M026. (USCE 42A)

LOCATION.--Lat 34°31'50", long 88°20'58", Hydrologic Unit 03160101, NE¼NE¼ sec.28, T.6 S., R.9 E., 16.3 mi east of Baldwyn.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 69 ft, cased to 59 ft.

DATUM.--Land-surface datum is about 420 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.7 ft above land-surface datum.

PERIOD OF RECORD.--January 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.03 ft below land-surface datum, May 22, 1985; lowest measured, dry, Feb. 25, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 13	19.30	FEB 25	DRY	APR 30	DRY	AUG 7	DRY

PRENTISS COUNTY--Continued

343150088205802. Local number, M027. (USCE 428)

LOCATION.--Lat 34°31'50", long 88°20'58", Hydrologic Unit 03160101, NE¼NE¼ sec.28, T.6 S., R.9 E., 16.3 mi east of Baldwin.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 49 ft, cased to 39 ft.

DATUM.--Land-surface datum is about 420 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.0 ft above land-surface datum.

PERIOD OF RECORD.--January 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.38 ft below land-surface datum, May 27, 1980;

lowest measured, 25.90 ft below land-surface datum, Nov. 17, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 13	20.07	FEB 25	20.88	APR 30	21.18	AUG 7	21.48

342838088215001. Local number, M028. (USCE GW123A)

LOCATION.--Lat 34°28'38", long 88°21'50", Hydrologic Unit 03160101, NW¼NW¼ sec.16, T.7 S., R.9 E., 6.25 mi southeast of Marietta.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Terraces, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in, depth 23 ft, cased to 18 ft.

DATUM.--Land-surface datum is about 316 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.2 ft above land-surface datum.

PERIOD OF RECORD.--February 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.50 ft below land-surface datum, Feb. 14, 1981;

lowest measured, 10.76 ft below land-surface datum, Nov. 19, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	5.17	FEB 25	2.61	APR 30	4.24	AUG 7	7.96

342851088233501. Local number, M030. (USCE GW122)

LOCATION.--Lat 34°28'51", long 88°23'35", Hydrologic Unit 03160101, SW¼SE¼ sec.7, T.7 S., R.9 E. 7 mi south of East Prentiss Church.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 2.0 in, depth 23 ft.

DATUM.--Land-surface datum is about 330 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2.0 in pipe, 2.65 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.31 ft below land-surface datum, Mar. 6, 1985;

lowest measured, 7.40 ft below land-surface datum, Aug. 7, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	5.07	FEB 25	4.68	APR 30	5.90	AUG 7	7.40

342755088203401. Local number, M031. (USCE GW123)

LOCATION.--Lat 34°27'55", long 88°20'34", Hydrologic Unit 03160101, SE¼SW¼ sec.15, T.7 S., R.9 E., 4.5 mi south of Bay Springs Lock and Dam.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 2.0 in, depth 22 ft.

DATUM.--Land-surface datum is about 354 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2.0 in pipe, 4.30 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.70 ft below land-surface datum, Mar. 6, 1985;

lowest measured, 13.67 ft below land-surface datum, Aug. 7, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	13.01	FEB 26	12.13	MAY 1	13.45	AUG 7	13.67

PRENTISS COUNTY--Continued

342916088211001. Local number, M032. (USCE GW124)

LOCATION.--Lat 34°29'16", long 88°21'10", Hydrologic Unit 03160101, SE¼NW¼ sec.9, T.7 S., R.9 E., 6 mi south of East Prentiss Church.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 2.0 in, depth 39 ft.

DATUM.--Land-surface datum is about 350 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2.0 in pipe, 3.25 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.20 ft below land-surface datum, Aug. 21, 1985; lowest measured, 33.19 ft below land-surface datum, Aug. 7, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	32.20	FEB 26	32.23	MAY 1	32.50	AUG 7	33.19

TISHOMINGO COUNTY

345335088175501. Local number, A014. (USCE 8DP169)

LOCATION.--Lat 34°53'35", long 88°17'55", Hydrologic Unit 06030005, SE¼NE¼ sec.24, T.2 S., R.9 E., 0.65 mi south of Daskie.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3.0 in, depth 49 ft.

DATUM.--Land-surface datum is about 425 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 3.0 in pipe, 1.45 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.35 ft below land-surface datum, May 23, 1985; lowest measured, 20.78 ft below land-surface datum, Feb. 21, 1985.

345335088175202. Local number, A015. (USCE 8DP170)

LOCATION.--Lat 34°53'35", long 88°17'52", Hydrologic Unit 06030005, SE¼NE¼ sec.24, T.2 S., R.9 E., 0.65 mi south of Daskie.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3.0 in, depth 38 ft.

DATUM.--Land-surface datum is about 425 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 3.0 in pipe, 2.15 ft above land-surface datum.

PERIOD OF RECORD.--May 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.14 ft below land-surface datum, May 23, 1985; lowest measured, 18.64 ft below land-surface datum, Aug. 22, 1985.

345214088180001. Local number, A016. (USCE 10DP176)

LOCATION.--Lat 34°52'14", long 88°18'00", Hydrologic Unit 06030005, NE¼NW¼ sec.36, T.2 S., R.9 E., 2.4 mi north of Burnsville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4.0 in, depth 68 ft.

DATUM.--Land-surface datum is about 430 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4.0 in pipe, 3.55 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.50 ft below land-surface datum, May 23, 1985; lowest measured, 19.54 ft below land-surface datum, Feb. 21, 1985.

345214088180002. Local number, A017. (USCE 10DP177)

LOCATION.--Lat 34°52'14", long 88°18'00", Hydrologic Unit 06030005, NE¼NW¼ sec.36, T.2 S., R.9 E., 2.4 mi north of Burnsville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4.0 in, depth 48 ft.

DATUM.--Land-surface datum is about 430 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4.0 in pipe, 4.10 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.60 ft below land-surface datum, May 23, 1985; lowest measured, 20.05 ft below land-surface datum, Feb. 21, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	19.82	FEB 20	19.54	APR 29	18.80	AUG 5	17.65

TISHOMINGO COUNTY--Continued

345214088180003. Local number, A018. (USCE 10DP178)

LOCATION.--Lat 34°52'14", long 88°18'00", Hydrologic Unit 06030005, NE¼NW¼ sec.36, T.2 S., R.9 E., 2.4 mi north of Burnsville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4.0 in, depth 26 ft.

DATUM.--Land-surface datum is about 430 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4.0 in pipe, 3.90 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.13 ft below land-surface datum, Feb. 21, 1985; lowest measured, 9.27 ft below land-surface datum, Aug. 22, 1985.

345142088190101. Local number, A019. (USCE 2MW16)

LOCATION.--Lat 34°51'42", long 88°19'01", Hydrologic Unit 06030005, NW¼SE¼ sec.35, T.2 S., R.9 E., 1.5 mi north of Burnsville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 108 ft.

DATUM.--Land-surface datum is about 500 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.65 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.35 ft below land-surface datum, May 23, 1985; lowest measured, 58.88 ft below land-surface datum, Apr. 29, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	58.74	FEB 20	58.73	APR 29	58.88	AUG 5	58.84

345142088190102. Local number, A020. (USCE 2MW17)

LOCATION.--Lat 34°51'42", long 88°19'01", Hydrologic Unit 06030005, NW¼SE¼ sec.6, T.2 S., R.9 E., 1.5 mi north of Burnsville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 119 ft.

DATUM.--Land-surface datum is about 500 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.6 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.83 ft below land-surface datum, May 23, 1985; lowest measured, 58.82 ft below land-surface datum, Apr. 29, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	58.55	FEB 20	58.67	APR 29	58.82	AUG 5	58.79

345142088190103. Local number, A021. (USCE 2MW18)

LOCATION.--Lat 34°51'42", long 88°19'01", Hydrologic Unit 06030005, NW¼SE¼ sec.35, T.2 S., R.9 E.

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 1.5 in, depth 138 ft.

DATUM.--Land-surface datum is about 500 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.95 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.56 ft below land-surface datum, May 23, 1985; lowest measured, 58.25 ft below land-surface datum, Feb. 21, 1985.

344642088193801. Local number, D036. (USCE 13A)

LOCATION.--Lat 34°46'42", long 88°19'38", Hydrologic Unit 06030005, SW¼NW¼ sec.35, T.3 S., R.9 E.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 378 ft.

DATUM.--Land-surface datum is about 462 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 12 in pipe, 1.60 ft above land-surface datum.

PERIOD OF RECORD.--September 1972 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.82 ft below land-surface datum, Sept. 1, 1972; lowest measured, 38.72 ft below land-surface datum, Feb. 21, 1985.

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

TISHOMINGO COUNTY--Continued

344643088182102. Local number, D037. (USCE 14A)

LOCATION.--Lat 34°46'43", long 88°18'21", Hydrologic Unit 06030005, SE¼NW¼ sec.36, T.3 S., R.9 E., 4 mi south of Burnsville.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 184 ft.

DATUM.--Land-surface datum is about 545 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.0 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 67.59 ft below land-surface datum, Apr. 25, 1973; lowest measured, 78.52 ft below land-surface datum, May 19, 1981.

Obstruction. No measurement made since May 19, 1981.

344638088200102. Local number, D040. (USCE 12A)

LOCATION.--Lat 34°46'38", long 88°20'01", Hydrologic Unit 06030005, SE¼NE¼ sec.34, T.3 S., R.9 E., 4.5 mi southwest of Burnsville.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 190 ft.

DATUM.--Land-surface datum is about 485 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.98 ft below land-surface datum, Mar. 22, 1973; lowest measured, 98.96 ft below land-surface datum, Aug. 26, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	69.16	FEB 18	69.36	APR 29	68.52	AUG 5	67.24

344638088200103. Local number, D041. (USCE 12B)

LOCATION.--Lat 34°46'38", long 88°20'01", Hydrologic Unit 06030005, SE¼NE¼ sec.34, T.3 S., R.9 E., 4.5 mi southwest of Burnsville.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 150 ft.

DATUM.--Land-surface datum is about 485 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.29 ft below land-surface datum, Mar. 22, 1973; lowest measured, 83.47 ft below land-surface datum, Aug. 26, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	65.13	FEB 18	65.13	APR 29	64.77	AUG 5	63.83

344638088200104. Local number, D042. (USCE 12C)

LOCATION.--Lat 34°46'38", long 88°20'01", Hydrologic Unit 06030005, SE¼NE¼ sec.34, T.3 S., R.9 E., 4.5 mi southwest of Burnsville.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 88 ft, cased to 78 ft.

DATUM.--Land-surface datum is about 485 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.8 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.39 ft below land-surface datum, Mar. 22, 1973; low-measured, 62.41 ft below land-surface datum, Aug. 25, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	57.06	FEB 21	57.05	APR 29	57.26	AUG 5	57.10

TISHOMINGO COUNTY--Continued

344643088182104. Local number, D044. (USCE 14C)

LOCATION.--Lat 34°46'43", long 88°18'21", Hydrologic Unit 06030005, SE¼NW¼ sec.36, T.3 S., R.9 E., 4 mi south of Burnsville.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 106 ft, cased to 100 ft.

DATUM.--Land-surface datum is about 545 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.2 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 65.63 ft below land-surface datum, Apr. 25, 1973; lowest measured, 80.57 ft below land-surface datum, Aug. 26, 1982.

Obstruction. No measurement made since March 8, 1983.

344642088193802. Local number, D045. (USCE 13B)

LOCATION.--Lat 34°46'42", long 88°19'38", Hydrologic Unit 06030005, sec.35, T.3 S., R.9 E.

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 3.0 in, depth 288 ft.

DATUM.--Land-surface datum is about 462 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 3.0 in pipe, 2.90 ft above land-surface datum.

PERIOD OF RECORD.--September 1972 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.0 ft below land-surface datum, Sept. 1, 1972; lowest measured, 50.31 ft below land-surface datum, Feb. 21, 1985.

344642088193803. Local number, D046. (USCE 13C)

LOCATION.--Lat 34°46'42", long 88°19'38", Hydrologic Unit 06030005, SE¼NW¼ sec.35, T.3 S., R.9 E.

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 12.0 in, depth 220 ft.

DATUM.--Land-surface datum is about 462 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 12.0 in pipe, 1.45 ft above land-surface datum.

PERIOD OF RECORD.--September 1972, February 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.49 ft below land-surface datum, Sept. 1, 1972; lowest measured, 35.71 ft below land-surface datum, Feb. 21, 1985.

344616088211801. Local number, D050. (USCE 11C)

LOCATION.--Lat 34°46'16", long 88°21'18", Hydrologic Unit 06030005, SW¼SE¼ sec.33, T.3 S., R.9 E., 5.5 mi southwest of Burnsville.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 404 ft.

DATUM.--Land-surface datum is about 505 ft above National Geodetic Vertical Datum of 1929. Top of casing, 2.6 ft above land-surface datum.

PERIOD OF RECORD.--January 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 97.65 ft below land-surface datum, Mar. 9, 1976; lowest measured, dry, Apr. 29, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	DRY	FEB 21	DRY	APR 29	DRY	AUG 5	115.53

344617088211901. Local number, D051. (USCE 11D)

LOCATION.--Lat 34°46'17", long 88°21'19", Hydrologic Unit 06030005, SW¼SE¼ sec.33, T.3 S., R.9 E., 5.5 mi southwest of Burnsville.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 210 ft.

DATUM.--Land-surface datum is about 505 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.4 ft above land-surface datum.

PERIOD OF RECORD.--January 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.02 ft below land-surface datum, Mar. 9, 1976; lowest measured, 103.03 ft below land-surface datum, June 1, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	93.13	FEB 21	92.87	APR 29	93.48	AUG 5	94.69

TISHOMINGO COUNTY--Continued

344910088185801. Local number, D054. (USCE 3DP150)

LOCATION.--Lat 34°49'10", long 88°18'58", Hydrologic Unit 06030005, NE¼SE¼ sec.14, T.3 S., R.9 E., 1.3 mi south of Burnsville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3.0 in, depth 220 ft.

DATUM.--Land-surface datum is about 450 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 3.0 in pipe, 3.10 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water year measured, 27.56 ft below land-surface datum, May 23, 1985; lowest measured, 29.99 ft below land-surface datum, Mar. 8, 1985.

344910088185802. Local number, D055. (USCE 3DP151)

LOCATION.--Lat 34°49'10", long 88°18'58", Hydrologic Unit 06030005, NE¼SE¼ sec.14, T.3 S., R.9 E., 1.4 mi southeast of Burnsville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3.0 in, depth 163 ft.

DATUM.--Land-surface datum is about 450 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 3.0 in pipe, 3.25 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.57 ft below land-surface datum, May 23, 1985; lowest measured, 29.99 ft below land-surface datum, Mar. 8, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	29.67	FEB 20	29.68	APR 29	29.25	AUG 5	28.37

344910088185803. Local number, D056. (USCE 3DP152)

LOCATION.--Lat 34°49'10", long 88°18'58", Hydrologic Unit 06030005, NE¼SE¼ sec.14, T.3 S., R.9 E., 1.4 mi southeast of Burnsville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3.0 in, depth 100 ft.

DATUM.--Land-surface datum is about 450 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 3.0 in pipe, 3.8 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.37 ft below land-surface datum, May 23, 1985; lowest measured, 34.5 ft below land-surface datum, Mar. 8, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	33.92	FEB 20	34.00	APR 29	33.49	AUG 5	32.31

344910088185804. Local number, D057. (USCE 3DP153)

LOCATION.--Lat 34°49'10", long 88°18'58", Hydrologic Unit 06030005, NE¼SE¼ sec.14, T.3 S., R.9 E., 1.3 mi south of Burnsville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3.2 in, depth 77 ft.

DATUM.--Land-surface datum is about 450 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 3.2 in pipe, 3.45 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.59 ft below land-surface datum, May 23, 1985; lowest measured, 36.99 ft below land-surface datum, Mar. 8, 1985.

344910088185805. Local number, D058. (USCE 3DP154)

LOCATION.--Lat 34°49'10", long 88°18'58", Hydrologic Unit 06030005, NE¼SE¼ sec.14, T.3 S., R.9 E., 1.3 mi south of Burnsville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3.2 in, depth 50 ft.

DATUM.--Land-surface datum is about 450 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 3.2 in pipe, 3.15 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 34.67 ft below land-surface datum, May 23, 1985; lowest measured, 37.94 ft below land-surface datum, Mar. 8, 1985.

TISHOMINGO COUNTY--Continued

345055088175601. Local number, D059. (USCE 7DP167)

LOCATION.--Lat 34°50'55", long 88°17'56", Hydrologic Unit 06030005, NE¼SE¼ sec.1, T.3 S., R.9 E., 1.4 mi northeast of Burnsville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3.0 in, depth 88 ft.

DATUM.--Land-surface datum is about 435 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 3.0 in pipe, 3.4 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.21 ft below land-surface datum, Aug. 5, 1986; lowest measured, 29.86 ft below land-surface datum, Feb. 21, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	28.80	FEB 24	28.06	APR 29	27.28	AUG 5	26.21

345055088175602. Local number, D060. (USCE 7DP168)

LOCATION.--Lat 34°50'55", long 88°17'56", Hydrologic Unit 06030005, NE¼SE¼ sec.1, T.3 S. R.9 E., 1.4 mi northeast of Burnsville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4.0 in, depth 43 ft.

DATUM.--Land-surface datum is about 435 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4.0 in pipe, 3.45 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.87 ft below land-surface datum, May 23, 1985; lowest measured, 27.63 ft below land-surface datum, Feb. 21, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	26.31	FEB 24	25.90	APR 29	25.19	AUG 5	24.22

344942088193901. Local number, D062. (USCE W2-1)

LOCATION.--Lat 34°49'42", long 88°19'39", Hydrologic Unit 06030005, SW¼SW¼ sec.11, T.3 S., R.9 E., 0.8 mi south of U. S. Highway 72 and State Highway 365.

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 1.5 in, depth 280 ft.

DATUM.--Land-surface datum is about 500 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 62.47 ft below land-surface datum, May 23, 1985; lowest measured, 63.23 ft below land-surface datum, Feb. 21, 1985.

344942088193902. Local number, D063. (USCE W2-2)

LOCATION.--Lat 34°49'42", long 88°19'39", Hydrologic Unit 06030005, SW¼SW¼ sec.11, T.3 S., R.9 E., 0.8 mi south of U. S. Highway 72 and State Highway 365.

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 1.5 in, depth 225 ft.

DATUM.--Land-surface datum is about 500 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.80 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.40 ft below land-surface datum, Feb. 21, 1985; lowest measured, 30.90 ft below land-surface datum, Aug. 22, 1985.

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

TISHOMINGO COUNTY--Continued

344942088193903. Local number, D064. (USCE W2-3)

LOCATION.--Lat 34°49'42", long 88°19'39", Hydrologic Unit 06030005, SW¼SW¼ sec.11, T.3 S., R.9 E., 1 mi south of Burnsville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 172 ft.

DATUM.--Land-surface datum is about 500 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.1 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.15 ft below land-surface datum, May 23, 1985; lowest measured, 61.80 ft below land-surface datum, Feb. 21, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	61.65	FEB 21	61.66	APR 29	61.35	AUG 5	61.14

344942088193904. Local number, D065. (USCE W2-4)

LOCATION.--Lat 34°49'42", long 88°19'39", Hydrologic Unit 06030005, SW¼SW¼ sec.11, T.3 S., R.9 E., 1 mi south of Burnsville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 104 ft.

DATUM.--Land-surface datum is about 500 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.80 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.18 ft below land-surface datum, Feb. 21, 1985; lowest measured, 53.71 ft below land-surface datum, Feb. 21, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	53.70	FEB 21	53.71	APR 29	53.67	AUG 5	53.66

345033088184001. Local number, D066. (USCE 2MW5)

LOCATION.--Lat 34°50'33", long 88°18'40", Hydrologic Unit 06030005, SW¼SW¼ sec.1, T.3 S., R.9 E., 0.8 mi northeast of JCT U. S. Highway 72 and State Highway 365.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 60 ft.

DATUM.--Land-surface datum is about 455 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.85 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.33 ft below land-surface datum, May 23, 1985; lowest measured, 23.72 ft below land-surface datum, Aug. 22, 1985.

345033088184002. Local number, D067. (USCE 2MW6)

LOCATION.--Lat 34°50'33", long 88°18'40", Hydrologic Unit 06030005, SW¼SW¼ sec.1, T.3 S., R.9 E., in Burnsville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 90 ft.

DATUM.--Land-surface datum is about 455 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.65 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.91 ft below land-surface datum, May 23, 1985; lowest measured, 26.67 ft below land-surface datum, Feb. 20, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	26.66	FEB 20	26.67	APR 29	26.34	AUG 5	26.17

TISHOMINGO COUNTY--Continued

345033088191102. Local number, D068. (USCE 2MW7)

LOCATION.--Lat 34°50'33", long 88°19'11", Hydrologic Unit 06030005, SW¼SE¼ sec.2, T.3 S., R.9 E., at Burnsville Fire Dept.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 110 ft.

DATUM.--Land-surface datum is about 455 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.10 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 37.00 ft below land-surface datum, May 23, 1985; lowest measured, 38.63 ft below land-surface datum, Nov. 19, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	38.63	FEB 20	38.49	APR 29	38.45	AUG 5	38.48

345033088191103. Local number, D069. (USCE 2MW8)

LOCATION.--Lat 34°50'33", long 88°19'11", Hydrologic Unit 06030005, SW¼SE¼ sec.2, T.3 S., R.9 E., at Burnsville Fire Dept.

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 1.5 in, depth 131 ft.

DATUM.--Land-surface datum is about 455 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.30 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.33 ft below land-surface datum, May 23, 1985; lowest measured, 40.96 ft below land-surface datum, Nov. 19, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	40.96	FEB 20	40.79	APR 29	40.77	AUG 5	40.66

344643088193701. Local number, D072. (USCE 10P139)

LOCATION.--Lat 34°46'43", long 88°19'37", Hydrologic Unit 06030005, SW¼NW¼ sec.35, T.3 S., R.9 E., 4.2 mi south of Burnsville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3.0 in, depth 288 ft.

DATUM.--Land-surface datum is about 463 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 3.0 in pipe, 2.90 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.58 ft below land-surface datum, May 23, 1985; lowest measured, 50.31 ft below land-surface datum, Feb. 21, 1985.

344643088193801. Local number, D075. (USCE 10P142)

LOCATION.--Lat 34°46'43", long 88°19'38", Hydrologic Unit 03160005, SW¼NW¼ sec.35, T.3 S., R.9 E., 4.2 mi south of Burnsville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 58 ft.

DATUM.--Land-surface datum is about 463 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.20 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.66 ft below land-surface datum, May 23, 1985; lowest measured, 44.72 ft below land-surface datum, Feb. 21, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	44.08	FEB 21	44.72	APR 29	44.38	AUG 5	43.97

TISHOMINGO COUNTY--Continued

344634088173201. Local number, E014. (USCE 15A)

LOCATION.--Lat 34°46'34", long 88°17'32", Hydrologic Unit 06030005, NW¼SW¼ sec.31, T.3 S., R.10 E., 4.2 mi south-east of Burnsville.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in, depth 340 ft, cased to 320 ft.

DATUM.--Land-surface datum is about 540 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.4 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 77.19 ft below land-surface datum, Apr. 25, 1973; lowest measured, 114.85 ft below land-surface datum, Nov. 18, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	99.98	FEB 24	100.08	APR 30	99.65	AUG 6	99.16

344634088173202. Local number, E015. (USCE 15B)

LOCATION.--Lat 34°46'34", long 88°17'32", Hydrologic Unit 06030005, NW¼SW¼ sec.31, T.3 S., R.10 E., 4.2 mi south-east of Burnsville.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 204 ft, cased to 184 ft.

DATUM.--Land-surface datum is about 540 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.2 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.08 ft below land-surface datum, Mar. 2, 1972; lowest measured, 69.84 ft below land-surface datum, Nov. 18, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	66.19	FEB 24	66.17	APR 30	66.28	AUG 6	66.46

344634088173203. Local number, E016. (USCE 15C)

LOCATION.--Lat 34°46'34", long 88°17'32", Hydrologic Unit 06030005, NW¼SW¼ sec.31, T.3 S., R.10 E., 4.2 mi south-east of Burnsville.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 130 ft, cased to 120 ft.

DATUM.--Land-surface datum is about 540 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.2 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 45.66 ft below land-surface datum, Mar. 30, 1976; lowest recorded, 58.16 ft below land-surface datum, Nov. 25, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	58.05	FEB 24	57.05	APR 30	57.24	AUG 6	57.54

344620088153001. Local number, E022. (USCE NE2-1)

LOCATION.--Lat 34°46'20", long 88°15'30", Hydrologic Unit 06030005, SW¼SW¼ sec.33, T.3 S., R.10 E., 6.0 mi south-east of Burnsville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 440 ft.

DATUM.--Land-surface datum is about 480 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.75 ft above land-surface datum.

PERIOD OF RECORD.--December 1977 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest and lowest water-level measured, 62.0 ft below land-surface datum, Dec. 2, 1977.

Obstruction: No measurement made since December 2, 1977.

TISHOMINGO COUNTY--Continued

344618088152602. Local number, E026. (USCE NE2-2)
 LOCATION.--Lat 34°46'18", long 88°15'26", Hydrologic Unit 06030005, SW¼SW¼ sec.33, T.3 S., R.10 E., 6.0 mi south-east of Burnsville.
 Owner: U. S. Army Corps of Engineers.
 AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.
 WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 82 ft.
 DATUM.--Land-surface datum is about 580 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.20 ft above land-surface datum.
 PERIOD OF RECORD.--October 1978, February 1985 to August 1985 (discontinued).
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 62.53 ft below land-surface datum, May 23, 1985; lowest measured, 67.0 ft below land-surface datum, Oct. 18, 1978.

344618088152603. Local number, E027. (USCE NE2-3)
 LOCATION.--Lat 34°46'18", long 88°15'26", Hydrologic Unit 06030005, SW¼SW¼ sec.33, T.3 S., R.10 E., 4.9 mi south-east of Burnsville.
 Owner: U. S. Army Corps of Engineers.
 AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
 WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 157 ft.
 DATUM.--Land-surface datum is about 580 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.85 ft above land-surface datum.
 PERIOD OF RECORD.--June 1980, February 1985 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 64.44 ft below land-surface datum, Apr. 30, 1986; lowest measured, 66.0 ft below land-surface datum, June 4, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	65.55	FEB 26	65.48	APR 30	64.44	AUG 6	65.87

344618088152604. Local number, E028. (USCE NE2-4)
 LOCATION.--Lat 34°46'18", long 88°15'26", Hydrologic Unit 06030005, SW¼SW¼ sec.33, T.3 S., R.10 E., 4.9 mi south-east of Burnsville.
 Owner: U. S. Army Corps of Engineers.
 AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
 WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 340 ft.
 DATUM.--Land-surface datum is about 580 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.30 ft above land-surface datum.
 PERIOD OF RECORD.--October 1978, February 1985 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 75.0 ft below land-surface datum, Oct. 18, 1978; lowest measured, 119.50 ft below land-surface datum, Nov. 20, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	119.50	FEB 26	119.44	APR 30	119.29	AUG 6	119.42

344659088131201. Local number, E030. (USCE NE3-1)
 LOCATION.--Lat 34°46'59", long 88°13'12", Hydrologic Unit 06030005, SE¼SW¼ sec.26, T.3 S., R.10 E., 2.25 mi south of Iuka.
 Owner: U. S. Army Corps of Engineers.
 AQUIFER.--Rocks of Paleozoic age.
 WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 584 ft.
 DATUM.--Land-surface datum is about 585 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.10 ft above land-surface datum.
 PERIOD OF RECORD.--July 1980, February 1985 to August 1985 (discontinued).
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 90.0 ft below land-surface datum, July 14, 1980; lowest measured, 92.02 ft below land-surface datum, May 23, 1985.

344659088131202. Local number, E031. (USCE NE3-2)
 LOCATION.--Lat 34°46'59", long 88°13'12", Hydrologic Unit 06030005, SW¼SW¼ sec.26, T.3 S., R.10 E., 2.26 mi south of Iuka.
 Owner: U. S. Army Corps of Engineers.
 AQUIFER.--Rocks of Paleozoic age.
 WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 450 ft.
 DATUM.--Land-surface datum is about 585 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.15 ft above land-surface datum.
 PERIOD OF RECORD.--July 1980, February 1985 to August 1985 (discontinued).
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 62.84 ft below land-surface datum, August 22, 1985; lowest measured, 84.0 ft below land-surface datum, July 14, 1980.

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

TISHOMINGO COUNTY--Continued

344659088131203. Local number, E032. (USCE NE3-3)

LOCATION.--Lat 34°46'59", long 88°13'12", Hydrologic Unit 06030005, SE¼SW¼ sec.26, T.3 S., R.10 E., 2.25 mi south of Iuka.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 270.

DATUM.--Land-surface datum is about 585 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.95 ft above land-surface datum.

PERIOD OF RECORD.--November 1980, February 1985 to August 1985 (discontinued)

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 82.0 ft below land-surface datum, Nov. 14, 1980; lowest measured, 84.40 ft below land-surface datum, Feb. 21, 1985.

344659088131204. Local number, E033. (USCE NE3-4)

LOCATION.--Lat 34°46'59", long 88°13'12", Hydrologic Unit 06030005, SE¼SW¼ sec.26, T.3 S., R.10 E., 2.2 mi south of Iuka.

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 1.5 in, depth 135 ft.

DATUM.--Land-surface datum is about 585 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.85 ft above land-surface datum.

PERIOD OF RECORD.--July 1980, February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.28 ft below land-surface datum, May 23, 1985; lowest measured, 34.0 ft below land-surface datum, July 14, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	32.65	FEB 26	32.89	APR 30	33.14	AUG 6	33.85

344659088131205. Local number, E034. (USCE NE3-5)

LOCATION.--Lat 34°46'59", long 88°13'12", Hydrologic Unit 06030005, SE¼SW¼ sec.26, T.3 S., R.10 E., 2.2 mi south of Iuka.

Owner: U. S. Army of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 63 ft.

DATUM.--Land-surface datum is about 585 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.50 ft above land-surface datum.

PERIOD OF RECORD.--July 1980, February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.07 ft below land-surface datum, Feb. 21, 1985; lowest measured, 31.0 ft below land-surface datum, July 14, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	28.39	FEB 26	28.63	APR 30	29.17	AUG 6	29.79

344801088155101. Local number, E040. (USCE E2-1)

LOCATION.--Lat 34°48'01", long 88°15'51", Hydrologic Unit 06030005, SE¼SW¼ sec.20, T.3 S., R.10 E., 4.2 mi south-east of Burnsville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 156 ft.

DATUM.--Land-surface datum is about 560 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.60 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 82.21 ft below land-surface datum, May 23, 1985; lowest measured, 83.48 ft below land-surface datum, Aug. 22, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	83.43	FEB 24	83.12	APR 30	82.94	AUG 6	83.40

TISHOMINGO COUNTY--continued

344801088155102. Local number, E041. (USCE E2-2)

LOCATION.--Lat 34°48'01", long 88°15'51", Hydrologic Unit 06030005, SW¼SE¼ sec.20, T.3 S., R.10 E., 4.2 mi south-east of Burnsville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 107 ft.

DATUM.--Land-surface datum is about 560 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.85 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 82.44 ft below land-surface datum, May 23, 1985; lowest measured, 83.59 ft below land-surface datum, Aug. 6, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	82.97	FEB 24	82.99	APR 30	83.12	AUG 6	83.59

345058088170201. Local number, E042. (USCE 2MW9)

LOCATION.--Lat 34°50'58", long 88°17'02", Hydrologic Unit 06030005, SE¼NW¼ sec.6, T.3 S., R.10 E., 2.1 mi northeast of Burnsville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 36 ft.

DATUM.--Land-surface datum is about 445 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.15 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.63 ft below land-surface datum, May 23, 1985; lowest measured, 1.88 ft below land-surface datum, Aug. 5, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	0.74	FEB 24	0.68	APR 29	0.99	AUG 5	1.88

345058088170202. Local number, E043. (USCE 2MW10)

LOCATION.--Lat 34°50'58", long 88°17'02", Hydrologic Unit 06030005, SE¼NW¼ sec.6, T.3 S., R.10 E., 2.1 mi northeast of Burnsville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 42 ft.

DATUM.--Land-surface datum is about 445 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.13 ft above land-surface datum, Nov. 20, 1985; lowest measured, 0.82 ft below land-surface datum, Aug. 5, 1986.

WATER LEVEL, IN FEET ABOVE AND BELOW (-) LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	-3.13	FEB 24	-0.22	APR 29	0.16	AUG 5	0.82

345139088183501. Local number, E044. (USCE 2MW13)

LOCATION.--Lat 34°51'39", long 88°18'35", Hydrologic Unit 0630006, NW¼SW¼ sec.36, T.2 S., R.9 E., 1.65 mi northeast of Burnsville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 88 ft.

DATUM.--Land-surface datum is about 445 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.90 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.08 ft below land-surface datum, August 22, 1985; lowest measured, 40.08 ft below land-surface datum, Apr. 29, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	39.88	FEB 20	40.02	APR 29	40.08	AUG 5	39.58

TISHOMINGO COUNTY--Continued

345139088183502. Local number, E045. (USCE 2MW14)

LOCATION.--Lat 34°51'39", long 88°18'35", Hydrologic Unit 06030006, NW¼SW¼ sec.36, T.2 S., R.9 E., 1.65 mi north-east of Burnsville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 99 ft.

DATUM.--Land-surface datum is about 445 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.02 ft below land-surface datum, Apr. 29, 1986; lowest measured, 39.96 ft below land-surface datum, Feb. 20, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	39.79	FEB 20	39.96	APR 29	38.02	AUG 5	39.52

345139088183503. Local number, E046. (USCE 2MW15)

LOCATION.--Lat 34°51'39", long 88°18'35", Hydrologic Unit 06030005, NW¼SW¼ sec.36, T.2 S., R.9 E., 1.65 mi northeast of Burnsville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 128 ft.

DATUM.--Land-surface datum is about 445 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.40 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.43 ft below land-surface datum, Feb. 21, 1985; lowest measured, 50.75 ft below land-surface datum, Aug. 22, 1985.

344155088194801. Local number, G004. (USCE 21A)

LOCATION.--Lat 34°41'55", long 88°19'48", Hydrologic Unit 06030005, SW¼SW¼ sec.26, T.4 S., R.9 E., 2.2 mi southwest of Holcut.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 278 ft, cased to 268 ft.

DATUM.--Land-surface datum is about 585 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.75 ft above land-surface datum.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 99.87 ft below land-surface datum, Jan. 31, 1985; lowest measured, 149.15 ft below land-surface datum, Jan. 31, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 29	102.11	AUG 5	105.13

344155088194802. Local number, G005. (USCE 21B)

LOCATION.--Lat 34°41'55", long 88°19'48", Hydrologic Unit 06030005, SW¼SW¼ sec.26, T.4 S., R.9 E., 2.2 mi southwest of Holcut.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 235 ft.

DATUM.--Land-surface datum is about 585 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 98.25 ft below land-surface datum, Apr. 29, 1985; lowest measured, 138.50 ft below land-surface datum, Jan. 31, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	108.50	FEB 21	99.80	APR 29	98.25	AUG 5	99.51

TISHOMINGO COUNTY--Continued

344110088151002. Local number, G013. (USCE 35A)

LOCATION.--Lat 34°41'10", long 88°15'10", Hydrologic Unit 03160101, NE¼SW¼ sec.33, T.4 S., R.10 E., 2.0 mi north-east of Paden.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 300 ft, cased to 260 ft.

DATUM.--Land-surface datum is about 600 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.3 ft above land-surface datum.

PERIOD OF RECORD.--July 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 106.68 ft below land-surface datum, May 23, 1974; lowest measured, 130.29 ft below land-surface datum, May 5, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	120.54	FEB 25	120.90	APR 30	118.18	AUG 6	121.93

344110088151003. Local number, G014. (USCE 35B)

LOCATION.--Lat 34°41'10", long 88°15'10", Hydrologic Unit 03160101, NE¼SW¼ sec.33, T.4 S., R.10 E., 2.0 mi northeast of Paden.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sands of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 203 ft, cased to 198 ft.

DATUM.--Land-surface datum is about 600 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.5 ft above land-surface datum.

PERIOD OF RECORD.--July 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 98.22 ft below land-surface datum, Mar. 6, 1976; lowest measured, 102.54 ft below land-surface datum, Nov. 18, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	101.15	FEB 25	101.36	APR 30	101.35	AUG 6	101.62

344253088162802. Local number, G015. (USCE 25A)

LOCATION.--Lat 34°42'53", long 88°16'28", Hydrologic Unit 06030006, NW¼SW¼ sec.20, T.4 S., R.10 E., 1.8 mi south-east of Holcut.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 235 ft, cased to 230 ft.

DATUM.--Land-surface datum is about 610 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.4 ft above land-surface datum.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.37 ft below land-surface datum, June 25, 1975; lowest measured, 126.28 ft below land-surface datum, Aug. 25, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	116.73	FEB 25	116.93	APR 30	117.05	AUG 6	117.34

344253088162803. Local number, G016. (USCE 25B)

LOCATION.--Lat 34°42'53", long 88°16'28", Hydrologic Unit 06030006, NW¼SW¼ sec.20, T.4 S., R.10 E., 1.8 mi south-east of Holcut.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 200 ft, cased to 190 ft.

DATUM.--Land-surface datum is about 610 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.4 ft above land-surface datum.

PERIOD OF RECORD.--August 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 89.87 ft below land-surface datum, July 13, 1973; lowest measured, 113.20 ft below land-surface datum, May 21, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	104.08	FEB 25	104.10	APR 30	106.86	AUG 6	105.12

TISHOMINGO COUNTY--Continued

344302088153802. Local number, G017. (USCE 26A)

LOCATION.--Lat 34°43'02", long 88°15'38", Hydrologic Unit 06030006, NE¼SE¼ sec.20, T.4 S., R.10 E., 2.5 mi south-east of Holcut.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in, depth 250 ft, cased to 210 ft.

DATUM.--Land-surface datum is about 565 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.4 ft above land-surface datum.

PERIOD OF RECORD.--August 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.60 ft below land-surface datum, Mar. 4, 1976; lowest measured, 59.68 ft below land-surface datum, Aug. 25, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	52.68	FEB 25	52.58	APR 30	52.83	AUG 6	53.33

344302088153803. Local number, G018. (USCE 26B)

LOCATION.--Lat 34°43'02", long 88°15'38", Hydrologic Unit 06030006, NE¼SE¼ sec.20, T.4 S., R.10 E., 2.5 mi south-east of Holcut.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 127 ft, cased to 122 ft.

DATUM.--Land-surface datum is about 565 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.4 ft above land-surface datum.

PERIOD OF RECORD.--August 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.00 ft below land-surface datum, Mar. 12, 1980; lowest measured, 47.41 ft below land-surface datum, Nov. 18, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	43.98	FEB 25	44.09	APR 30	44.42	AUG 6	45.25

344302088153804. Local number, G019. (USCE 26C)

LOCATION.--Lat 34°43'02", long 88°15'38", Hydrologic Unit 06030006, NE¼SE¼ sec.20, T.4 S., R.10 E., 2.5 mi south-east of Holcut.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in, depth 72 ft, cased to 67 ft.

DATUM.--Land-surface datum is about 565 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.5 ft above land-surface datum.

PERIOD OF RECORD.--August 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35.21 ft below land-surface datum, Apr. 25, 1973; lowest measured, 45.76 ft below land-surface datum, Nov. 18, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	42.33	FEB 25	42.47	APR 30	42.74	AUG 6	43.62

344228088173901. Local number, G023. (USCE 23G)

LOCATION.--Lat 34°42'28", long 88°17'39", Hydrologic Unit 06030005, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi southeast of Holcut.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2.0 in, depth 260 ft.

DATUM.--Land-surface datum is 601.3 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2.0 in pipe, 0.40 ft above land-surface datum.

PERIOD OF RECORD.--March 1972 to July 1983, March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 97.02 ft below land-surface datum, Feb. 25, 1975; lowest measured, 172.40 ft below land-surface datum, Feb. 21, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	172.23	FEB 21	172.40	APR 29	171.79	AUG 5	170.77

TISHOMINGO COUNTY--Continued

344234088153402. Local number, G032. (USCE 23L)

LOCATION.--Lat 34°42'34", long 88°15'34", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi south-east of Holcut.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 126 ft, cased to 86 ft.

DATUM.--Land-surface datum is about 563 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.0 ft above land-surface datum.

PERIOD OF RECORD.--December 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 59.16 ft below land-surface datum, May 31, 1973, lowest measured, dry, Nov. 7, 1980.

NOTE: Well reported dry since Nov. 7, 1980.

344230088173402. Local number, G033. (USCE 23D)

LOCATION.--Lat 34°42'30", long 88°17'34", Hydrologic Unit 06030005, NW¼NW¼ sec.30, T.4 S., R.9 E., 1.3 mi southeast of Holcut.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in x 2 in, depth 145 ft.

DATUM.--Land-surface datum is 590.2 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4.0 in pipe, 1.5 ft above land-surface datum.

PERIOD OF RECORD.--September 1971 to July 1983, March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest and lowest water level measured, 86.20 ft below land-surface datum, Sept. 1, 1971; lowest measured, dry, Nov. 7, 1980.

NOTE: Well reported dry since Nov. 7, 1980.

344218088184301. Local number, G038. (USCE 22A)

LOCATION.--Lat 34°42'18", long 88°18'43", Hydrologic Unit 03160101, SW¼NW¼ sec.25, T.4 S., R.9 E., 2 mi south of Holcut.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 360 ft, cased to 320 ft.

DATUM.--Land-surface datum is about 625 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.6 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 151.12 ft below land-surface datum, Mar. 9, 1976; lowest measured, 191.89 ft below land-surface datum, Nov. 18, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	183.69	FEB 21	182.81	APR 29	183.75	AUG 5	183.64

344218088184302. Local number, G040. (USCE 22B)

LOCATION.--Lat 34°42'18", long 88°18'43", Hydrologic Unit 03160101, NW¼SW¼ sec.25, T.4 S., R.9 E., 2.0 mi south of Holcut.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 240 ft, cased to 230 ft.

DATUM.--Land-surface datum is about 625 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.9 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 142.33 ft below land-surface datum, Mar. 9, 1976; lowest measured, 176.38 ft below land-surface datum, Aug. 26, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	174.63	FEB 21	174.57	APR 29	174.82	AUG 5	174.91

TISHOMINGO COUNTY--Continued

344228088173902. Local number, G041. (USCE 23N)

LOCATION.--Lat 34°42'28", long 88°17'39", Hydrologic Unit 06030005, NW¼ sec.30, T.4 S., R.10 E., 1.3 mi southeast of Halcut.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--McShan Sand Member of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in x 2 in, depth 200 ft.

DATUM.--Land-surface datum is about 600 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4.0 in pipe, 0.50 ft above land-surface datum.

PERIOD OF RECORD.--February 1972 to July 1983, March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 99.16 ft below land-surface datum, June 25, 1975; lowest measured, 163.85 ft below land-surface datum, Mar. 28, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	161.82	FEB 21	161.99	APR 29	162.45	AUG 5	161.85

344228088173903. Local number, G042. (USCE 230)

LOCATION.--Lat 34°42'28", long 88°17'39", Hydrologic Unit 03160101, NW¼ sec.30, T.4 S., R.10 E., 1.3 mi southeast of Halcut.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 60 ft, cased to 50 ft.

DATUM.--Land-surface datum is about 561 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.1 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.13 ft below land-surface datum, Dec. 4, 1975; lowest measured, dry, Feb. 15, 1981.

NOTE: Well reported dry since Feb. 15, 1981.

344356088185701. Local number, G043. (USCE 9DP171)

LOCATION.--Lat 34°43'56", long 88°18'57", Hydrologic Unit 06030005, NE¼ sec.14, T.4 S., R.9 E., 1.85 mi east of Cairo.

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 3.5 in, depth 379 ft.

DATUM.--Land-surface datum is about 552 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 3.5 in pipe, 1.40 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 126.95 ft below land-surface datum, Aug. 24, 1985; lowest measured, 129.09 ft below land-surface datum, Mar. 8, 1985.

344244088174401. Local number, G078. (USCE 6DP162A)

LOCATION.--Lat 34°42'44", long 88°17'44", Hydrologic Unit 06030005, SE¼ sec.24, T.4 S., R.9 E., 3.1 mi southeast of Cairo.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4.0 in, depth 332 ft.

DATUM.--Land-surface datum is about 590 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4.0 in pipe, 0.75 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 141.78 ft below land-surface datum, Aug. 24, 1985; lowest measured, 145.20 ft below land-surface datum, May 29, 1985.

344244088174402. Local number, G079. (USCE 6DP163)

LOCATION.--Lat 34°42'44", long 88°17'44", Hydrologic Unit 06030005, SE¼ sec.24, T.4 S., R.9 E., 2 mi southeast of New Lebanon Church.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4.0 in, depth 222 ft.

DATUM.--Land-surface datum is about 590 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4.0 in pipe, 1.40 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 143.48 ft below land-surface datum, May 29, 1985; lowest measured, 146.26 ft below land-surface datum, Mar. 8, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	145.46	FEB 21	145.56	APR 29	145.04	AUG 5	144.02

TISHOMINGO COUNTY--Continued

344244088174403. Local number, G080. (USCE 6DP164)

LOCATION.--Lat 34°42'44", long 88°17'44", Hydrologic Unit 06030005, SE¼SE¼ sec.24, T.4 S., R.9 E., 2 mi southeast New Labanon Church.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4.0 in, depth 125 ft.

DATUM.--Land-surface datum is about 590 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4.0 in pipe, 1.8 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 98.90 ft below land-surface datum, Mar. 8, 1985; lowest measured, dry, May 29, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	DRY	FEB 21	DRY	APR 29	DRY	AUG 5	DRY

344244088174404. Local number, G081. (USCE 6DP165)

LOCATION.--Lat 34°42'44", long 88°17'44", Hydrologic Unit 06030005, SE¼SE¼ sec.24, T.4 S., R.9 E., 3.1 mi southeast of Cairo.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3.0 in, depth 73 ft.

DATUM.--Land-surface datum is about 573 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 3.0 in pipe, 1.80 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--

344606088161303. Local number, G085. (USCE NE1-3)

LOCATION.--Lat 34°46'06", long 88°16'13", Hydrologic Unit 06030005, NE¼NW¼ sec.5, T.4 S., R.10 E., 5.7 mi southeast of Burnsville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3.0 in, depth 65 ft.

DATUM.--Land-surface datum is about 495 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 3.0 in pipe, 3.20 ft above land-surface datum.

PERIOD OF RECORD.--June 1980, February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.57 ft above land-surface datum, May 23, 1985; lowest measured, 2.40 ft above land-surface datum, Feb. 21, 1985.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 24	4.30	APR 30	3.96	AUG 6	3.54

344328088144401. Local number, G086. (USCE ME1-1)

LOCATION.--Lat 34°43'28", long 88°14'44", Hydrologic Unit 06030005, NE¼NE¼ sec.21, T.4 S., R.10 E., 6 mi north of Tishomingo.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 204 ft.

DATUM.--Land-surface datum is about 590 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.20 ft above land-surface datum.

PERIOD OF RECORD.--July 1980, February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 50.15 ft below land-surface datum, May 23, 1985; lowest measured, 52.0 ft below land-surface datum, July 15, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	50.44	FEB 26	50.31	APR 30	50.92

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

TISHOMINGO COUNTY--Continued

344328088144402. Local number, G087. (USCE ME1-2)

LOCATION.--Lat 34°43'28", long 88°14'44", Hydrologic Unit 06030006, NE¼NE¼ sec.21, T.4 S., R.10 E., 6 mi north of Tishomingo.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 129 ft.

DATUM.--Land-surface datum is about 560 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.10 ft above land-surface datum.

PERIOD OF RECORD.--July 1980, February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.00 ft below land-surface datum, May 23, 1985; lowest measured, 43.0 ft below land-surface datum, July 15, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	41.29	FEB 26	41.38	APR 30	41.90	AUG 6	42.53

344328088144403. Local number, G088. (USCE ME1-3)

LOCATION.--Lat 34°43'28", long 88°14'44", Hydrologic Unit 06030006, NE¼NE¼ sec.21, T.4 S., R.10 E., 6.7 mi south-west of Iuka.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 71 ft.

DATUM.--Land-surface datum is about 560 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.10 ft above land-surface datum.

PERIOD OF RECORD.--July 1980, February 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.57 ft below land-surface datum, Feb. 21, 1985; lowest measured, 44.0 ft below land-surface datum, July 15, 1980.

344347088131701. Local number, G092. (USCE ME2-1)

LOCATION.--Lat 34°43'47", long 88°13'17", Hydrologic Unit 06030006, NW¼SW¼ sec.14, T.4 S., R.10 E., 6.65 mi north of Tishomingo.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 162 ft.

DATUM.--Land-surface datum is about 560 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.90 ft above land-surface datum.

PERIOD OF RECORD.--July 1980, February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.36 ft below land-surface datum, May 23, 1985; lowest measured, 30.0 ft below land-surface datum, July 16, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	28.78	FEB 26	29.14	APR 30	29.26	AUG 6	29.70

344347088131702. Local number, G093. (USCE ME2-2)

LOCATION.--Lat 34°43'47", long 88°13'17", Hydrologic Unit 06030006, NW¼SW¼ sec.14, T.4 S., R.10 E., 6.65 mi north of Tishomingo.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 67 ft.

DATUM.--Land-surface datum is about 560 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.45 ft above land-surface datum.

PERIOD OF RECORD.--July 1980, February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.80 ft below land-surface datum, Feb. 21, 1985; lowest measured, 11.32 ft below land-surface datum, Aug. 6, 1986

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	9.27	FEB 26	10.01	APR 30	10.71	AUG 6	11.32

TISHOMINGO COUNTY--Continued

344358088115401. Local number, G094. (USCE ME3-1)

LOCATION.--Lat 34°43'58", long 88°11'54", Hydrologic Unit 06030006, SW¼NE¼ sec.13, T.4 S., R.10 E., 3 mi south of Iuka.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 466 ft.

DATUM.--Land-surface datum is about 517 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.90 ft above land-surface datum.

PERIOD OF RECORD.--July 1980, February 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.44 ft below land-surface datum, May 23, 1985; lowest measured, 31.0 ft below land-surface datum, July 16, 1980.

344358088115402. Local number, G095. (USCE ME3-2)

LOCATION.--Lat 34°43'58", long 88°11'54", Hydrologic Unit 06030006, SW¼NE¼ sec.13, T.4 S., R.10 E., 3 mi south of Iuka.

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 1.5 in, depth 93 ft.

DATUM.--Land-surface datum is about 517 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.90 ft above land-surface datum.

PERIOD OF RECORD.--July 1980, February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.02 ft below land-surface datum, Feb. 26, 1986; lowest measured, 16.47 ft below land-surface datum, Aug. 6, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	14.63	FEB 26	14.02	ARR 30	14.36	AUG 6	16.47

344131088132001. Local number, G099. (USCE SE1-1)

LOCATION.--Lat 34°41'31", long 88°13'20", Hydrologic Unit 06030006, SW¼NW¼ sec.35, T.4 S., R.10 E., 3.8 mi north of Tishomingo.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 344 ft.

DATUM.--Land-surface datum is about 560 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.30 ft above land-surface datum.

PERIOD OF RECORD.--July 1980, February 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 45.0 ft below land-surface datum, July 14, 1980; lowest measured, 52.13 ft below land-surface datum, Feb. 21, 1985.

344131088132002. Local number, G100. (USCE SE1-2)

LOCATION.--Lat 34°41'31", long 88°13'20", Hydrologic Unit 06030006, SW¼NW¼ sec.35, T.4 S., R.10 E., 3.8 mi north of Tishomingo.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 218 ft.

DATUM.--Land-surface datum is about 560 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.70 ft above land-surface datum.

PERIOD OF RECORD.--July 1980, February to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 48.65 ft below land-surface datum, Nov. 20, 1985; lowest measured, 58.0 ft below land-surface datum, July 14, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	48.65	FEB 26	55.34	APR 30	56.40	AUG 6	56.94

344131088132003. Local number, G101. (USCE SE1-3)

LOCATION.--Lat 34°41'31", long 88°13'20", Hydrologic Unit 06030006, SW¼NW¼ sec.35, T.4 S., R.10 E., 3.85 mi north of Tishomingo.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--McShan Sand Member of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 130 ft.

DATUM.--Land-surface datum is about 560 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.10 ft above land-surface datum.

PERIOD OF RECORD.--July 1980, February 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.10 ft below land-surface datum, Aug. 21, 1985; lowest measured, 45.88 ft below land-surface datum, Feb. 21, 1985.

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

TISHOMINGO COUNTY--Continued

344131088132004. Local number, G102. (USCE SE1-4)

LOCATION.--Lat 34°41'31", long 88°13'20", Hydrologic Unit 06030006, SW¼NW¼ sec.35, T.4 S., R.10 E., 3.8 mi north of Tishomingo.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 73 ft.

DATUM.--Land-surface datum is about 560 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.30 ft above land-surface datum.

PERIOD OF RECORD.--July 1980, February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.54 ft below land-surface datum, Feb. 21, 1985; lowest measured, 45.31 ft below land-surface datum, Aug. 6, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	44.43	FEB 26	44.81	APR 30	45.01	AUG 6	45.31

344207088122001. Local number, G103. (USCE SE2-1)

LOCATION.--Lat 34°42'07", long 88°12'20", Hydrologic Unit 06030005, NW¼SW¼ sec.25, T.4 S., R.10 E., 4.8 mi north of Tishomingo.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 341 ft.

DATUM.--Land-surface datum is about 580 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 104.95 ft below land-surface datum, May 23, 1985; lowest measured, 105.27 ft below land-surface datum, Aug. 21, 1985.

344207088122002. Local number, G104. (USCE SE2-2)

LOCATION.--Lat 34°42'07", long 88°12'20", Hydrologic Unit 06030006, NW¼SW¼ sec.25, T.4 S., R.10 E., 4.7 mi northeast of Tishomingo.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 183 ft.

DATUM.--Land-surface datum is about 580 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.70 ft above land-surface datum.

PERIOD OF RECORD.--July 1980, February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.93 ft below land-surface datum, Aug. 21, 1985; lowest measured, 69.0 ft below land-surface datum, July 16, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	62.00	FEB 26	62.23	APR 30	62.54	AUG 6	63.00

344207088122003. Local number, G105. (USCE SE2-3)

LOCATION.--Lat 34°42'07", long 88°12'20", Hydrologic Unit 06030006, NW¼SW¼ sec.25, T.4 S., R.10 E., 4.8 mi north of Tishomingo.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--MsShan Sand Member of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 137 ft.

DATUM.--Land-surface datum is about 580 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.80 ft above land-surface datum.

PERIOD OF RECORD.--July 1980, February 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 66.49 ft below land-surface datum, May 23, 1985; lowest measured, 69.0 ft below land-surface datum, July 16, 1980.

TISHOMINGO COUNTY--Continued

344207088122004. Local number, G106. (USCE SE2-4)

LOCATION.--Lat 34°42'07", long 88°12'20", Hydrologic Unit 06030006, NW¼SW¼ sec.25, T.4 S., R.10 E., 4.8 mi north of Tishomingo.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 103 ft.

DATUM.--Land-surface datum is about 580 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.0 ft above land-surface datum.

PERIOD OF RECORD.--July 1980, February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 45.27 ft below land-surface datum, Aug. 21, 1985; lowest measured, 47.66 ft below land-surface datum, Feb. 21, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	47.63	FEB 26	47.95	APR 30	48.05	AUG 6	48.37

344436088190301. Local number, G110. (USCE 2DP143)

LOCATION.--Lat 34°44'36", long 88°19'03", Hydrologic Unit 06030005, SE¼SW¼ sec.11, T.4 S., R.9 E., 2.5 mi north of Paden.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3.2 in, depth 647 ft.

DATUM.--Land-surface datum is about 500 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 3.2 in pipe, 3.15 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 102.27 ft below land-surface datum, Aug. 24, 1985; lowest measured, 103.94 ft below land-surface datum, Mar. 8, 1985.

344436088190302. Local number, G111. (USCE 2DP144A)

LOCATION.--Lat 34°44'36", long 88°19'03", Hydrologic Unit 06030005, SE¼SW¼ sec.11, T.4 S., R.9 E., 1.9 mi northeast of Cairo.

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 3.2 in, depth 270 ft.

DATUM.--Land-surface datum is about 500 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 3.2 in pipe, 3.85 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 86.83 ft below land-surface datum, May 29, 1985; lowest measured, 91.42 ft below land-surface datum, Mar. 8, 1985.

344436088190303. Local number, G112. (USCE 2DP147)

LOCATION.--Lat 34°44'36", long 88°19'03", Hydrologic Unit 03060005, SE¼SW¼ sec.11, T.4 S., R.9 E., 0.5 mi south of Burnsville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3.0 in, depth 165 ft.

DATUM.--Land-surface datum is about 500 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 3.0 in pipe, 2.70 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 88.39 ft below land-surface datum, May 29, 1985; lowest measured, 92.89 ft below land-surface datum, Mar. 8, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	91.87	FEB 21	91.92	APR 29	91.07	AUG 5	89.31

TISHOMINGO COUNTY--Continued

344436088190304. Local number, G113. (USCE 2DP148)

LOCATION.--Lat 34°44'36", long 88°19'03", Hydrologic Unit 06030005, SE¼SW¼ sec.11, T.4 S., R.9 E., 0.5 mi south of Burnsville.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3.0 in, depth 130 ft.

DATUM.--Land-surface datum is about 500 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 3.0 in pipe, 2.80 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 89.26 ft below land-surface datum, May 29, 1985; lowest measured, 93.76 ft below land-surface datum, Mar. 8, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	92.77	FEB 21	92.90	APR 29	92.06	AUG 5	90.29

344436088190305. Local number, G114. (USCE 2DP149A)

LOCATION.--Lat 34°44'36", long 88°19'03", Hydrologic Unit 06030005, SE¼SW¼ sec.11, T.R S., R.9 E., 1.9 mi northeast of Cairo.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3.2 in, depth 100 ft.

DATUM.--Land-surface datum is about 506 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 3.2 in pipe, 3.60 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 78.07 ft below land-surface datum, May 29, 1985; lowest measured, 79.59 ft below land-surface datum.

344104088171601. Local number, G115. (USCE 4DP155)

LOCATION.--Lat 34°41'04", long 88°17'16", Hydrologic Unit 06030005, SE¼SW¼ sec.31, T.4 S., R.10 E., 2.5 mi north of Paden.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3.2 in, depth 231 ft.

DATUM.--Land-surface datum is about 500 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 3.2 in pipe, 3.40 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.49 ft below land-surface datum, May 28, 1985; lowest measured, 52.62 ft below land-surface datum, Mar. 8, 1985.

344104088171602. Local number, G116. (USCE 4DP156)

LOCATION.--Lat 34°41'04", long 88°17'16", Hydrologic Unit 06030006, SE¼SW¼ sec.31, T.4 S., R.10 E., 4.2 mi north-west of Paden.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3.5 in, depth 153 ft.

DATUM.--Land-surface datum is about 500 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 3.5 in pipe, 2.40 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.26 ft below land-surface datum, May 28, 1985; lowest measured, 52.89 ft below land-surface datum, Mar. 8, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	52.29	FEB 21	52.45	APR 29	52.23	AUG 5	51.72

344104088171603. Local number, G117. (USCE 4DP157)

LOCATION.--Lat 34°41'04", long 88°17'16", Hydrologic Unit 06030006, SE¼SW¼ sec.31, T.4 S., R.10 E., 4.2 mi north-west of Paden.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4.0 in, depth 94 ft.

DATUM.--Land-surface datum is about 500 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4.0 in pipe, 2.95 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.02 ft below land-surface datum, May 28, 1985; lowest measured, 61.81 ft below land-surface datum, Mar. 8, 1985.

TISHOMINGO COUNTY--Continued

344104088171604. Local number, G118. (USCE 4DP158)

LOCATION.--Lat 34°41'04", long 88°17'16", Hydrologic Unit 06030006, SE¼SW¼ sec.31, T.4 S., R.10 E., 4.2 mi north-west of Paden.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4.0 in, depth 56 ft.

DATUM.--Land-surface datum is about 500 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4.0 in pipe, 2.95 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.77 ft below land-surface datum, May 28, 1985; lowest measured, 52.29 ft below land-surface datum, Nov. 20, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	52.29	FEB 21	45.36	APR 29	45.99	AUG 5	45.57

344356088185702. Local number, G120. (USCE 9DP172)

LOCATION.--Lat 34°43'56", long 88°18'57", Hydrologic Unit 06030005, NE¼SE¼ sec.14, T.4 S., R.9 E., 1.9 mi east of Cairo.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4.0 in, depth 255 ft.

DATUM.--Land-surface datum is about 560 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4.0 in pipe, 1.15 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 123.41 ft below land-surface datum, Mar. 8, 1985; lowest measured, 125.18 ft below land-surface datum, Aug. 24, 1985.

344356088185703. Local number, G121. (USCE 9DP173)

LOCATION.--Lat 34°43'56", long 88°18'57", Hydrologic Unit 06030005, NE¼SE¼ sec.14, T.4 S., R.9 E., 1 mi northeast of New Lebanon Church.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4.0 in, depth 220 ft.

DATUM.--Land-surface datum is about 560 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4.0 in pipe, 1.30 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 120.17 ft below land-surface datum, May 29, 1985; lowest measured, 127.96 ft below land-surface datum, Apr. 29, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	124.90	FEB 21	127.59	APR 29	127.96	AUG 5	127.78

344356088185704. Local number, G122. (USCE 9DP174)

LOCATION.--Lat 34°43'56", long 88°18'57", Hydrologic Unit 06030005, NE¼SE¼ sec.14, T.4 S., R.9 E., 1 mi northeast of New Lebanon Church.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4.0 in, depth 163 ft.

DATUM.--Land-surface datum is about 560 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4.0 in pipe, 1.35 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 90.09 ft below land-surface datum, Mar. 8, 1985; lowest measured, 93.22 ft below land-surface datum, Apr. 29, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	92.99	FEB 21	93.15	APR 29	93.22	AUG 5	93.17

TISHOMINGO COUNTY--Continued

344041088164401. Local number, J008. (USCE 33A)

LOCATION.--Lat 34°40'41", long 88°16'44", Hydrologic Unit 03160101, SE¼NE¼ sec.6, T.5 S., R.9 E., 1.3 mi southwest of Paden.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 172 ft, cased to 162 ft.

DATUM.--Land-surface datum is about 515 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.5 ft above land-surface datum.

PERIOD OF RECORD.--August 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.54 ft below land-surface datum, May 23, 1974; lowest measured, 74.63 ft below land-surface datum, Aug. 3, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	62.30	FEB 25	62.65	APR 30	62.67	AUG 6	62.62

343936088161901. Local number, J010.

LOCATION.--Lat 34°39'36", long 88°16'19", Hydrologic Unit 03160101, NW¼SE¼ sec.8, T.5 S., R.10 E., in Paden.

Owner: Irwin Schwabe Co.

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, cased to 165 ft.

DATUM.--Land-surface datum is about 420 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.69 ft above land-surface datum.

PERIOD OF RECORD.--July 1971 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.2 ft above land-surface datum, Mar. 13, 1974; lowest measured, 3.37 ft below land-surface datum, Nov. 18, 1981.

344053088161202. Local number, J013. (USCE 34A)

LOCATION.--Lat 34°40'53", long 88°16'12", Hydrologic Unit 03160101, NE¼NW¼ sec.5, T.5 S., R.10 E., 1.8 mi north of Paden.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 266 ft, cased to 256 ft.

DATUM.--Land-surface datum is about 560 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.0 ft above land-surface datum.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 82.17 ft below land-surface datum, Mar. 13, 1974; lowest recorded, 117.63 ft below land-surface datum, Aug. 5, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	101.29	FEB 25	101.62	APR 30	101.50	AUG 6	101.20

344053088161203. Local number, J014. (USCE 34B)

LOCATION.--Lat 34°40'53", long 88°16'12", Hydrologic Unit 03160101, NE¼NW¼ sec.5, T.5 S., R.10 E., 1.8 mi north of Paden.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 134 ft, cased to 129 ft.

DATUM.--Land-surface datum is about 560 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.65 ft above land-surface datum.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 69.67 ft below land-surface datum, May 23, 1974; lowest recorded, 77.81 ft below land-surface datum, Nov. 26, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	74.75	FEB 25	75.11	APR 30	75.35	AUG 6	75.76

TISHOMINGO COUNTY--Continued

344041088164402. Local number, J016. (USCE 33B)

LOCATION.--Lat 34°40'41", long 88°16'44", Hydrologic Unit 03160101, SE¼NE¼ sec.6, T.5 S., R.9 E., 1.3 mi northwest of Paden.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 90 ft, cased to 85 ft.

DATUM.--Land-surface datum is about 515 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.3 ft above land-surface datum.

PERIOD OF RECORD.--August 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 49.93 ft below land-surface datum, May 23, 1974; lowest measured, 61.43 ft below land-surface datum, Aug. 22, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	58.52	FEB 25	59.15	APR 30	58.99	AUG 6	59.47

344041088164403. Local number, J017. (USCE 33C)

LOCATION.--Lat 34°40'41", long 88°16'44", Hydrologic Unit 03160101, SE¼NE¼ sec.6, T.5 S., R.9 E., 1.3 mi northwest of Paden.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in, depth 212 ft, cased to 192 ft.

DATUM.--Land-surface datum is about 515 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.5 ft above land-surface datum.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR THE PERIOD OF RECORD.--Highest water level measured, 42.20 ft below land-surface datum, Apr. 9, 1974; lowest measured, 91.80 ft below land-surface datum, Nov. 6, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	64.68	FEB 25	64.93	APR 30	64.85	AUG 6	64.56

344017088180402. Local number, J018. (USCE 31A)

LOCATION.--Lat 34°40'17", long 88°18'04", Hydrologic Unit 03160101, SW¼SE¼ sec.10, T.5 S., R.9 E., 2.0 mi northwest of Paden.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 178 ft, cased to 158 ft.

DATUM.--Land-surface datum is about 473 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.2 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.85 ft below land-surface datum, May 23, 1974; lowest measured, 44.18 ft below land-surface datum, Jan. 25, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	35.38	FEB 21	35.36	APR 29	35.52	AUG 5	35.64

344017088180403. Local number, J019. (USCE 31B)

LOCATION.--Lat 34°40'17", long 88°18'04", Hydrologic Unit 03160101, SW¼SE¼ sec.10, T.5 S., R.9 E., 2.0 mi northwest of Paden.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 74 ft, cased to 64 ft.

DATUM.--Land-surface datum is about 473 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.6 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.80 ft below land-surface datum, May 20, 1975; lowest recorded, 13.33 ft below land-surface datum, Nov. 25, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	11.80	FEB 21	12.00	APR 29	12.20	AUG 5	12.72

TISHOMINGO COUNTY--Continued

344041088172602. Local number, J020. (USCE 32A)

LOCATION.--Lat 34°40'41", long 88°17'26", Hydrologic Unit 03160101, NW¼NW¼ sec.6, T.5 S., R.10 E., 1.9 mi northwest of Paden.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 240 ft, cased to 230 ft.

DATUM.--Land-surface datum is about 530 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.3 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 62.90 ft below land-surface datum, June 9, 1976; lowest measured, 106.69 ft below land-surface datum, Oct. 25, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	85.64	FEB 21	85.76	APR 29	85.74	AUG 5	85.48

344041088172603. Local number, J021. (USCE 32B)

LOCATION.--Lat 34°40'41", long 88°17'26", Hydrologic Unit 03160101, NW¼NW¼ sec.6, T.5 S., R.10 E., 1.9 mi northwest of Paden.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 112 ft, cased to 102 ft.

DATUM.--Land-surface datum is about 530 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.6 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.33 ft below land-surface datum, Apr. 26, 1973; lowest measured, 76.29 ft below land-surface datum, Nov. 17, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	75.09	FEB 21	75.27	APR 29	75.38	AUG 5	75.35

343950088184302. Local number, J066. (USCE SW1-2)

LOCATION.--Lat 34°39'50", long 88°18'43", Hydrologic Unit 03160101, NW¼NW¼ sec.12, T.5 S., R.9 E., 2.75 mi west of Paden.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 150 ft.

DATUM.--Land-surface datum is about 550 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.15 ft above land-surface datum.

PERIOD OF RECORD.--October 1977, February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 86.15 ft below land-surface datum, May 23, 1985; lowest measured, 90.0 ft below land-surface datum, Oct. 5, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	87.62	FEB 21	88.60	APR 29	88.63	AUG 5	89.30

343950088184303. Local number, J067. (USCE SW1-3)

LOCATION.--Lat 34°39'50", long 88°18'43", Hydrologic Unit 03160101, NW¼NW¼ sec.12, T.5 S., R.9 E., 2.75 mi west of Paden.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 75 ft.

DATUM.--Land-surface datum is about 550 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.30 ft above land-surface datum.

PERIOD OF RECORD.--October 1977, February 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 67.87 ft below land-surface datum, Nov. 30, 1982; lowest measured, 70.0 ft below land-surface datum, Oct. 10, 1977.

TISHOMINGO COUNTY--Continued

343949088184201. Local number, J075. (USCE SW1-1)

LOCATION.--Lat 34°39'49", long 88°18'42", Hydrologic Unit 03160101, SW¼ sec.12, T.5 S., R.9 E., 2.75 mi west of Paden.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 264 ft.

DATUM.--Land-surface datum is about 550 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.20 ft above land-surface datum.

PERIOD OF RECORD.--July 1980, February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 102.80 ft below land-surface datum, May 28, 1985; lowest measured, 104.04 ft below land-surface datum, Aug. 5, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	103.42	FEB 21	103.16	APR 29	103.59	AUG 5	104.04

343923088162001. Local number, J076. (USCE SDP159)

LOCATION.--Lat 34°39'23", long 88°16'20", Hydrologic Unit 03160101, NE¼ sec.8, T.5 S., R.10 E., 0.4 mi north of Paden.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4.0 in, depth 148 ft.

DATUM.--Land-surface datum is about 440 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4.0 in pipe, 0.87 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.07 ft above land-surface datum, May 28, 1985; lowest measured, 2.30 ft above land-surface datum, Mar. 8, 1985.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	6.88	FEB 21	6.77	APR 29	6.88	AUG 5	7.25

343923088162002. Local number, J077. (USCE SDP160)

LOCATION.--Lat 34°39'23", long 88°16'20", Hydrologic Unit 03160101, NE¼ sec.8, T.5 S., R.10 E., 0.4 mi north of Paden.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3.0 in, depth 60 ft.

DATUM.--Land-surface datum is about 440 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 3.0 in pipe, 1.25 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.74 ft below land-surface datum, May 28, 1985; lowest measured, 16.59 ft below land-surface datum, Feb. 21, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	16.15	FEB 21	16.59	APR 29	15.85	AUG 5	14.58

343923088162003. Local number, J078. (USCE SDP161)

LOCATION.--Lat 34°39'23", long 88°16'20", Hydrologic Unit 03160101, NE¼ sec.8, T.5 S., R.10 E., 0.4 mi north of Paden.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 3.0 in, depth 34 ft.

DATUM.--Land-surface datum is about 440 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 3.0 in pipe, 1.30 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.60 ft below land-surface datum, May 28, 1985; lowest measured, 16.29 ft below land-surface datum, Mar. 8, 1985.

TISHOMINGO COUNTY--Continued

343918088150501. Local number, J079. (USCE E1-1)

LOCATION.--Lat 34°39'18", long 88°15'05", Hydrologic Unit 03160101, SW¼SE¼ sec.9, T.5 S., R.10 E., 0.75 mi east of Paden.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 348 ft.

DATUM.--Land-surface datum is about 520 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to August 1985 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.50 ft below land-surface datum, May 22, 1985; lowest measured, 46.61 ft below land-surface datum, Aug. 21, 1985.

343918088150502. Local number, J080. (USCE E1-2)

LOCATION.--Lat 34°39'18", long 88°15'05", Hydrologic Unit 03160101, SW¼SE¼ sec.9, T.5 S., R.10 E., 0.75 mi east of Paden.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 131 ft.

DATUM.--Land-surface datum is about 520 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.35 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.70 ft below land-surface datum, Feb. 25, 1986; lowest measured, 59.28 ft below land-surface datum, Aug. 6, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	58.24	FEB 25	43.70	APR 30	45.74	AUG 6	59.28

343918088150503. Local number, J081. (USCE E1-3)

LOCATION.--Lat 34°39'18", long 88°15'05", Hydrologic Unit 03160101, SW¼SE¼ sec.9, T.5 S., R.10 E., 0.75 mi east of Paden.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 1.5 in, depth 102 ft.

DATUM.--Land-surface datum is about 520 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.5 in pipe, 2.90 ft above land-surface datum.

PERIOD OF RECORD.--February 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 62.59 ft below land-surface datum, May 22, 1985; lowest measured, 65.61 ft below land-surface datum, Aug. 6, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	63.65	FEB 25	64.37	APR 30	64.64	AUG 6	65.61

342854088194101. Local number, L029. (USCE 54A)

LOCATION.--Lat 34°28'54", long 88°19'41", Hydrologic Unit 03160101, SW¼SW¼ sec.11, T.7 S., R.9 E., 15.8 mi south-east of Baldwin.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 27 ft, cased to 22 ft.

DATUM.--Land-surface datum is about 332 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.9 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.87 ft above land-surface datum, May 20, 1983; lowest recorded, 9.91 ft below land-surface datum, Nov. 20, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	0.38	FEB 26	0.13	MAY 1	1.56	AUG 7	2.39

TISHOMINGO COUNTY--Continued

342844088184701. Local number, L030. (USCE 55A)

LOCATION.--Lat 34°28'44", long 88°18'47", Hydrologic Unit 03160101, SE¼SE¼ sec.11, T.7 S., R.9 E., 7 mi west of Golden.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 50 ft, cased to 45 ft.

DATUM.--Land-surface datum is about 380 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.3 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest year level measured, 20.08 ft below land-surface datum, Jan. 8-13, 1976; lowest recorded, 23.00 ft below land-surface datum, Oct. 5, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	21.60	FEB 26	21.16	MAY 1	21.86	AUG 6	22.73

343150088183703. Local number, L032. (USCE 45B)

LOCATION.--Lat 34°31'50", long 88°18'37", Hydrologic Unit 03160101, SW¼NW¼ sec.25, T.6 S., R.9 E., 8.5 mi southwest of Tishomingo.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--McShan Sand member of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 76 ft, cased to 66 ft.

DATUM.--Land-surface datum is about 485 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.4 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 52.40 ft below land-surface datum, Jan. 25, 1979; lowest measured, 57.46 ft below land-surface datum, Nov. 17, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 13	55.53	FEB 25	56.08	APR 30	56.14	AUG 6	56.77

342854088194102. Local number, L033. (USCE 54B)

LOCATION.--Lat 34°28'54", long 88°19'47", Hydrologic Unit 03160101, SW¼SE¼ sec.11, T.7 S., R.9 E., 15.8 mi south-east of Baldwyn.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 12 ft.

DATUM.--Land-surface datum is about 332 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.3 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.21 ft above land-surface datum, Mar. 9, 1983; lowest measured, 10.24 ft below land-surface datum, Nov. 19, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	0.42	FEB 26	0.46	MAY 1	2.10	AUG 7	3.14

342854088194103. Local number, L034. (USCE 54C)

LOCATION.--Lat 34°28'40", long 88°19'41", Hydrologic Unit 03160101, SW¼SW¼ sec.11, T.7 S., R.9 E., 8.1 mi west of Golden.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in, depth 13 ft, cased to 8 ft.

DATUM.--Land-surface datum is about 333 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.4 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.75 ft above land-surface datum, Aug. 29, 1985; lowest measured, 10.75 ft below land-surface datum, Nov. 19, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	0.82	FEB 26	0.70	MAY 1	2.00	AUG 6	3.00

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

TISHOMINGO COUNTY--Continued

343009088191201. Local number, L051. (USCE GW125)

LOCATION.--Lat 34°30'09", long 88°19'12", Hydrologic Unit 03160101, SE¼NE¼ sec.2, T.7 S., R.9 E., 2 mi south of Bay Springs Lock and Dam.

Owner: U. S. Army Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 2.0 in, depth 17 ft.

DATUM.--Land-surface datum is 367.1 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2.0 in pipe, 2.50 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.15 ft below land-surface datum, Mar. 6, 1985; lowest measured, 11.05 ft below land-surface datum, Aug. 6, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 3	7.82	FEB 26	4.88	MAY 1	9.67	AUG 6	11.05

Analyses of samples collected statewide are given in the following tables. The analyses are grouped by counties in a project area, therefore, the analyses of samples from wells within a given county may be presented in separate tables.

AQUIFER NAMES CORRESPONDING TO GEOLOGIC UNITS LISTED IN THE QUALITY OF GROUND-WATER TABLES 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
123YKBG	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
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
GROUND WATER DATA COLLECTION PROJECT

LOCAL IDENT- I- FIER	STATION	NUMBER	GEO- LOGIC UNIT	DATE	TIME	SAMPLE SOURCE	SAM- PLING CONDI- TION	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DEPTH OF WELL, TOTAL (FEET)
ATTALA COUNTY									
L039 MCADAMS W A (TEST WELL)	330127089413001	124WLCXL	12-04-85	1400	1	8.00	37.12	1392.00	
L040 MCADAMS W A (TEST WELL)	330127089413002	124WLCXM	12-11-85	0900	1	8.00	45.30	750.00	
L042 MCADAMS W A	330127089413003	124WLCXL	07-31-86	1330	1	8.00	--	1379.00	
HARRISON COUNTY									
L654 DOLAN TRAILER PK	302410089073101	122PCGL	04-30-86	1400	1	4.00	-46.8	1690.00	
M711 JOHN SHERMAN	302812088592101	122PCGL	05-01-86	0900	5	4.00	--	1493.00	
JACKSON COUNTY									
J164 W JACKSON WASTE	302957088475801	121CRNL	05-01-86	1000	30	8.00	--	140.00	
J166 REEVES CONST	302940088483201	122PCGL	05-01-86	1130	30	8.00	13.32	1045.00	
LAMAR COUNTY									
E217 CANEBRAKE	311934089271002	122CTHL	05-01-86	1500	1	8.00	232.10	1254.00	
RANKIN COUNTY									
A023 PEARL R WTR DIST	323005089545001	124SPRT	02-20-86	1900	1	8.00	144.10	925.00	
WARREN COUNTY									
E019 VICKSBURG NO 11	322433090530201	112MRVA	02-05-86	1300	--	8.00	14.33	--	

QUALITY OF GROUND WATER

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GROUND WATER DATA COLLECTION PROJECT--Continued

LOCAL IDENT- I- FIER	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	PUMP OR FLOW PERIOD PRIOR TO SAM- PLING (MIN)	FLOW RATE, INSTAN- TANEOUS (GPM)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	HARD- NESS (MG/L AS CAC03)
ATTALA COUNTY								
L039 MCADAMS W A (TEST WELL)	335	1560	10	500	8.30	24.5	--	2
L040 MCADAMS W A (TEST WELL)	335	960	65	260	7.20	24.0	10	83
L042 MCADAMS W A	337	5760	60	500	8.40	30.5	40	1
HARRISON COUNTY								
L654 DOLAN TRAILER PK	17.0	60	E125	345	8.40	31.0	5	6
M711 JOHN SHERMAN	50.0	120	25	1200	8.50	30.0	20	10
JACKSON COUNTY								
J164 W JACKSON WASTE	55.0	60	30	<50	5.90	20.5	<5	5
J166 REEVES CONST	52.0	60	60	530	8.40	26.5	15	3
LAMAR COUNTY								
E217 CANEBRAKE	360	60	269	330	8.60	27.0	5	8
RANKIN COUNTY								
A023 PEARL R WTR DIST	308	1320	131	400	8.20	27.0	10	2
WARREN COUNTY								
E019 VICKSBURG NO 11	83.0	300	1020	520	6.70	18.5	15	240

QUALITY OF GROUND WATER

GROUND WATER DATA COLLECTION PROJECT--Continued

LOCAL IDENT- I- FIER	HARD- NESS NONCARB WH WAT TOT FLD MG/L AS CACO3	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY LAB (MG/L AS CACO3)
ATTALA COUNTY								
L039 MCADAMS W A (TEST WELL)	--	0.8	0.1	130	99	38	1.3	263
L040 MCADAMS W A (TEST WELL)	--	26	4.3	21	34	1	3.5	125
L042 MCADAMS W A	--	0.12	0.12	130	99	67	0.89	276
HARRISON COUNTY								
L654 DOLAN TRAILER PK	--	2.0	0.13	83	97	16	0.63	167
M711 JOHN SHERMAN	--	3.0	0.51	270	98	40	1.8	289
JACKSON COUNTY								
J164 W JACKSON WASTE	0	1.0	0.71	3.3	35	0.6	6.1	5.4
J166 REEVES CONST	--	1.0	0.12	120	98	32	0.92	180
LAMAR COUNTY								
E217 CANEBRAKE	--	3.0	0.21	71	94	11	1.1	148
RANKIN COUNTY								
A023 PEARL R WTR DIST	--	0.6	0.1	100	99	33	0.8	222
WARREN COUNTY								
E019 VICKSBURG NO 11	--	64	20	18	14	0.5	1.7	264

QUALITY OF GROUND WATER
GROUND WATER DATA COLLECTION PROJECT--Continued

LOCAL IDENT- I- FIER	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
ATTALA COUNTY								
L039 MCADAMS W A (TEST WELL)	3.6	8.6	0.2	13	308	320	60	10
L040 MCADAMS W A (TEST WELL)	19	2.3	0.1	36	166	190	360	360
L042 MCADAMS W A	0.1	12	0.2	14	336	330	270	10
HARRISON COUNTY								
L654 DOLAN TRAILER PK	10	6.6	0.2	19	223	220	30	20
M711 JOHN SHERMAN	<0.1	230	0.5	19	703	--	10	30
JACKSON COUNTY								
J164 W JACKSON WASTE	<0.1	6.0	<0.1	12	30	--	10	<10
J166 REEVES CONST	4.4	60	0.3	21	331	320	<10	10
LAMAR COUNTY								
E217 CANEBRAKE	8.8	3.0	0.2	26	205	200	20	20
RANKIN COUNTY								
A023 PEARL R WTR DIST	5.8	3.4	0.2	34	270	280	60	10
WARREN COUNTY								
E019 VICKSBURG NO 11	5.8	10	0.3	33	312	320	7100	300

QUALITY OF GROUND WATER
TENNESSEE-TOMBIGBEE WATERWAY PROJECT

LOCAL IDENT- I- FIER	STATION	NUMBER	GEO- LOGIC UNIT	DATE	TIME	SAMPLE SOURCE	SAM- PLING CONDI- TION	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
ITAWAMBA COUNTY								
E005 USCE 65A	342301088230101	211GORD	05-15-86	1145	26	0.1	-1.44	
G065 USCE 67A	341610088264801	211GORD	05-21-86	0828	26	0.1	3.39	
MONROE COUNTY								
C059 USCE 95A	340054088281801	211GORD	05-20-86	1335	26	0.1	12.40	
C067 USCE 95B	340054088281802	110ALVM	05-20-86	1500	26	0.1	1.08	
H017 USCE TTMSA	335445088312501	211EUTW	05-21-86	1040	26	0.1	8.44	
H018 USCE TTMSB	335445088312502	110ALVM	05-21-86	1120	26	0.1	9.24	
L073 USCE TTM4A	334910088311501	211EUTW	05-21-86	1325	26	0.1	30.15	
L074 USCE TTM4B	334910088311502	110ALVM	05-21-86	1300	26	0.1	12.45	
PRENTISS COUNTY								
B034 THRASHER W A	344251088323001	211EUTW	05-12-86	1700	26	8.00	--	
F011 BOONEVILLE	343949088335301	211EUTWL	05-13-86	0930	26	8.00	--	
M020 USCE 51A	342917088212701	211GORD	05-14-86	1240	26	0.1	33.05	
M028 USCE GW123A	342838088215001	110ALVM	05-14-86	1425	26	0.1	4.39	
TISHOMINGO COUNTY								
D042 USCE 12C	344638088200104	211EUTWR	05-13-86	1613	26	0.1	57.01	
J014 USCE 34B	344053088161203	211EUTWR	05-15-86	0915	26	0.1	75.53	
J018 USCE 31A	344017088180402	211GORD	05-13-86	1340	26	8.00	35.13	
J019 USCE 31B	344017088180403	211EUTWR	05-13-86	1345	26	0.1	11.80	
L033 USCE 54B	342854088194102	110ALVM	05-14-86	1724	26	0.1	1.80	

QUALITY OF GROUND WATER
TENNESSEE-TOMBIGBEE WATERWAY PROJECT--Continued

LOCAL IDENT- IFIER	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	PUMP OR FLOW PERIOD PRIOR TO SAM- PLING (MIN)	FLOW RATE, INSTAN- TANEOUS (GPM)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)
ITAWAMBA COUNTY							
E005 USCE 65A	130.00	325	25	10	118	6.80	17.5
G065 USCE 67A	179.00	270	20	10	139	6.60	16.5
MONROE COUNTY							
C059 USCE 95A	166.00	220	30	5.0	142	8.50	18.0
C067 USCE 95B	20.00	220	30	5.0	70	5.80	17.5
H017 USCE TTM5A	90.00	200	30	10	122	7.20	17.0
H018 USCE TTM5B	26.00	200	25	10	100	6.00	17.0
L073 USCE TTM4A	177.00	200	20	10	201	7.00	18.5
L074 USCE TTM4B	26.00	200	15	10	60	5.80	17.5
PRENTISS COUNTY							
B034 THRASHER W A	514.00	520	15	100	278	7.10	18.5
F011 BOONEVILLE	486.00	495	150	100	300	7.80	18.5
M020 USCE 51A	64.00	356	40	10	118	8.00	16.5
M028 USCE GW123A	23.00	316	25	5.0	105	6.60	16.0
TISHOMINGO COUNTY							
D042 USCE 12C	88.50	485	55	--	150	6.80	17.5
J014 USCE 34B	134.00	560	30	10	31	7.00	16.5
J018 USCE 31A	178.00	473	30	10	120	8.80	17.0
J019 USCE 31B	74.00	473	40	10	50	6.90	17.0
L033 USCE 54B	12.00	332	30	5.0	46	5.60	15.5

QUALITY OF GROUND WATER

TENNESSEE-TOMBIGBEE WATERWAY PROJECT--Continued

LOCAL IDENT- I- FIER	STATION	NUMBER	DATE	TIME	SAMPLE SOURCE	SAM- PLING CONDI- TION
TISHOMINGO COUNTY						
J071 USCE 1704-A	343855088155380		11-22-85	1030	1004	0.11
DISPOSAL AREA WELL			05-14-86	0851	1004	0.11
J072 USCE 1704-B	343855088155381		11-22-85	1040	1004	0.11
DISPOSAL AREA WELL			05-14-86	0855	1004	0.11

LOCAL IDENT- I- FIER	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)
TISHOMINGO COUNTY						
J071 USCE 1704-A	21.60	32.00	440	420	4.90	18.0
DISPOSAL AREA WELL	22.15	32.00	440	360	5.30	17.0
J072 USCE 1704-B	10.22	21.00	440	850	5.50	17.5
DISPOSAL AREA WELL	11.38	21.00	440	850	5.40	15.5

QUALITY OF PRECIPITATION

Stations to collect precipitation-quality data are operated to provide concerned agencies vital information pertaining to variations in precipitation chemistry in selected areas of Mississippi. The types of data obtained may be used for precipitation quality assessments of state and national interest. 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. The collector is equipped with an automatic precipitation sensitive sensor which activates the motor to operate the sample vessel cover. The sample vessel remains uncovered for the duration of each precipitation event and covered during dry periods. Dryfall samples are not collected for analysis. The 3.4-gal sample collecting vessel has a 11.3-in. diameter opening. A standard 8.0-in. universal recording rain gage (weighing type) is used to obtain on-site precipitation records.

HANCOCK COUNTY

PRECIPITATION QUALITY STATION AT NSTL, MS

LOCATION.--Lat 30 21 55 , long 89 37 45 , in NW SW NW sec.8, T.8 S., R.16 W., St. Stephens Meridian, Hancock County, Hydrologic Unit 03180004, at the U.S. Geological Survey Hydrologic Instrument Facility located at NSTL.

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.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ATM DEP WET TOTAL FOR PERIOD (IN)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	DATE	ATM DEP WET TOTAL FOR PERIOD (IN)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)
OCT				MAR 25-			
01-08	0.0	--	--	APR 01	0.0	--	--
08-15	0.02	--	--	01-08	0.0	--	--
15-22	0.9	17	4.50	08-15	0.55	8	5.25
22-29	5.12	16	4.90	15-22	1.38	24	4.45
OCT 29-				22-29	0.04	54	4.15
NOV 05	1.60	18	4.50	APR 29-			
05-12	0.0	--	--	MAY 06	0.0	--	--
12-19	0.0	--	--	06-13	0.62	35	4.35
19-26	0.0	--	--	13-20	0.76	11	5.00
NOV 26-				20-27	1.11	19	4.40
DEC 03	1.75	13	4.55	MAY 27-			
03-10	0.0	--	--	JUN 03	0.58	23	4.30
10-17	3.63	8	4.80	03-10	1.10	11	4.65
17-24	0.0	--	--	10-17	0.11	40	4.20
24-31	0.33	20	4.30	17-24	1.72	31	4.20
DEC 31-				JUN 24-			
JAN 07	0.82	30	4.30	JUL 01	0.0	--	--
07-14	0.78	12	4.60	01-08	0.61	26	4.50
14-21	0.16	31	4.30	08-15	0.13	--	--
21-28	1.12	12	4.55	15-22	1.68	23	4.30
JAN 28-				22-29	0.9	53	4.00
FEB 04	0.0	--	--	JUL 29-			
04-11	3.08	12	4.75	AUG 05	0.58	24	4.35
11-18	0.23	25	4.55	05-12	2.15	7	4.70
18-25	0.0	--	--	12-19	2.15	16	4.60
FEB 25-				19-26	0.3	53	4.00
MAR 04	0.28	26	4.65	AUG 26-			
04-11	0.0	--	--	SEP 02	0.08	27	4.35
11-18	1.48	11	5.90	02-09	0.83	14	5.85
18-25	1.43	15	4.70	09-16	0.52	25	4.40
				16-23	0.41	19	4.55
				23-30	1.63	10	4.80

PRECIPITATION QUALITY STATION AT NSTL, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE DIS- SOLVED (MG/L AS BR)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT 15-22	0.23	0.05	0.44	<0.01	1	0.72	0.02	0.02	--	0.046	0.007
OCT 22-29	0.16	0.16	1.2	0.06	0.9	2.5	0.02	0.02	0.08	0.038	0.012
OCT 29- NOV 05	0.22	0.16	1.0	0.04	1.0	2.0	0.03	0.02	--	0.069	0.011
NOV 26- DEC 03	0.2	0.08	0.48	--	0.8	0.84	0.03	0.01	0.17	0.088	0.011
DEC 10-17	0.17	0.05	0.26	0.03	0.6	0.45	0.05	<0.01	0.09	0.081	0.008
DEC 24-31	0.55	0.19	0.62	0.04	1.5	1.3	0.07	0.02	0.27	0.145	0.028
JAN 07-14	0.14	0.03	0.1	<0.01	0.9	0.18	0.05	<0.01	0.09	0.054	0.013
JAN 14-21	0.49	0.19	1.4	0.03	1.7	1.7	0.06	0.01	0.50	0.174	0.01
JAN 21-28	0.09	0.02	0.14	<0.01	1.1	0.23	0.03	<0.01	0.12	0.126	0.007
FEB 04-11	0.11	0.07	0.63	<0.01	1.1	1.1	0.06	0.02	0.11	0.118	0.004
FEB 11-18	0.77	0.17	1.3	0.03	2.7	2.1	0.05	0.02	0.29	0.00	<0.005
FEB 25- MAR 04	0.46	0.08	0.39	0.03	2.7	0.61	0.21	0.02	0.50	0.73	0.01
MAR 11-18	0.43	0.12	0.96	0.09	1.1	1.5	0.01	0.02	0.12	0.128	0.006
MAR 18-25	0.36	0.05	0.29	0.09	1.9	0.44	0.12	0.02	0.21	0.417	0.007
APR 08-15	0.35	0.05	0.29	0.02	1.3	0.35	0.03	0.01	0.18	0.265	0.008
APR 15-22	0.16	0.05	0.57	0.09	2.0	0.59	0.25	0.02	0.33	0.63	0.003
MAY 06-13	0.28	0.18	1.5	0.06	2.7	2.6	0.06	0.03	0.46	0.49	<0.005
MAY 13-20	0.25	0.06	0.36	0.09	1.1	0.62	0.06	<0.01	0.22	0.47	<0.005
MAY 20-27	0.01	0.04	0.23	0.01	1	0.71	0.07	0.01	0.20	0.145	--
MAY 27- JUN 03	0.25	0.06	0.27	<0.01	1.7	0.66	0.03	0.02	0.30	0.139	<0.005
JUN 03-10	0.04	0.05	0.32	0.12	0.6	0.77	0.01	0.01	0.13	0.067	0.007
JUN 10-17	0.51	0.16	0.03	0.04	1.9	2.5	0.03	0.02	0.41	0.214	<0.005
JUN 17-24	0.12	0.03	0.12	0.02	2.4	0.24	0.05	0.02	0.39	0.22	<0.005
JUL 01-08	0.29	0.11	0.74	0.11	2.7	1.3	0.04	0.02	0.35	0.036	0.008
JUL 15-22	0.16	0.04	0.34	0.03	1.9	0.21	0.06	0.02	0.32	0.192	<0.005
JUL 22-29	0.09	0.02	0.1	0.01	3.8	1.1	0.09	<0.01	0.75	0.76	0.005
JUL 29- AUG 05	0.28	0.04	0.09	0.03	2.0	0.2	0.06	0.03	0.42	0.233	0.008
AUG 05-12	0.02	0.03	0.05	<0.01	0.4	0.15	0.07	0.02	0.10	0.065	--
AUG 12-19	0.18	0.08	0.3	<0.01	1.5	0.53	0.03	0.02	0.33	0.22	<0.005
AUG 19-26	0.23	0.08	0.7	0.06	4.4	1.4	0.05	0.04	0.47	0.211	<0.005
AUG 26- SEP 02	0.33	0.13	0.37	0.03	2.3	0.74	0.03	0.02	0.43	0.141	0.02
SEP 02-09	0.16	0.06	0.35	0.05	0.9	0.59	0.04	0.02	0.24	0.056	<0.005
SEP 09-16	0.32	0.08	0.45	0.08	1.3	1.1	0.05	0.02	0.37	0.141	0.009
SEP 16-23	0.13	0.03	0.64	0.06	0.8	1.1	<0.01	0.02	0.30	0.031	0.005
SEP 23-30	0.18	0.04	0.14	0.02	0.4	0.34	0.01	0.01	0.16	0.018	0.025

QUALITY OF PRECIPITATION

PERRY COUNTY

PRECIPITATION QUALITY STATION NEAR JANICE, MS

LOCATION.--Lat 31 01 52 , long 88 59 09 , in NW NW SE 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.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ATM DEP WET TOTAL FOR PERIOD (IN)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	DATE	ATM DEP WET TOTAL FOR PERIOD (IN)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)
OCT				MAR 25-			
01-08	0.08	26	4.25	APR 01	0.0	--	--
08-15	0.0	--	--	01-08	0.0	--	--
15-22	0.29	16	4.45	08-15	1.45	10	4.60
22-29	6.42	10	4.75	15-22	0.24	29	4.35
OCT 29-				22-29	0.0	--	--
NOV 05	3.92	11	4.65	APR 29-			
05-12	0.02	--	--	MAY 06	0.0	--	--
12-19	0.0	--	--	06-13	0.02	--	--
19-26	0.0	--	--	13-20	2.40	8	4.85
NOV 26-				20-27	1.06	22	4.35
DEC 03	1.45	7	5.10	MAY 27-			
03-10	<0.01	--	--	JUN 03	1.95	13	4.45
10-17	4.00	8	4.70	03-10	0.93	--	--
17-24	0.0	--	--	10-17	0.05	62	3.90
24-31	0.44	20	4.40	17-24	0.78	42	4.10
DEC 31-				JUN 24-			
JAN 07	0.8	16	4.50	JUL 01	0.45	34	4.05
07-14	0.75	--	--	01-08	0.63	34	4.10
14-21	<0.01	--	--	08-15	3.12	17	4.35
21-28	0.98	30	4.20	15-22	0.93	16	4.35
JAN 28-				22-29	0.25	56	4.00
FEB 04	0.0	--	--	JUL 29-			
04-11	2.88	18	4.65	AUG 05	2.49	24	4.35
11-18	0.78	16	4.50	05-12	0.45	31	4.15
18-25	0.0	--	--	12-19	1.13	28	4.20
FEB 25-				19-26	0.63	35	4.05
MAR 04	0.16	64	4.10	JUL 26-			
04-11	0.07	18	4.50	AUG 26-			
11-18	2.04	10	4.95	SEP 02	1.43	20	4.40
18-25	1.65	14	4.70	02-09	0.55	22	4.30
				09-16	1.40	29	4.15
				16-23	0.15	40	4.00
				23-30	0.28	41	4.00

QUALITY OF PRECIPITATION

387

PRECIPITATION QUALITY STATION NEAR JANICE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE DIS- SOLVED (MG/L AS BR)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT											
01-08	0.4	0.14	0.31	0.06	2.2	0.11	0.06	<0.01	--	0.191	0.056
OCT											
15-22	0.21	0.05	0.39	--	1.2	0.49	0.03	0.01	0.26	0.079	0.026
OCT											
22-29	0.1	0.08	0.94	<0.01	0.8	1.1	0.02	<0.01	0.07	0.052	0.019
OCT 29-											
NOV 05	0.04	0.05	0.23	<0.01	1.0	0.47	0.02	<0.01	0.09	0.071	--
NOV 26-											
DEC 03	0.18	0.05	0.39	0.03	0.8	0.39	0.02	<0.01	0.09	0.22	0.031
DEC											
10-17	0.11	0.03	0.16	0.02	0.8	0.28	0.02	<0.01	0.07	0.098	0.023
DEC 31-											
JAN 07	0.22	0.06	0.42	0.01	1.5	0.49	0.01	0.01	0.15	0.144	0.014
JAN											
21-28	0.15	0.05	0.62	<0.01	2.6	0.41	0.09	<0.01	0.24	0.25	0.014
FEB											
04-11	0.11	0.05	0.21	<0.01	1.0	0.36	0.03	0.02	0.08	0.116	<0.005
FEB											
11-18	0.27	0.1	0.61	0.02	1.4	0.93	0.06	0.02	0.20	0.00	0.02
FEB 25-											
MAR 04	1.3	0.23	1.6	0.28	6.4	1.9	0.48	0.06	1.20	1.40	0.08
MAR											
04-11	0.02	0.03	0.6	0.06	1.8	0.77	0.05	0.02	0.21	0.335	0.02
MAR											
11-18	0.38	0.09	0.49	0.06	1.4	0.79	0.01	0.02	0.14	0.16	0.019
MAR											
18-25	0.43	0.08	0.34	0.1	2.0	0.58	0.06	0.02	0.22	0.425	--
APR											
08-15	0.24	0.03	0.19	0.02	1.2	0.21	0.04	0.01	0.20	0.247	<0.001
APR											
15-22	0.35	0.1	0.62	0.16	3.4	0.88	0.07	0.03	0.51	0.79	0.013
MAY											
13-20	0.04	0.05	0.44	0.04	0.9	0.4	0.06	0.02	0.13	0.294	0.014
MAY											
20-27	0.11	0.05	0.24	0.04	2.0	0.4	0.04	0.01	0.25	0.208	0.012
MAY 27-											
JUN 03	0.09	0.05	0.13	<0.01	1.2	0.27	0.03	0.01	0.18	0.101	<0.005
JUN											
10-17	1.2	0.31	0.85	0.05	3.7	1.3	0.08	0.04	1.00	0.137	0.018
JUN											
17-24	0.31	0.08	0.15	0.02	3.5	0.32	0.08	0.02	0.58	0.207	0.015
JUN 24-											
JUL 01	0.33	0.1	0.38	0.07	3.2	0.54	0.03	0.02	0.42	0.015	0.019
JUL											
01-08	0.19	0.07	0.14	0.02	3.7	0.29	0.04	0.01	0.30	0.157	0.016
JUL											
08-15	0.3	0.08	0.34	0.02	1.4	0.46	0.03	0.01	0.22	0.118	0.032
JUL											
15-22	0.26	0.07	0.1	0.02	1.2	0.2	0.02	0.01	0.32	0.088	0.024
JUL											
22-29	0.67	0.13	0.17	0.06	4.1	0.48	0.19	0.03	0.94	0.177	0.007
JUL 29-											
AUG 05	0.65	0.12	0.3	0.26	3.8	0.34	0.08	0.04	0.45	--	0.115
AUG											
05-12	0.12	0.05	0.28	<0.01	2.3	0.37	0.02	0.02	0.35	0.07	0.007
AUG											
12-19	0.28	0.08	0.35	0.25	2.6	0.5	0.04	0.02	0.35	0.086	0.021
AUG											
19-26	0.14	0.06	0.32	0.05	3.5	0.51	0.05	0.02	0.33	0.153	0.011
AUG 26-											
SEP 02	0.01	0.04	0.14	0.06	1.7	0.27	0.06	0.02	0.20	0.132	0.013
SEP											
02-09	0.06	0.07	0.34	0.07	2.0	0.59	0.04	0.02	0.26	0.074	0.014
SEP											
09-16	0.14	0.04	0.14	0.08	3.0	0.23	0.04	0.01	0.31	0.208	0.031
SEP											
16-23	0.28	0.09	0.42	0.08	3.4	0.63	0.09	0.02	0.48	0.19	0.049
SEP											
23-30	0.27	0.08	0.55	0.04	3.6	0.58	0.05	0.02	0.46	0.089	0.021

QUALITY OF PRECIPITATION

WILKINSON COUNTY

PRECIPITATION QUALITY STATION NEAR ROSETTA, MS

LOCATION.--Lat 31 17 34 , long 91 08 11 , in SE NW SW 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.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ATM DEP WET TOTAL FOR PERIOD (IN)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	DATE	ATM DEP WET TOTAL FOR PERIOD (IN)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)
FEB				JUN			
18-25	0.0	--	--	03-10	1.40	32	3.75
FEB 25-				10-17	0.1	--	--
MAR 04	0.0	--	--	17-24	1.27	38	4.05
04-11	0.0	--	--	JUN 24-			
11-18	1.32	8	6.35	JUL 01	0.52	9	5.30
18-25	2.15	16	4.85	01-08	0.62	13	5.15
MAR 25-				08-15	0.2	10	--
APR 01	0.0	--	--	15-22	0.75	37	--
01-08	0.0	--	--	22-29	1.10	--	--
08-15	2.05	8	--	JUL 29-			
15-22	1.65	13	--	AUG 05	0.5	22	4.50
22-29	0.0	--	--	05-12	0.6	10	4.85
APR 29-				12-19	0.2	17	4.55
MAY 06	0.22	--	--	19-26	0.15	17	4.65
06-13	0.3	46	4.10	AUG 26-			
13-20	2.35	11	5.05	SEP 02	1.72	26	4.25
20-27	1.68	11	4.75	02-09	1.35	13	3.85
MAY 27-				09-16	1.25	8	4.80
JUN 03	1.36	11	4.70	16-23	0.7	13	4.50
				23-30	1.60	16	4.45

QUALITY OF PRECIPITATION

389

PRECIPITATION QUALITY STATION NEAR ROSETTA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE DIS- SOLVED (MG/L AS BR)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
MAR											
11-18	0.34	0.07	0.3	0.08	1.0	0.66	0.01	0.01	0.14	0.197	<0.005
MAR											
18-25	0.38	0.15	0.78	0.12	2.1	1.4	0.05	0.02	0.19	0.35	0.009
APR											
08-15	0.21	0.05	0.18	0.06	1.0	0.28	0.03	0.01	0.17	0.241	0.01
APR											
15-22	0.16	0.05	0.21	0.1	1.8	0.34	0.07	0.02	0.30	0.76	0.007
MAY											
06-13	0.46	0.12	0.62	0.1	4.5	0.88	0.05	0.03	0.72	0.79	--
MAY											
13-20	0.16	0.06	0.38	0.04	1.3	0.56	0.04	0.02	0.13	0.41	0.009
MAY											
20-27	0.06	0.05	0.14	0.02	1.1	0.27	0.02	0.02	0.18	0.232	0.014
MAY 27- JUN 03	0.13	0.05	0.15	0.03	1.0	0.29	0.03	0.01	0.20	0.185	0.015
JUN											
03-10	0.13	0.05	0.14	0.05	3.3	0.3	0.04	0.02	0.44	0.40	0.013
JUN											
17-24	0.15	0.04	0.13	0.02	3.8	0.24	0.07	0.02	0.36	0.26	--
JUN 24- JUL 01	0.14	0.05	0.19	0.01	0.5	0.37	0.01	0.02	0.18	0.027	0.009
JUL											
01-08	0.24	0.09	0.36	0.04	1.2	0.5	0.04	0.02	0.22	0.101	0.018
JUL											
08-15	0.3	0.1	0.75	0.05	0.7	1.4	0.02	0.02	0.18	0.004	0.03
JUL											
15-22	0.27	0.07	0.26	0.04	3.2	0.37	0.03	0.04	0.72	0.122	<0.005
JUL 29- AUG 05	0.43	0.09	0.22	0.08	2.1	0.28	0.07	0.03	0.45	0.29	0.025
AUG											
05-12	0.12	0.05	0.4	<0.01	0.5	0.58	0.04	0.02	0.24	0.049	0.014
SEP											
02-09	0.02	0.09	0.1	0.02	1.4	0.27	0.06	0.02	0.18	0.148	0.037
SEP											
09-16	0.28	0.09	0.53	0.04	1.1	0.59	0.01	0.02	0.13	0.094	0.029
SEP											
16-23	0.26	0.08	0.51	0.05	1.1	0.54	0.04	0.02	0.21	0.105	0.054
SEP											
23-30	0.29	0.08	0.32	0.07	1.7	0.35	0.03	0.02	0.24	0.204	0.014

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FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI). This report contains both the inch-pound and SI unit equivalents in the station manuscript descriptions.

Multiply inch-pound units	By	To obtain SI units
<i>Length</i>		
inches (in)	2.54×10^1	millimeters (mm)
	2.54×10^{-2}	meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^0	kilometers (km)
<i>Area</i>		
acres	4.047×10^3	square meters (m ²)
	4.047×10^{-1}	square hectometers (hm ²)
	4.047×10^{-3}	square kilometers (km ²)
square miles (mi ²)	2.590×10^0	square kilometers (km ²)
<i>Volume</i>		
gallons (gal)	3.785×10^0	liters (L)
	3.785×10^0	cubic decimeters (dm ³)
	3.785×10^{-3}	cubic meters (m ³)
million gallons	3.785×10^3	cubic meters (m ³)
	3.785×10^{-3}	cubic hectometers (hm ³)
cubic feet (ft ³)	2.832×10^1	cubic decimeters (dm ³)
	2.832×10^{-2}	cubic meters (m ³)
cfs-days	2.447×10^3	cubic meters (m ³)
	2.447×10^{-3}	cubic hectometers (hm ³)
acre-feet (acre-ft)	1.233×10^3	cubic meters (m ³)
	1.233×10^{-3}	cubic hectometers (hm ³)
	1.233×10^{-6}	cubic kilometers (km ³)
<i>Flow</i>		
cubic feet per second (ft ³ /s)	2.832×10^1	liters per second (L/s)
	2.832×10^1	cubic decimeters per second (dm ³ /s)
	2.832×10^{-2}	cubic meters per second (m ³ /s)
gallons per minute (gal/min)	6.309×10^{-2}	liters per second (L/s)
	6.309×10^{-2}	cubic decimeters per second (dm ³ /s)
	6.309×10^{-5}	cubic meters per second (m ³ /s)
million gallons per day	4.381×10^1	cubic decimeters per second (dm ³ /s)
	4.381×10^{-2}	cubic meters per second (m ³ /s)
<i>Mass</i>		
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons

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