

Water Resources Data Mississippi Water Year 2001

Water-Data Report MS-01-1

U.S. GEOLOGICAL SURVEY
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Prepared in cooperation with the
Mississippi Department of Environmental
Quality and with other State, county,
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CALENDAR FOR WATER YEAR 2001

2000

OCTOBER

S	M	T	W	T	F	S
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2001

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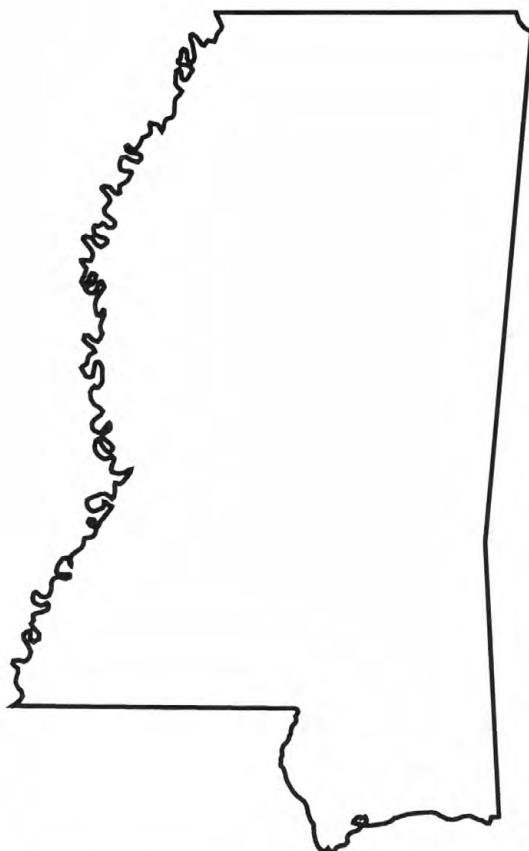
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Water Resources Data Mississippi Water Year 2001

By F. Morris III, D.P. Turnipseed, and J.B. Storm

Water-Data Report MS-01-1



Prepared in cooperation with the Mississippi Department of Environmental Quality
and with other State, county, municipal, and Federal agencies



U.S. DEPARTMENT OF THE INTERIOR

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U.S. GEOLOGICAL SURVEY

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PREFACE

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

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

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13. ABSTRACT (Maximum 200 words) Water resources data for the 2001 water year for Mississippi consist of records of surface water and ground water in the State. Specifically, it contains: (1) Discharge records for 95 streamflow-gaging stations, stage records for 20 of these gaging stations, discharge records for 83 partial-record or miscellaneous streamflow stations, including 8 flood hydrograph partial-record stations, 70 crest-stage partial-record stations, and 5 special study and miscellaneous sites; (2) stage only at 1 gaging station; (3) water-quality records for 8 streamflow-gaging stations, 0 partial-record or miscellaneous sites, 9 short-term study sites, and 27 wells; and (4) water-level records for 18 observation wells. Records obtained from water-resources investigations are also included in special sections of the report. These data represent that part of the National Water Data System operated by the U.S. Geological Survey, and cooperating local, State, and Federal agencies in Mississippi.				
14. SUBJECT TERMS *Mississippi, *Hydrologic data, *Surface water, *Ground water, Water quality, Flow rate, Gaging stations, Lakes, Reservoirs, Chemical analyses, Sediments, Water temperatures, Sampling sites, Water analyses, Water levels.			15. NUMBER OF PAGES 262	
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SURFACE-WATER STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME

[Letter after station name designates type of data: (d) discharge, (g) gage height, (c) chemical, (m) microbiological, (t) water temperature, (s) sediment, (r) radiochemical, (p) pesticide, (f) field values; temperature, pH, dissolved-oxygen, specific conductance]

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DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

The following continuous-record surface-water discharge or stage-only stations (gage stations) in the Mississippi District have been discontinued. Daily streamflow or stage records were collected and published for the period of record, expressed in water years, shown for each station. Those stations with an asterisk (*) after the station number are currently operated as crest-stage or flood hydrograph partial-record stations. Discontinued project stations with less than 3 years of record have not been included. Information regarding these stations may be obtained from the District Office at the address given on the back side of the title page of this report.

[Letters after station name designate type of data collected: (d) discharge, (e) elevation (stage only)]

Discontinued surface-water discharge or stage-only stations

Station name	Station number	Drainage area (mi ²)	Period of record
MOBILE RIVER BASIN			
Little Brown Cr near New Site, MS (d)	02429949	42.2	1973-89
Mackeys Cr near Dennis, MS (d)	02430000	66.9	1938-80
Mackeys Cr Bl Bay Springs Lock and Dam, MS (d)	02430012	68.2	1980-83
Rock Cr near Belmont, MS (d)	02430038	9.0	1975-80
Mackeys Cr near Moores Mill, MS (d)	02430100	118.0	1983-95
Tombigbee R near Marietta, MS (d)	02430500	308.0	1937-50 1968-00
Tombigbee R at Beans Ferry near Fulton, MS (d)	02431500	706.0	1937-47
Bull Mountain Cr near Smithville, MS (d)	02433000	336.0	1941-84 1986-87
Burkett Cr at Amory, MS (d)	02433530	6.6	1964-67
Town Cr at Tupelo, MS (d)	02434000*	111.0	1944-46 1952-71
Tishomingo Cr near Saltillo, MS (d)	02434250	30.1	1949-63
Euclautubba Cr at Saltillo, MS (d)	02434500	19.1	1952-67
Town Cr near Verona, MS (d)	02435500	271.0	1944-47
Chiwapa Cr at Shannon, MS (d)	02436000*	145.0	1952-67
Tombigbee R near Amory, MS (d)	02437000*	928.0	1938-85
Tombigbee R at Aberdeen, MS (d)	02437500	2171.0	1928-58 1972-82
James Cr at Aberdeen, MS (d)	02437600*	28.4	1964-68
Buttahatchee R near Caledonia, MS (d)	02439500	831.0	1928-32
Chuquatonchee Cr near Okalona, MS (d)	02439980*	66.7	1963-68
Chuquatonchee Cr near Egypt, MS (d)	02440000*	167.0	1952-73
Houlka Cr near McCondy, MS (d)	02440400*	189.0	1963-68
Tibbee Cr near Tibbee, MS (d)	02441000*	926.0	1929-30 1940-88
Catalpa Cr at Mayhew, MS (d)	02441300*	98.0	1963-68
Luxapallila Cr at Steens, MS (d)	02443000*	309.0	1944-47
Cedar Cr near Trinity, MS (d)	02443710	11.5	1980-82
Noxubee R near Brooksville, MS (d)	02447500	446.0	1940-42
PASCAGOULA RIVER BASIN			
Oakohay Cr at Mize, MS (d)	02471500*	185.0	1944-49
Tallahattah Cr near Waldrup, MS (d)	02473480*	30.4	1965-70
Tallahoma Cr near Laurel, MS (d)	02474000	139.0	1941-48
Leaf R at Beaumont, MS (e)	02474740	3010.0	1972-76
Okatibbee Cr near Meridian, MS (d)	02476000	236.0	1939-74
Chickasawhay R at Shubuta, MS (e)	02477350	1458.0	1972-97
Chickasawhay R near Waynesboro, MS (d,e)	02477500	1650.0	1939-97
Buckatunna Cr at Denham, MS (d)	02478000	506.0	1939-49
Flint Cr near Wiggins, MS (d)	02479200	24.9	1957-68
Bluff Cr near Vancleave, MS (d)	02480250	52.0	1974-79
TCHOUTACABOUFFA RIVER BASIN			
Tuxachanie Cr near Biloxi, MS (d)	02480500*	92.4	1953-71
WOLF RIVER BASIN			
Wolf River near Lyman, MS (d)	02481500	253.0	1945-48
JOURDAN RIVER BASIN			
Catahoula Cr near Santa Rosa, MS (d)	02481570	155.0	1962-66
PEARL RIVER BASIN			
Lobutcha Cr near Carthage, MS (d)	02482500	309.0	1937-60
Pearl R at Meeks Bridge near Canton, MS (d)	02485000	2755.0	1939-63
Pelahatchie Cr near Fannin, MS (d)	02485500	206.0	1951-60
Copiah Cr near Hazelhurst, MS (d)	02487900*	47.4	1965-68
Bahala Cr near Oma, MS (d)	02488100	150.0	1966-68
Holiday Cr at Goss, MS (d)	02488850	75.8	1965-68
Lower Little Cr near Baxterville, MS (d)	02489240	81.5	1961-70

Discontinued surface-water discharge or stage-only stations

Station name	Station number	Drainage area (mi ²)	Period of record
TENNESSEE RIVER BASIN			
Yellow Cr near Doskie, MS (d)	03592800	143.0	1938-59
Tennessee-Tombigbee Waterway at Cross Roads (e)	03592824	indeterminate	1973-78 1981-95
HATCHIE RIVER BASIN			
Hatchie R near Walnut, MS (d)	07029270	274.0	1948-73
TUCSCUMBIA RIVER BASIN			
Tuscumbia R Canal near Corinth, MS (d)	07029300	277.0	1950-59
YAZOO RIVER BASIN			
Cane Cr near New Albany, MS (d)	07266000	22.2	1939-41
Cypress Cr near Etta, MS (d)	07268500*	28.5	1939-42
North Tippah Cr near Ripley, MS (d)	07269000*	20.0	1939-42
Clear Cr near Oxford, MS (d)	07271000	10.3	1939-41
Little Tallahatchie R at Sardis, MS (d)	07272500	1545.0	1950-74
Tallahatchie R near Sardis, MS (d)	07273000	1595.0	1940-80
Little Tallahatchie R at Batesville, MS (d)	07273500	1750.0	1932-42
Yocona R at Enid Dam, MS (d)	07275000	560.0	1907-13
Coldwater R near Lewisburg, MS (d)	07276000	218.0	1928-80
Pigeonroost Cr near Lewisburg, (d)	07277000	228.0	1940-53
Coldwater R near Coldwater, MS (d)	07277550	617.0	1928-42
Coldwater R at Arkabutla Dam, MS (d)	07278500	1000.0	1937-80
Coldwater R at Savage, MS (d)	07279500	1225.0	1909-12
Tallahatchie R near Lambert, MS (d)	07280000	1980.0	1936-42
Tillatoba Cr Bl Oakland, MS (d)	07280270	37.1	1936-80
South Fork Tillatoba Cr near Charleston, MS (d)	07280340	53.9	1974-84
North Fork Tillatoba Cr near Teasdale, MS (d)	07280460	30.8	1975-87
Tallahtchie R at Swan Lake, MS (d)	07281000	5130.0	1984-89
Yalobusha R at Graysport, MS (d)	07282500	607.0	1939-80
Skuna R near Coffeeville, MS (d)	07283500	435.0	1940-49
Yalobusha R at Grenada Dam near Grenada, MS (d)	07285000	1320.0	1940-49
Batupan Bogue at Grenada, MS (d)	07285400	240.0	1961-80
Askalmore Cr at Retention Dam near Cascilla, MS (d)	07285900	10.5	1985-97
Thompson Cr at McCarley, MS (d)	07286500	14.4	1967-74
Yazoo R at Greenwood, MS (d)	07287000	7450.0	1957-64
Fannegusha Cr near Howard, MS (d)	07287355*	107.0	1908-13
Harland Cr near Howard, MS (d)	07287404*	62.1	1928-80
Big Sunflower R at Clarksdale, MS (d)	07288000	108.0	1987-96
Big Sunflower R at Sunflower, MS (d)	07288500	767.0	1999-00
MISSISSIPPI RIVER BASIN			
Big Black R at Pickens, MS (d)	07289500	1493.0	1937-42
Bayou Pierre near Carpenter, MS (d)	07290500	371.0	1936-80
Mississippi R at Natchez, MS (d)	07290880	1145400.0	1945-51
Homochitto R near Bude, MS (d)	07291500	399.0	1949-78
Homochitto R near Kingston, MS (d)	07293500	1000.0	1942-50
Homochitto R near Doloroso, MS (d)	07294500	1120.0	1945-49

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

The following continuous-record surface-water-quality stations in Mississippi have been discontinued. Daily records of specific conductance, pH, water temperature, turbidity, dissolved oxygen, or sediment were collected and published for the period of record shown for each station. Those stations with an asterisk (*) after the station number are currently operated as continuing-record, partial-record, or miscellaneous stations. Discontinued short-term project stations have not been included. Information regarding these stations may be obtained from the District Office at the address given on the back side of the title page of this report.

Letters used for type of record designate type of data collected: (k) specific conductance, (h) pH, (t) water temperature, (n) turbidity, (o) dissolved oxygen, (s) sediment.

Discontinued continuous-record surface-water-quality stations

Station name	Station number	Drainage area (mi ²)	Type of record	Period of record (water years)
MOBILE RIVER BASIN				
Mackeys Creek near Dennis, MS	02430000	66.9	t n k,h,o s	1973-79 1975-79 1976-79 1978-80
Mackeys Creek below Bay Springs Lock & Dam, MS	02430012	68.2	k,h,t,n,o,s	1980-83
PASCAGOULA RIVER BASIN				
Okatoma Creek at Saratoga, MS	02472580	88.2	k	1970-71
Chickasawhay River at Enterprise, MS	02477000	918	k	1971-73
Pascagoula River at Merrill, MS	02479000	6,590	t	1970-72
Pascagoula River near Benndale, MS	02479020	6,680	k,t t	1970-72 1980-81
Red Creek near Carnes, MS	024791834	99.5	k,t	1958-60, 80-81 1985-86
WOLF RIVER BASIN				
Wolf River near Landon, MS	02481510	308	t	1979-81
TENNESSEE RIVER BASIN				
Yellow Creek near Doskie, MS	03592800	143	k,t n,o h	1973-78 1976-78 1977-78
Tenn-Tom Waterway at Cross Roads, MS	03592824	-	k,t,n,s h o	1980-85 1983-85 1984-85
Yellow Creek at Cross Roads, MS	03592825	165	k,h,t,n,o,s	1978-79
YAZOO RIVER BASIN				
Hotopha Creek near Batesville, MS	07273100	35.1	k,t h s	1986-87 1987 1986-97
Otoulalofa Creek Canal near Water Valley, MS	07274252	97.1	k,t,o h s	1985-87 1986-87 1985-97
Peters (Long) Creek near Pope, MS	07275530	79.2	k,h,t,o s	1987 1987-97
Hickahala Creek near Senatobia, MS	07277700 *	121	k,h,t,o	1986-89
Senatobia Creek near Senatobia, MS	07277730	82.0	k,h,t,o s	1986-88 1986-90
Coldwater River (Pompey Ditch) near Sledge, MS	07279800	1,404	k,t	1981-82
North Fork Tillatoba Creek near Teasdale, MS	07280460	30.8	s	1984-89
Yalobusha River at Calhoun City, MS	07281999	194	s	1997-98
Topashaw Creek Canal near Calhoun City, MS	07282100	101	s	1997-98
Skuna River at Bruce, MS	07283000	254	t	1996-98
Batupan Bogue at Grenada, MS	07285400	240	k,h,t,o s	1985-97 1985-97
Yazoo River near Shell Bluff, MS	07287120	7,650	t k	1977-81 1978-81
Fannegusha Creek near Howard, MS	07287355	107	s	1987-89, 2000
Harland Creek near Howard, MS	07287404	62.1	k,h,t,o s	1987 1987-2000
Bogue Phalia near Leland, MS	07288650 *	484	k,t	1996-98
Yazoo River at Redwood, MS	07288800	12,603	k,t	1979-81
Yazoo River below Steele Bayou near Long Lake, MS	07288955 *	13,355	k,t	1996-98
MISSISSIPPI RIVER MAIN STEM				
Mississippi River at Vicksburg, MS	07289000	1,140,500	k,t	1989-94
BIG BLACK RIVER BASIN				
Big Black River near Bovina, MS	07290000	2,812	k,t	1978-81
HOMOCITTO RIVER BASIN				
Homochitto River at Rosetta, MS	07292500	787	k,t	1980-81

INTRODUCTION

The Water Resources Discipline (WRD) of the U.S. Geological Survey (USGS), in cooperation with State, local, and Federal 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 U.S. Geological Survey, the data are published annually in this report series entitled "Water Resources Data - Mississippi."

This report includes records of surface water and ground water in the State. Specifically, it contains: (1) Discharge records for 95 streamflow-gaging stations, stage records for 20 of these gaging stations, discharge records for 83 partial-record or miscellaneous streamflow stations, including 8 flood hydrograph partial-record stations, 70 crest-stage partial-record stations and 5 special study and miscellaneous sites, (2) stage only at 1 gaging station, (3) water-quality records for 8 streamflow-gaging stations, 0 partial-record or miscellaneous sites, 9 short-term study sites, and 27 wells, and (4) water-level records for 18 observation wells. Records obtained from water-resources investigations are also included in special sections of the report. Records included for stream stages are only a small fraction of those obtained during the water year.

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

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

Publications similar to this report are published annually by the U.S. 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, "U.S. Geological Survey Water-Data Report MS-75-1." 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.

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, for water-quality records since 1964, and for atmospheric precipitation-quality since 1982. In addition, data for water-resources investigations have been collected. Organizations that assisted in the collection of data through cooperation with the Survey are:

Mississippi Department of Environmental Quality, Charles H. Chisolm, Executive Director.
 Office of Land and Water Resources, Charles T. Branch, Director.
 Office of Pollution Control, Phil Bass, Director.
 Mississippi Department of Transportation, W. Hugh Long, Executive Director.
 Pat Harrison Waterway District, Chris Bowen, Executive Director.
 Pearl River Basin Development District, Mike Davis, Executive Vice President.
 Pearl River Valley Water Supply District, Kenneth Griffin, General Manager.
 Harrison County Board of Supervisors, Larry Benefield, President.
 Harrison County Development Commission, Michael J. Olivier, Executive Director.
 Jackson County Port Authority, Melody Bradley, Port Director.
 City of Jackson, Harvey Johnson, Jr., Mayor.

Assistance with funds or services was provided by the U. S. Army Corps of Engineers in collecting records for 40 streamflow-gaging stations, 1 stage-only gaging station, 4 crest-stage gages, and 15 surface-water quality sites published in this report.

Organizations that provided data are acknowledged in station descriptions.

SUMMARY OF HYDROLOGIC CONDITIONS

Streamflow

Annual mean streamflow was normal in most streams in Mississippi during the 2001 water year. Comparisons of monthly mean and annual mean discharges in the 2001 water year with median values for the period 1971-2001 were made for three representative gaging stations: Tombigbee River at Stennis Lock and Dam near Columbus, in northeastern Mississippi, Big Black River near Bovina, in central Mississippi, and Pascagoula River at Merrill, in southeastern Mississippi. The monthly mean discharges at these three sites were below the normal range (± 25 percent of the median for the reference period 1971-2001) during the months of October and May. The monthly mean discharges at the Pascagoula River were below normal for 7 months of the year. The monthly mean discharges at these sites were above normal (± 25 percent of the median for the reference period 1971-2001) during the month of September. The monthly mean discharges at the Tombigbee River at Stennis Lock and Dam near Columbus were also above normal in February and June. The monthly mean discharges at the Pascagoula River at Merrill were also above normal in March, June and August. The monthly mean discharges at the Big Black River at Bovina were also above normal in March. The following three paragraphs discuss flow for the water year for these three representative gaging stations in Mississippi.

Runoff of the Tombigbee River at Stennis Lock and Dam near Columbus was 21.56 inches for the water year, or 99 percent of the median annual runoff of 21.75 inches for the reference period 1971-2001. Discharge was above normal in February, June, and September, when the monthly mean discharges were 201, 161, 261 and 193 of the percent of the median monthly discharges for the reference period, respectively. Discharge was below normal in October and May when the monthly mean discharges were 53 and 39 percent of the median monthly discharges for the reference period, respectively. Monthly mean discharges for other months were within the normal range.

Runoff of the Pascagoula River at Merrill was 18.63 inches for the water year, or 88 percent of the median annual runoff for the reference period (21.21 inches). Discharge was above normal in March, June, August, and September, when the monthly mean discharges were 209, 214, and 563 percent of the monthly median discharge for the reference period, respectively. Discharge was below normal for 7 months of 2001 water year. The following table shows mean discharges, percents of the median discharges for the reference period, and median discharges for the reference period for the below-normal months.

Date	Mean discharge (ft ³ /s)	Percent of median discharge	Median discharge 1971-2001 (ft ³ /s)
Oct. 2000	714	28	2506
Nov. 2000	2101	48	4348
Dec. 2000	2581	27	9631
Jan. 2001	8455	49	9601
Feb. 2001	8535	48	17914
Apr. 2001	8532	56	15337
May 2001	2324	25	9419

Monthly mean discharges for other months were within the normal range.

Runoff of the Big Black River near Bovina was 19.73 inches for the water year, or 99 percent of the median annual runoff for the reference period (19.88 inches). Discharge was above normal in March and September when the monthly mean discharges were 175 and 707 percent of the monthly mean discharge for the reference period, respectively. Discharge was below normal in the months of October and May, when the monthly mean discharges were 30 and 17 percent of the monthly median discharges for the reference period, respectively. Monthly mean discharges for other months were within the normal range.

Streamflow Quality

The surface-water quality of most of Mississippi's 84,000 miles of rivers fully or partially supports designated uses. The major cause of impaired water quality is nonpoint agricultural runoff; lesser causes are industrial and municipal point-source discharges and runoff from nonagricultural nonpoint sources.

Dissolved-solids concentrations are low, generally less than 100 mg/L (milligrams per liter), in water from most streams in Mississippi. Dissolved-oxygen concentrations are generally greater than 5.0 mg/L and are lowest during the summer months when stream temperatures are high and streamflow velocities are low. Determinations of pH indicate that most streams are neutral to slightly acidic at most times. The minimum, median, and maximum values of dissolved-solids concentrations, dissolved-oxygen concentrations, and values of pH during water year 2001 for the National Water-Quality Assessment integrator station, 07288955 Yazoo River below Steele Bayou near Long Lake, Mississippi, 8.2 miles above its confluence with the Mississippi River, are presented in the following table:

Yazoo River below Steele Bayou near Long Lake, MS

Water year 2001

	Minimum	Median	Maximum
Dissolved-solids concentration, in milligrams per liter	46	71	153
Dissolved-oxygen concentration, in milligrams per liter	3.0	7.6	12.9
pH, in standard units	6.3	6.9	7.7

Ground-Water Levels

Ground-water levels in most artesian aquifers statewide continued long-term declines in the latter part of the 2001 water year following seasonal water-level recoveries during the early part of the year. Fluctuations of ground-water levels in a representative observation well is shown in the hydrograph in figure 1.

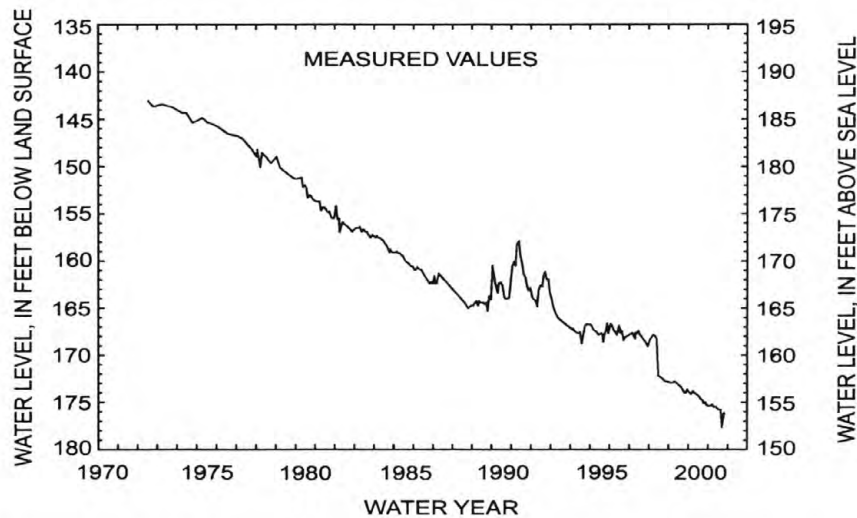


Figure 1.--Hydrograph of well in the Cockfield aquifer in the Jackson metropolitan area.

Ground-water withdrawals in Mississippi are concentrated in the urbanized and industrialized areas and in the Mississippi River Alluvial Plain in northwestern Mississippi where large withdrawals are made for crop irrigation and catfish production. These withdrawals have resulted in significant long-term declines in water levels in some areas. Declining ground-water levels and the ability of the aquifers to meet the increasing demand for water continue to be important water-resources concerns in the State.

In central Mississippi, the Cockfield and Sparta aquifers are two of the major aquifers in the State. Water levels in the Cockfield Formation declined slightly at selected sites, while levels in a few wells near pumping centers declined 1 to 4 feet. Some wells screened in the Sparta Sand indicated declines of 2 to 6 feet.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Benchmark Network is a network of 50 sites in small drainage basins around the country whose purpose is to provide consistent data on the streamflow 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 human activities. At 10 of these sites, water-quality information is being gathered on major ions and nutrients, primarily to assess the affects of acid deposition on stream chemistry. Additional information on the Hydrologic Benchmark Program can be found at <http://water.usgs.gov/hbn/>.

National Stream-Quality Accounting Network (NASQAN) monitors the water quality of large rivers within the Nation's largest river basins. From 1995 through 1999, a network of approximately 40 stations were operated in the Mississippi, Columbia, Colorado, and Rio Grande. From 2000 through 2004, sampling was reduced to a few index stations on the Colorado and Columbia so that a network of 5 stations could be implemented on the Yukon River. Samples are collected with sufficient frequency that the flux of a wide range of constituents can be estimated. The objective of NASQAN is to characterize the water quality of these large rivers by measuring concentration and mass transport of a wide range of dissolved and suspended constituents, including nutrients, major ions, dissolved and sediment-bound heavy metals, common pesticides, and inorganic and organic forms of carbon. This information will be used (1) to describe the long-term trends and changes in concentration and transport of these constituents; (2) to test findings of the National Water-Quality Assessment Program (NAWQA); (3) to characterize processes unique to large-river systems such as storage and re-mobilization of sediments and associated contaminants; and (4) to refine existing estimates of off-continent transport of water, sediment, and chemicals for assessing human effects on the world's oceans and for determining global cycles of carbon, nutrients, and other chemicals. Additional information about the NASQAN Program can be found at <http://water.usgs.gov/nasqan/>.

National Atmospheric Deposition Program/National Trends Network (NADP/NTN) provides continuous measurement and assessment of the chemical constituents in precipitation throughout the United States. As the lead federal agency, the USGS works together with over 100 organizations to provide a long-term, spatial and temporal record of atmospheric deposition generated from a network of 225 precipitation chemistry monitoring sites. This long-term, nationally consistent monitoring program, coupled with ecosystem research, provides critical information toward a national scorecard to evaluate the effectiveness of ongoing and future regulations intended to reduce atmospheric emissions and subsequent impacts to the Nation's land and water resources. Reports and other information on the NADP/NTN Program, as well as all data from the individual sites, can be found at <http://bqs.usgs.gov/acidrain/>.

Data from the network, as well as information about individual sites, are available through the World Wide Web at:

<http://nadp.sws.uiuc.edu>

National Water-Quality Assessment (NAWQA) Program of the U.S. Geological Survey is a long-term program with goals to describe the status and trends of water-quality conditions for a large, representative part of the Nation's ground- and surface-water resources; provide an improved understanding of the primary natural and human factors affecting these observed conditions and trends; and provide information that supports development and evaluation of management, regulatory, and monitoring decisions by other agencies.

Assessment activities are being conducted in 59 study units (major watersheds and aquifer systems) that represent a wide range of environmental settings nationwide and that account for a large percentage of the Nation's water use. A wide array of chemical constituents will be measured in ground water, surface water, streambed sediments, and fish tissues. The coordinated application of comparative hydrologic studies at a wide range of spatial and temporal scales will provide information for decision making by water-resources managers and a foundation for aggregation and comparison of findings to address water-quality issues of regional and national interest.

Communication and coordination between USGS personnel and other local, State, and federal interests are critical components of the NAWQA Program. Each study unit has a local liaison committee consisting of representatives from key federal, State, and local water resources agencies, Indian nations, and universities in the study unit. Liaison committees typically meet semiannually to discuss their information needs, monitoring plans and progress, desired information products, and opportunities to collaborate efforts among the agencies. Additional information about the NAWQA Program can be found at http://water.usgs.gov/nawqa/nawqa_home.html

EXPLANATION OF THE RECORDS

The surface-water and ground-water records published in this report are for the 2001 water year that began October 1, 2000, and ended September 30, 2001. A calendar of the water year is provided on the inside of the front cover. The records contain streamflow data, stage data for lakes and reservoirs, water-quality data for surface and ground water, and ground-water-level data. The locations of the stations and wells where the data were collected are shown in figures 4, 5, and 6. The following sections of the introductory text are presented to provide users with a more detailed explanation of how the hydrologic data published in this report were collected, analyzed, computed, and arranged for presentation.

Station Identification Numbers

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

Downstream Order System

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

The station-identification number is assigned according to downstream order. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete eight-to-fourteen digit number for each station, such as 02429900, which appears just to the left of the station name, includes the two-digit Part number "02" plus the six-to-twelve digit downstream-order number "429900". In this report, the records are listed in downstream order by parts. The Part number refers to an area whose boundaries coincide with certain natural drainage lines. Records in this report are in Part 2 (South Atlantic slope and eastern Gulf of Mexico basins), Part 3 (Ohio River basin), and Part 7 (Lower Mississippi River basin). All records for a drainage basin encompassing more than one state can be arranged in downstream order by assembling pages from the various state reports by station number to include all records in that basin.

Latitude-Longitude System

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

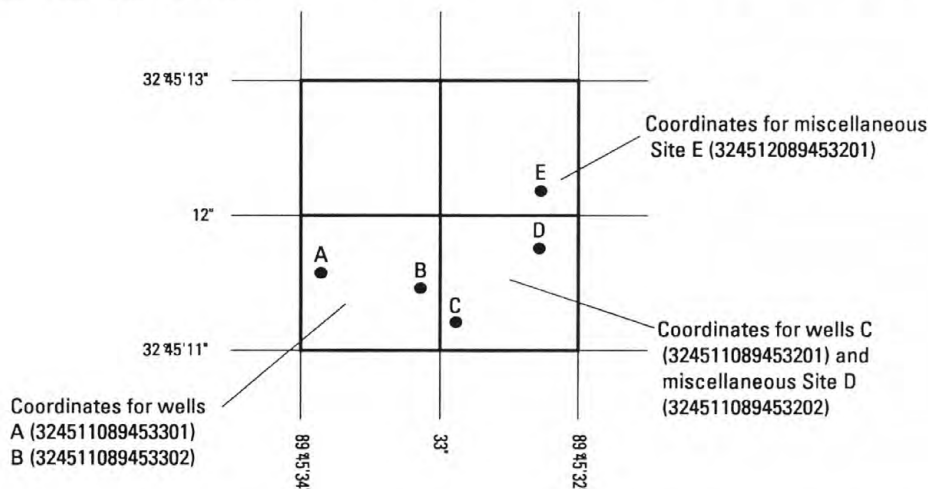


Figure 2.--System for numbering wells and miscellaneous sites (latitude and longitude).

Records of Stage and Water Discharge

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

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

Data Collection and Computation

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

Continuous records of stage are obtained with a water-stage recorder. Measurements of discharge are made using methods adopted by the U.S. 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 (TWRI's), Book 3, Chapters A1 through A19 and Book 8, Chapters A2 and B2. The methods are consistent with the American Society for Testing and Materials (ASTM) standards and generally follow the standards of the International Organization for Standards (ISO).

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 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. At some gaging stations, acoustic velocity meter (AVM) systems are used to compute discharge. The AVM system measures the stream's velocity at one or more paths in the cross section. Coefficients are developed to relate this path velocity to the mean velocity in the cross section. Because the AVM sensors are fixed in position, the adjustment coefficients generally vary with stage. Cross-sectional area curves are developed to relate stage, recorded as noted above, to cross section area. Discharge is computed by multiplying path velocity by the appropriate stage related coefficient and area.

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

Streamflow data in this report are presented in a new format that is considerably different from the format in data reports prior to the 1992 water year. The major changes are that statistical characteristics of discharge now appear in tabular summaries following the water-year data table and less information is provided in the text or station manuscript above the table. These changes represent the results of a pilot program to reformat the annual water-data report to meet current user needs and data preferences.

The records published for each continuous-record surface-water discharge station (gaging station) now consist of four parts, the manuscript or station description; the data table of daily mean values of discharge for the current water year with summary data; a tabular statistical summary of monthly mean flow data for a designated period, by water year; and a summary statistics table that includes statistical data of annual, daily, and instantaneous flows as well as data pertaining to annual runoff, 7-day low-flow minimums, and flow duration.

Station Manuscript

The manuscript provides, under various headings, descriptive information, such as station location; period of record; historical extremes outside the period of record; record accuracy; and other remarks pertinent to station operation and regulation. The following information, as appropriate, is provided with each continuous record of discharge or lake content. Comments to follow clarify information presented under the various headings of the station description.

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

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

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

REVISED RECORDS.--Published records, because of new information, occasionally are found to be incorrect, and revisions are printed in later reports. Listed under this heading are all the reports in which revisions have been published for the station and the water years to which the revisions apply. If a revision did not include daily, monthly, or annual figures of discharge, that fact is noted after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised, "(m)" that only the instantaneous minimum was revised, and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the most recently revised figure was first published is given.

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

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

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

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.--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 time. For example, 12:30 a.m. is 0030, and 1:30 p.m. is 1330. The minimum for the current water year appears in the summary statistics table at the bottom of the page.

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.

Headings for AVERAGE DISCHARGE, EXTREMES FOR PERIOD OF RECORD, and in some cases EXTREMES FOR CURRENT YEAR have been deleted and the information contained in these paragraphs, except for the listing of secondary instantaneous peak discharges in the EXTREMES FOR CURRENT YEAR paragraph, is now presented in the tabular summaries following the discharge table or in the REMARKS paragraph as appropriate.

Manuscript information for stations which only provide stage or partial-record data differs from that for continuous record discharge stations in that headings for AVERAGE DISCHARGE, EXTREMES FOR PERIOD OF RECORD, and EXTREMES FOR CURRENT YEAR are included.

Data table of daily mean values

The daily table of discharge records for stream-gaging stations give mean discharge for each day of the water year. In the monthly summary for the table, the line headed "TOTAL" gives the sum of the daily figures for each month; the line headed "MEAN" gives the average flow in cubic feet per second for the month; the lines headed "MAX" and "MIN" give the maximum and minimum daily mean discharges, respectively, for each 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 or in acre-feet may be omitted if there is extensive regulation or diversion or if the drainage area includes large noncontribution areas. At some stations monthly and (or) yearly observed discharges are adjusted for reservoir storage or diversion, or diversion data or reservoir contents are given. These figures are identified by a symbol and corresponding footnote.

Statistics of monthly mean data

A tabular summary of the mean (line headed "MEAN"), maximum (line headed "MAX"), and minimum (line headed "MIN") of monthly mean flows for each month for a designated period is provided below the mean values table. The water years of the first occurrence of the maximum and minimum monthly flows are provided immediately below those figures. The designated period will be expressed as "FOR WATER YEARS _____", BY WATER YEAR (WY)," and will list the first and last water years of the range of years selected from the PERIOD OF RECORD paragraph in the station manuscript. It will consist of all of the station record within the specified water years, inclusive, including complete months of record for partial water years, if any, and may coincide with the period of record for the station. The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript.

Summary statistics

A table titled "SUMMARY STATISTICS" follows the statistics of monthly mean data tabulation. This table consists of four columns, with the first column containing the line headings of the statistics being reported. The table provides a statistical summary of yearly, daily, and instantaneous flows, not only for the current water year but also for the previous calendar year and for a designated period, as appropriate. The designated period selected, "WATER YEARS _____", will consist of all of the station record within the specified water years, inclusive, including complete months of record for partial water years, if any, and may coincide with the period of record for the station. The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript. All of the calculations for the statistical characteristics designated ANNUAL (See line headings below.), except for the "ANNUAL 7-DAY MINIMUM" statistic, are calculated for the designated period using complete water years. The other statistical characteristics may be calculated using partial water years.

The date or water year, as appropriate, of the first occurrence of each statistic reporting extreme values of discharge is provided adjacent to the statistic. Repeated occurrences may be noted in the REMARKS paragraph of the manuscript or in footnotes. Because the designated period may not be the same as the station period of record published in the manuscript, occasionally the dates of occurrence listed for the daily and instantaneous extremes in the designated-period column may not be within the selected water years listed in the heading. When this occurs, it will be noted in the REMARKS paragraph or in footnotes. Selected streamflow duration curve statistics and runoff data are also given. Runoff data may be omitted if there is extensive regulation or diversion of flow in the drainage basin.

The following summary statistics data, as appropriate, are provided with each continuous record of discharge. Comments to follow clarify information presented under the various line headings of the summary statistics table.

ANNUAL TOTAL.--The sum of the daily mean values of discharge for the year. At some stations the annual total discharge is adjusted for reservoir storage or diversion. The adjusted figures are identified by a symbol and corresponding footnotes.

ANNUAL MEAN.--The arithmetic mean of the individual daily mean discharges for the year noted or for the designated period. At some stations the yearly mean discharge is adjusted for reservoir storage or diversion. The adjusted figures are identified by a symbol and corresponding footnotes.

HIGHEST ANNUAL MEAN.--The maximum annual mean discharge occurring for the designated period.

LOWEST ANNUAL MEAN.--The minimum annual mean discharge occurring for the designated period.

HIGHEST DAILY MEAN.--The maximum daily mean discharge for the year or for the designated period.

LOWEST DAILY MEAN.--The minimum daily mean discharge for the year or for the designated period.

ANNUAL 7-DAY MINIMUM.--The lowest mean discharge for 7 consecutive days for a calendar year or a water year. Note that most low-flow frequency analyses of annual 7-day minimum flows use a climatic year (April 1 - March 31). The date shown in the summary statistics table is the initial date of the 7-day period. (This value should not be confused with the 7-day 10-year low-flow statistic.)

INSTANTANEOUS PEAK FLOW.--The maximum instantaneous discharge occurring for the water year or for the designated period. Note that secondary instantaneous peak discharges above a selected base discharge are stored in District computer files for stations meeting certain criteria. Those discharge values may be obtained by writing to the District Office. (See address on back of title page of this report.)

INSTANTANEOUS PEAK STAGE.--The maximum instantaneous stage occurring for the water year or for the designated period. If the dates of occurrence for the instantaneous peak flow and instantaneous peak stage differ, the REMARKS paragraph in the manuscript or a footnote may be used to provide further information.

INSTANTANEOUS LOW FLOW.--The minimum instantaneous discharge occurring for the water year or for the designated period.

ANNUAL RUNOFF.--Indicates the total quantity of water in runoff for a drainage area for the year. Data reports may use any of the following units of measurement in presenting annual runoff data:

Acre-foot (AC-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 326,000 gallons or 1,233 cubic meters.

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

Inches (INCHES) indicates the depth to which the drainage area would be covered if all of the runoff for a given time period were uniformly distributed on it.

10 PERCENT EXCEEDS.--The discharge that has been exceeded 10 percent of the time for the designated period.

50 PERCENT EXCEEDS.--The discharge that has been exceeded 50 percent of the time for the designated period.

90 PERCENT EXCEEDS.--The discharge that has been exceeded 90 percent of the time for the designated period.

Data collected at partial-record stations follow the information for continuous-record sites. Data for partial-record discharge stations are presented in two sections. The first section contains stage and discharge data for selected events at flood hydrograph stations. The second section is a table of annual maximum stage and discharge at crest-stage stations. The 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 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 office whose address is 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 figure 4.

Arrangement of Records

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

On-site Measurements and Sample Collection

In obtaining water-quality data, a major concern needs to be assuring that the data obtained represent the in situ quality of the water. To assure this, certain measurements, such as water temperature, pH, and dissolved oxygen, need to be made onsite when the samples are taken. To assure that measurements made in the laboratory also represent the in situ water, carefully prescribed procedures need to be followed in collecting the samples, in treating the samples to prevent changes in quality pending analysis, and in shipping the samples to the laboratory. Procedures for on-site measurements and for collecting, treating, and shipping samples are given in publications on "Techniques of Water-Resources Investigations," Book 1, Chapter D2; Book 3, Chapter A1, A3, and A4; Book 9, Chapters A1-A9. These references are listed in the PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS section of this report. These methods are consistent with ASTM standards and generally follow ISO standards.

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, daily maximum, minimum, and mean temperatures for each day are published.

Sediment

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

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided-day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided-day method. For periods when no samples were collected, daily 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. Methods used in the computation of sediment records are described in the TWRI Book 3, Chapters C1 and C3. These methods are consistent with ASTM standards and generally follow ISO standards.

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

Samples for biochemical-oxygen demand (BOD), samples for indicator bacteria, and daily samples for specific conductance are analyzed locally. Sediment samples are analyzed in the U.S. Geological Survey laboratory in Baton Rouge, Louisiana. All other samples are analyzed in the U.S. Geological Survey laboratories in Arvada, Colorado; Ocala, Florida; or Lawrence, Kansas. Methods used to analyze sediment samples and to compute sediment records are described in TWRI Book 5, Chapter C1. Methods used by the U.S. Geological Survey laboratories are given in TWRI Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, A4 and A5. These methods are consistent with ASTM standards and generally follow ISO standards.

Data Presentation

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

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

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

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

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

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

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

COOPERATION.--Records provided by a cooperating organization or obtained for the U.S. 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 in the U.S. Geological Survey's distributed data system, NWIS, and subsequently to its web-based National data system, NWISWeb [http://water.usgs.gov/nwis/nwis]. 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 NWIS or NWISWeb to insure the most recent updates. Updates to NWISWeb are currently made on an annual basis.

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 (00027) and/or analyzing (00028) samples. A numerical code will not be given in a water-quality table when the collecting and analyzing agency is the U.S. Geological Survey. The agency codes that may be given in this report are as follows:

300	National Atmospheric Deposition Program/ National Trends Network	55555	Individual
810	Corps of Engineers, U.S. Army	66666	Driller
1028	U.S. Geological Survey (USGS)	80020	USGS, National Water-Quality Laboratory, Denver, Colorado
1053	National Park Service	81213	USGS, District Water-Quality Laboratory, Ocala, Florida
3315	Tennessee Valley Authority	82013	USGS, District Research Water-Quality Laboratory, Lawrence, Kansas
9728	Mississippi Department of Health	82213	USGS, District Water-Quality Laboratory, Baton Rouge, Louisiana
28001	Mississippi Office of Pollution Control	99001	Private Contractor
28002	Mississippi Office of Geology	99999	Other
28003	Mississippi Office of Land and Water Resources		

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

Sample Source (72005)		Sampling Condition (72006)	
1	Well head	0.10	Site was being pumped
2	Drill stem test	0.11	Site had been pumped recently
5	Flow line	0.12	Nearby site tapping same aquifer was being pumped
8	Tank	2.	Undesignated
16	Casing leak	4.	Flowing
26	Pump	8.	Pumping
27	Tap near well	10.	Open hole
28	Tap away from well	15.	Bailing
30	Pressure tank	24.	Water flooding
31	Discharge Pipe	26.	Production and development test
33	Bailer	27.	Production by unknown method
74	Lysimeter	30.	Seeping
80	After pressure tank		
Sampling Method (82398)		Well Purging Condition (84143)	
4040	Submersible pump	100	Purged to stable pH
4045	Submersible multiple impeller (Turbine) pump	110	Purged to stable temperature
4090	Jet pump	120	Purged to stable specific conductance
4100	Flowing well		
8010	Other		
Sampler Type (84164)			
4040	Submersible positive-pressure pump		
4045	Submersible gear pump		
4090	Jet pump		
4100	Flowing well		
8010	Other		

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

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

Dissolved Sulfate Analysis

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

Dissolved Trace-Element Concentrations

Traditionally, dissolved trace-element concentrations have been reported at the microgram per liter ($\mu\text{g/L}$) level. Recent evidence, mostly from large rivers, indicates that actual dissolved-phase concentrations for a number of trace elements are within the range of 10's to 100's of nanograms per liter (ng/L). Data above the $\mu\text{g/L}$ level should be viewed with caution. Such data may actually represent elevated environmental concentrations from natural or human causes; however, these data could reflect contamination introduced during sampling, processing, or analysis. To confidently produce dissolved trace-element data with insignificant contamination, the U.S. Geological Survey began using new trace-element protocols at some stations in water year 1994.

Change in National Trends Network Procedures

Sample handling procedures at all National Trends Network stations were changed substantially on January 11, 1994, in order to reduce contamination from the sample shipping container. The data for samples before and after that date are different and not directly comparable. A tabular summary of the differences, based on a special intercomparison study, is available from the NADP Program Office, Illinois State Water Survey, 2204 Griffith Drive, Champaign, IL 61820-7495 (Telephone: 217-333-7873).

Quality-control Data

Data generated from quality-control (QC) samples are a requisite for evaluating the quality of the sampling and processing techniques as well as data from the actual samples themselves. Without QC data, environmental sample data cannot be adequately interpreted because the errors associated with the sample data are unknown. The various types of QC samples collected by this District are described in the following section. Procedures have been established for the storage of water-quality-control data within the USGS. These procedures allow for storage of all derived QC data and are identified so that they can be related to corresponding environmental samples.

BLANK SAMPLES—Blank samples are collected and analyzed to ensure that environmental samples have not been contaminated by the overall data-collection process. The blank solution used to develop specific types of blank samples is a solution that is free of the analytes of interest. Any measured value signal in a blank samples for an analyte (a specific component measured in a chemical analysis) that was absent in the blank solution is believed to be due to contamination. There are many types of blank samples possible, each designed to segregate a different part of the overall data-collection process. The types of blank samples collected in this District are:

Source solution blank - a blank solution that is transferred to a sample bottle in an area of the office laboratory with an atmosphere that is relatively clean and protected with respect to target analytes.

Ambient blank - a blank solution that is put in the same type of bottle used for an environmental sample, kept with the set of sample bottles before sample collection, and opened at the site and exposed to the ambient conditions.

Field blank - a blank solution that is subjected to all aspects of sample collection, field processing, preservation, transportation, and laboratory handling as an environmental sample.

Trip blank - a blank solution that is put in the same type of bottle used for an environmental sample and kept with the set of sample bottles before and after sample collection.

Equipment blank - a blank solution that is processed through all equipment used for collecting and processing an environmental sample (similar to a field blank but normally done in the more controlled conditions of the office.)

Sampler blank - a blank solution that is poured or pumped through the same field sampler used for collecting an environmental sample.

Pump blank - a blank solution that is processed through the same pump-and-tubing system used for an environmental sample.

Standpipe blank - a blank solution that is poured from the containment vessel (stand-pipe) before the pump is inserted to obtain the pump blank.

Filter blank - a blank solution that is filtered in the same manner and through the same filter apparatus used for an environmental sample.

Splitter blank - a blank solution that is mixed and separated using a field splitter in the same manner and through the same apparatus used for an environmental sample.

Preservation blank - a blank solution that is treated with the sampler preservatives used for an environmental sample.

Canister blank - a blank solution that is taken directly from a stainless steel canister just before the VOC sampler is submerged to obtain a field blank sample.

REFERENCE SAMPLES—Reference material is a solution or material prepared by a laboratory whose composition is certified for one or more properties so that it can be used to assess a measurement method. Samples of reference material are submitted for analysis to ensure that an analytical method is accurate for the known properties of the reference material. Generally, the selected reference material properties are similar to the environmental sample properties.

REPLICATE SAMPLES—Replicate samples are a set of environmental samples collected in a manner such that the samples are thought to be essentially identical in composition. Replicate is the general case for which a duplicate is the special case consisting of two samples. Replicate samples are collected and analyzed to establish the amount of variability in the data contributed by some part of the collection and analytical process. There are many types of replicate samples possible, each of which may yield slightly different results in a dynamic hydrologic setting, such as a flowing stream. The types of replicate samples collected in this district are:

Concurrent sample - a type of replicate sample in which the samples are collected simultaneously with two or more samplers or by using one sampler and alternating collection of samples into two or more compositing containers.

Sequential sample - a type of replicate sample in which the samples are collected one after the other, typically over a short time.

Split sample - a type of replicate sample in which a sample is split into subsamples contemporaneous in time and space.

SPIKE SAMPLES-Spike samples are samples to which known quantities of a solution with one or more well-established analyte concentrations have been added. These samples are analyzed to determine the extent of matrix interference or degradation on the analyte concentration during sample processing and analysis.

Concurrent sample - a type of spike sample that is collected at the same time with the same sampling and compositing devices then spiked with the same spike solution containing laboratory-certified concentrations of selected analytes.

Split sample - a type of spike sample in which a sample is split into subsamples contemporaneous in time and space then spiked with the same spike solution containing laboratory-certified concentrations of selected analytes.

Records of Ground-Water Levels

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

Data Collection and Computation

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

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

Water-level records are obtained from direct measurements with a steel tape or from 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) sea level. 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 U.S. Geological Survey, may be noted.

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

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

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 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 TWRI publications referred to in the "On-site Measurements and Sample Collection" and the "Laboratory Measurements" sections in this data report. In addition, the TWRI Book 1, Chapter D2, describes guidelines for the collection and field analysis of ground-water samples for selected unstable constituents. 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. These methods are consistent with ASTM standards and generally follow ISO standards. 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 USGS WATER DATA

The USGS provides near real-time stage and discharge data for many of the gaging stations equipped with the necessary telemetry and historic daily-mean and peak-flow discharge data for most current or discontinued gaging stations through the world wide web (WWW). These data may be accessed at:

<http://water.usgs.gov>

Some water-quality and ground-water data also are available through the WWW. In addition, data can be provided in various machine-readable formats on magnetic tape or 3-1/2-inch floppy disk. Information about the availability of specific types of data or products, and user charges, can be obtained locally from each of the Water Resources Discipline District Offices.

DEFINITION OF TERMS

Specialized technical terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. Terms such as algae, water level, and precipitation are used in their common everyday meanings, definitions of which are given in standard dictionaries. Not all terms defined in this alphabetical list apply to every State. See also the table for converting English units to International System (SI) of Units on the inside of the back cover.

Acid neutralizing capacity (ANC) is the equivalent sum of all bases or base-producing materials, solutes plus particulates, in an aqueous system that can be titrated with acid to an equivalence point. This term designates titration of an "unfiltered" sample (formerly reported as alkalinity).

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

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.

Alkalinity is the capacity of solutes in an aqueous system to neutralize acid. This term designates titration of a "filtered" sample.

Annual runoff is the total quantity of water that is discharged ("runs off") from a drainage basin in a year. Data reports may present annual runoff data as volumes in acre-feet, as discharges per unit of drainage area in cubic feet per second per square mile, or as depths of water on the drainage basin in inches.

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

Cubic foot per second per square mile [CFSM, (ft³/s)/mi²] is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming the runoff is distributed uniformly in time and area.

Inch (IN, in.), as used in this report, refers to the depth to which the drainage area would be covered with water if all of the runoff for a given time period were uniformly distributed on it.

Runoff is the quantity of water that is discharged ("runs off") from a drainage basin in a given time period. Runoff data may be presented as volumes in acre-feet, as mean discharges per unit of drainage area in cubic feet per second per square mile, or as depths of water on the drainage basin in inches.

Aroclor is the registered trademark for a group of polychlorinated biphenyls that were manufactured by the Monsanto Company prior to 1976. Aroclors are assigned specific 4-digit reference numbers dependent upon molecular type and degree of substitution of the biphenyl ring hydrogen atoms by chlorine atoms. The first two digits of a numbered Aroclor represent the molecular type, and the last two digits represent the weight percent of the hydrogen substituted chlorine.

Bacteria are microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, while 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.

Clostridium perfringens (*C. perfringens*) is a spore-forming bacterium that is common in the feces of human and other warm-blooded animals. Clostridial spores are being used experimentally as an indicator of past fecal contamination and presence of microorganisms that are resistant to disinfection and environmental stresses.

Coliphages are viruses that infect and replicate in coliform bacteria. They are indicative of sewage contamination of waters and of the survival and transport of viruses in the environment.

Enterococcus bacteria are commonly found in the feces of humans and other warm-blooded animals. Although some strains are ubiquitous and not related to fecal pollution, the presence of enterococci in water is an indication of fecal pollution and the possible presence of enteric pathogens. Enterococcus bacteria are those bacteria that produce pink to red colonies with black or reddish-brown precipitate after incubation at 41°C on mE agar and subsequent transfer to EIA medium. Enterococci include *Streptococcus faecalis*, *Streptococcus faecium*, *Streptococcus avium*, and their variants.

Escherichia coli (*E. coli*) are bacteria present in the intestine and feces of warm-blooded animals. *E. coli* are a member species of the fecal coliform group of indicator bacteria. In the laboratory, they are defined as those bacteria that produce yellow or yellow-brown colonies on a filter pad saturated with urea substrate broth after primary culturing for 22 to 24 hours at 44.5°C on mTEC medium. Their concentrations are expressed as number of colonies per 100 mL of sample.

DEFINITION OF TERMS--Continued

Fecal coliform bacteria 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 that 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 present in the intestine of warm-blooded animals and are ubiquitous in the environment. They are characterized as gram-positive, cocci bacteria that are capable of growth in brain-heart infusion broth. In the laboratory, they are defined as all the organisms that 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. This group includes coliforms that inhabit the intestine of warm-blooded animals and those that inhabit soils. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria that 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 sustained flow of a stream in the absence of direct runoff. It includes natural and human-induced streamflows. Natural base flow is sustained largely by ground-water discharge.

Benthic organisms are the group of organisms inhabiting the bottom of an aquatic environment. They include a number of types of organisms, such as bacteria, fungi, insect larvae and nymphs, snails, clams, and crayfish. They are useful as indicators of water quality.

Biochemical oxygen demand (BOD) is a measure of the quantity of dissolved oxygen, in milligrams per liter, necessary 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 mass per unit area or volume of habitat.

Ash mass is the mass or amount of residue present after the residue from the dry mass determination has been ashed in a muffle furnace at a temperature of 500°C for 1 hour. Ash mass of zooplankton and phytoplankton is 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 , until the mass remains unchanged. This mass represents the total organic matter, ash, and sediment in the sample. Dry mass is 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 ash mass and represents the actual mass of the living matter. Organic mass is expressed in the same units as for ash mass and dry mass.

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

Biomass pigment ratio is an indicator of the total proportion of periphyton which are autotrophic (plants). This is also called the Autotrophic Index.

Bottom material: See "Bed material."

Cells/volume refers to the number of cells of any organism that is counted by using a microscope and grid or counting cell. Many planktonic organisms are multicelled and are counted according to the number of contained cells per sample volume, and are generally reported as cells or units per milliliter (mL) or liter (L).

Cell volume (biovolume) determination is one of several common methods used to estimate biomass of algae in aquatic systems. Cell members of algae are frequently used in aquatic surveys as an indicator of algal production. However, cell numbers alone cannot represent true biomass because of considerable cell-size variation among the algal species. Cell volume (μm^3) is determined by obtaining critical cell measurements on cell dimensions (for example, length, width, height, or radius) for 20 to 50 cells of each important species to obtain an average biovolume per cell. Cells are categorized according to the correspondence of their cellular shape to the nearest geometric solid or combinations of simple solids (for example, spheres, cones, or cylinders). Representative formulae used to compute biovolume are as follows:

$$\text{sphere } 4/3 \pi r^3 \qquad \text{cone } 1/3 \pi r^2 h \qquad \text{cylinder } \pi r^2 h.$$

π is the ratio of the circumference to the diameter of a circle; $\pi = 3.14159...$

From cell volume, total algal biomass expressed as biovolume ($\mu\text{m}^3/\text{mL}$) is thus determined by multiplying the number of cells of a given species by its average cell volume and then summing these volumes over all species.

Cfs-day: See "Cubic foot per second-day."

DEFINITION OF TERMS--Continued

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 BOD or with carbonaceous organic pollution from sewage or industrial wastes.

Color unit is produced by 1 milligram per liter of platinum in the form of the chloroplatinate ion. Color is expressed in units of the platinum-cobalt scale.

Confined aquifer is a term used to describe an aquifer containing water between two relatively impermeable boundaries. The water level in a well tapping a confined aquifer stands above the top of the confined aquifer and can be higher or lower than the water table that may be present in the material above it. In some cases the water level can rise above the ground surface, yielding a flowing well.

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.

Continuous-record station is a site where data are collected with sufficient frequency to define daily mean values and variations within a day.

Control designates a feature in the channel downstream from a gaging station that physically influences the water-surface elevation and thereby determines the stage-discharge relation at the gage. This feature may be a constriction of the channel, a bedrock outcrop, a gravel bar, 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 foot per second (CFS, ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point in 1 second. It is equivalent to approximately 7.48 gallons per second or 449 gallons per minute, or 0.02832 cubic meters per second. The term "second-feet" sometimes is used synonymously with "cubic feet per second" but is now obsolete.

Cubic foot per second-day (CFS-DAY, Cfs-day , $[\text{ft}^3/\text{s}]/\text{d}$) is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 1.98347 acre-feet, 646,317 gallons, or 2,446.6 cubic meters. The daily-mean discharges reported in the daily-value data tables are numerically equal to the daily volumes in cfs-days, and the totals also represent volumes in cfs-days.

Daily record station is a site where data are collected with sufficient frequency to develop a record of one or more data values per day. The frequency of data collection can range from continuous recording to periodic sample or data collection on a daily or near-daily basis.

Data Collection Platform (DCP) is an electronic instrument that collects, processes, and stores data from various sensors, and transmits the data by satellite data relay, line-of-sight radio, and/or landline telemetry.

Data logger is a microprocessor-based data acquisition system designed specifically to acquire, process, and store data. Data are usually downloaded from onsite data loggers for entry into office data systems.

Datum is a surface or point relative to which measurements of height and/or horizontal position are reported. A vertical datum is a horizontal surface used as the zero point for measurements of gage height, stage, or elevation; a horizontal datum is a reference for positions given in terms of latitude-longitude, State Plane coordinates, UTM coordinates.

Gage datum is a horizontal surface used as zero point for measurement of stage or gage height. This surface usually is located slightly below the lowest point of the stream bottom such that the gage height is usually slightly larger than the maximum depth of water. Because the gage datum itself is not an actual physical object, the datum usually is defined by specifying the elevations of permanent reference marks such as bridge abutments and survey monuments, and the gage is set to agree with the reference marks. Gage datum is a local datum that is maintained independently of any National geodetic datum. However, if the elevation of the gage datum relative to the National datum (North American Vertical Datum of 1988 or National Geodetic Vertical Datum of 1929) has been determined, then the gage readings can be converted to elevations above the National datum by adding the elevation of the gage datum to the gage reading.

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

Mean sea level is a local tidal datum. It is the arithmetic mean of hourly heights observed over the National Tidal Datum Epoch. Shorter series are specified in the name; for example, monthly mean sea level and yearly mean sea level. In order that they may be recovered when needed, such datums are referenced to fixed points known as benchmarks.

National Geodetic Vertical Datum of 1929 (NGVD of 1929) is a fixed reference adopted as a standard for elevations determined by leveling. It was formerly called "Sea Level Datum of 1929" or "mean sea level". Although the datum was derived from the mean sea level at 26 tide stations, it does not necessarily represent local mean sea level at any particular place. See NOAA web site:

DEFINITION OF TERMS--Continued

North American Vertical Datum of 1988 (NAVD 1988) is a fixed reference adopted as the official civilian vertical datum for elevations determined by Federal surveying and mapping activities in the U.S. This datum was established in 1991 by minimum-constraint adjustment of the Canadian, Mexican, and U.S. first-order terrestrial leveling networks.

Diel is of or pertaining to a 24-hour period of time; a regular daily cycle.

Discharge, or flow, is the rate that matter passes through a cross section of a stream channel or other water body per unit of time. The term commonly refers to the volume of water (including, unless otherwise stated, any sediments or other constituents suspended or dissolved in the water) that passes a cross section in a stream channel, canal, pipeline, etc., within a given period of time (cubic feet per second). Discharge also can apply to the rate at which constituents such as suspended sediment, bedload, and dissolved or suspended chemical constituents, pass through a cross section, in which cases the quantity is expressed as the mass of constituent that passes the cross section in a given period of time (tons per day).

Annual 7-day minimum is the lowest mean value for any 7-consecutive day period in a year. Annual 7-day minimum values are reported herein for the calendar year and the water year (October 1 to September 30). Most low-flow frequency analyses use a climatic year (April 1-March 31), which tends to prevent the low-flow period from being artificially split between adjacent years. The date shown in the summary statistics table is the initial date of the 7-day period. (This value should not be confused with the 7-day 10-year low-flow statistic.)

Base discharge (for peak discharge) is a discharge value, determined for selected stations, above which peak discharge data are published. The base discharge at each station is selected so that an average of about three peaks per year will be published.

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

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

Dissolved refers to that material in a representative water sample that passes through a 0.45-micrometer membrane filter. This is a convenient operational definition used by Federal and State agencies that collect water-quality data. Determinations of "dissolved" constituent concentrations are made on sample water that has been filtered.

Dissolved oxygen (DO) is the molecular oxygen (oxygen gas) dissolved in water. The concentration in water is a function of atmospheric pressure, temperature, and dissolved-solids concentration of the water. The ability of water to retain oxygen decreases with increasing temperature or dissolved solids concentration. Photosynthesis and respiration by plants commonly cause diurnal variations in dissolved-oxygen concentration in water from some streams.

Dissolved-solids concentration in water is the quantity of dissolved material in a sample of water. It 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, the bicarbonate (generally a major dissolved component of water) is converted to carbonate. In the mathematical calculation, the bicarbonate value, in milligrams per liter, is multiplied by 0.4926 to convert it to carbonate. Alternatively, alkalinity concentration (as mg/L CaCO₃) can be converted to carbonate concentration by multiplying by 0.60.

Diversity index (H) (Shannon Index) is a numerical expression of evenness of distribution of aquatic organisms. The formula for diversity index is:

$$\bar{d} = - \sum_{i=1}^s \frac{n_i}{n} \log_2 \frac{n_i}{n}$$

where n_i is the number of individuals per taxon, n is the total number of individuals, and s is the total number of taxa in the sample of the community. Index values range from zero, when all the organisms in the sample are the same, to some positive number, when some or all of the organisms in the sample are different.

Drainage area of a stream at a specific location is that area upstream from the location, measured in a horizontal plane, that has a common outlet at the site for its surface runoff from precipitation that normally drains by gravity into a stream. Drainage areas given herein include all closed basins, or noncontributing areas, within the area unless otherwise specified.

Drainage basin is a part of the Earth's surface that contains a drainage system with a common outlet for its surface runoff (see "Drainage area").

Dry weight refers to the weight of animal tissue after it has been dried in an oven at 65°C until a constant weight is achieved. Dry weight represents total organic and inorganic matter in the tissue.

EPT Index is the total number of distinct taxa within the insect orders Ephemeroptera, Plecoptera, and Trichoptera. This index summarizes the taxa richness within the aquatic insects that are generally considered pollution sensitive, the index usually decreases with pollution.

DEFINITION OF TERMS--Continued

Estimated (E) value of a concentration is reported when an analyte is detected and all criteria for a positive result are met. If the concentration is less than the method detection limit (MDL), an 'E' code will be reported with the value. If the analyte is qualitatively identified as present, but the quantitative determination is substantially more uncertain, the National Water Quality Laboratory will identify the result with an 'E' code even though the measured value is greater than the MDL. A value reported with an 'E' code should be used with caution. When no analyte is detected in a sample, the default reporting value is the MDL preceded by a less than sign (<).

Extractable organic halides (EOX) are organic compounds that contain halogen atoms such as chlorine. These organic compounds are semi-volatile and extractable by ethyl acetate from air-dried streambed sediments. The ethyl acetate extract is combusted, and the concentration is determined by microcoulometric determination of the halides formed. The concentration is reported as micrograms of chlorine per gram of the dry weight of the streambed sediments.

Flow-duration percentiles are values on a scale of 100 that indicate the percentage of time for which a flow is not exceeded. For example, the 90th percentile of river flow is greater than or equal to 90 percent of all recorded flow rates.

Gage height (G.H.) is the water-surface elevation, in feet above the gage datum. If the water surface is below the gage datum, the gage height is negative. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used in reference to a reading on a gage.

Gage values are values that are recorded, transmitted and/or computed from a gaging station. Gage values typically are collected at 5-, 15-, or 30-minute intervals.

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

Gas chromatography/flame ionization detector (GC/FID) is a laboratory analytical method used as a screening technique for semivolatile organic compounds that are extractable from water in methylene chloride.

Habitat quality index is the qualitative description (level 1) of instream habitat and riparian conditions surrounding the reach sampled. Scores range from 0 to 100 percent with higher scores indicative of desirable habitat conditions for aquatic life. Index only applicable to wadable streams.

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 (primarily calcium and magnesium) and is expressed as the equivalent concentration of calcium carbonate (CaCO_3).

High tide is the maximum height reached by each rising tide. The high-high and low-high tides are the higher and lower of the two high tides, respectively, of each tidal day. See NOAA web site:

<http://www.co-ops.nos.noaa.gov/tideglos.html>

Hilsenhoff's Biotic Index (HBI) is an indicator of organic pollution which uses tolerance values to weight taxa abundances; usually increases with pollution. It is calculated as follows:

$$\text{HBI} = \frac{\sum (n)(a)}{N}$$

where n is the number of individuals of each taxon, a is the tolerance value of each taxon, and N is the total number of organisms in the sample.

Horizontal datum: See "Datum."

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

Hydrologic index stations referred to in this report are four continuous-record gaging stations that have been selected as representative of streamflow patterns for their respective regions. Station locations are shown on index maps.

Hydrologic unit is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as defined by the former Office of Water Data Coordination and delineated on the State Hydrologic Unit Maps by the U.S. Geological Survey. Each hydrologic unit is identified by an 8-digit number.

DEFINITION OF TERMS--Continued

Laboratory Reporting Level (LRL) is generally equal to twice the yearly determined long-term method detection level (LT-MDL). The LRL controls false negative error. The probability of falsely reporting a non-detection for a sample that contained an analyte at a concentration equal to or greater than the LRL is predicted to be less than or equal to 1 percent. The value of the LRL will be reported with a "less than" (<) remark code for samples in which the analyte was not detected. The National Water Quality Laboratory collects quality-control data from selected analytical methods on a continuing basis to determine LT-MDLs and to establish LRLs. These values are reevaluated annually based on the most current quality-control data and may, therefore, change. [Note: In several previous NWQL documents (Connor and others, 1998; NWQL Technical Memorandum 98.07, 1998), LRL was called the non-detection value or NDV - a term that is no longer used].

Light-attenuation coefficient, also known as the extinction coefficient, is a measure of water clarity. Light is attenuated according to the Lambert-Beer equation

$$I = I_0 e^{-\lambda L}$$

where I_0 is the source light intensity, I is the light intensity at length L (in meters) from the source, λ is the light-attenuation coefficient, and e is the base of the natural logarithm. The light attenuation coefficient is defined as

$$\lambda = -\frac{1}{L} \log_e \frac{I}{I_0}$$

Lipid is any one of a family of compounds that are insoluble in water and that make up one of the principal components of living cells. Lipids include fats, oils, waxes, and steroids. Many environmental contaminants such as organochlorine pesticides are lipophilic.

Long-Term Method Detection Level (LT-MDL) is a detection level derived by determining the standard deviation of a minimum of 24 method detection limit (MDL) spike sample measurements over an extended period of time. LT-MDL data are collected on a continuous basis to assess year-to-year variations in the LT-MDL. The LT-MDL controls false positive error. The chance of falsely reporting a concentration at or greater than the LT-MDL for a sample that did not contain the analyte is predicted to be less than or equal to 1 percent.

Low tide is the minimum height reached by each falling tide. The high-low and low-low tides are the higher and lower of the two low tides, respectively, of each tidal day. See NOAA web site:

<http://www.co-ops.nos.noaa.gov/tideglos.html>

Macrophytes are the macroscopic plants in the aquatic environment. The most common Macrophytes are the rooted vascular plants that are usually arranged in zones in aquatic ecosystems and restricted in the area by the extent of illumination through the water and sediment deposition along the shoreline.

Mean high or low tide is the average of all high or low tides, respectively, over a specific period.

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

Membrane filter is a thin microporous material of specific pore size used to filter bacteria, algae, and other very small particles from water.

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.

Method Detection Limit (MDL) is the minimum concentration of a substance that can be measured and reported with 99-percent confidence that the analyte concentration is greater than zero. It is determined from the analysis of a sample in a given matrix containing the analyte. At the MDL concentration, the risk of a false positive is predicted to be less than or equal to 1 percent.

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 (UG/G, µg/g) is a unit expressing the concentration of a chemical constituent as the mass (micrograms) of the element per unit mass (gram) of material analyzed.

Micrograms per kilogram (UG/KG, µg/kg) is a unit expressing the concentration of a chemical constituent as the mass (micrograms) of the constituent per unit mass (kilogram) of the material analyzed. One microgram per kilogram is equivalent to 1 part per billion.

Micrograms per liter (UG/L, µg/L) is a unit expressing the concentration of chemical constituents in water as mass (micrograms) of constituent per unit volume (liter) of water. One thousand micrograms per liter is equivalent to 1 milligram per liter. One microgram per liter is equivalent to 1 part per billion.

DEFINITION OF TERMS--Continued

Microsiemens per centimeter (US/CM, $\mu\text{S}/\text{cm}$) is a unit expressing the amount of electrical conductivity of a solution as measured between opposite faces of a centimeter cube of solution at a specified temperature. Siemens is the International System of Units nomenclature. It is synonymous with mhos and is the reciprocal of resistance in ohms.

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

Minimum Reporting Level (MRL) is the smallest measured concentration of a constituent that may be reliably reported by using a given analytical method (Timme, 1995.)

Miscellaneous site, miscellaneous station, or miscellaneous sampling site is a site where streamflow, sediment, and/or water-quality data or water-quality or sediment samples are collected once, or more often on a random or discontinuous basis to provide better areal coverage for defining hydrologic and water-quality conditions over a broad area in a river basin.

Most probable number (MPN) is an index of the number of coliform bacteria that, more probably than any other number, would give the results shown by the laboratory examination; it is not an actual enumeration. MPN is determined from the distribution of gas-positive cultures among multiple inoculated tubes.

Multiple-plate samplers are artificial substrates of known surface area used for obtaining benthic invertebrate samples. They consist of a series of spaced, hardboard plates on an eyebolt.

Nanograms per liter (NG/L, ng/L) is a unit expressing the concentration of chemical constituents in solution as mass (nanograms) of solute per unit volume (liter) of water. One million nanograms per liter is equivalent to 1 milligram per liter.

Nekton are the consumers in the aquatic environment and consist of large free-swimming organisms that are capable of sustained, directed mobility.

Nephelometric turbidity unit (NTU) is the measurement for reporting turbidity that is based on use of a standard suspension of Formazin. Turbidity measured in NTU uses nephelometric methods that depend on passing specific light of a specific wavelength through the sample.

Open or screened interval is the length of unscreened opening or of well screen through which water enters a well, in feet below land surface.

Organic carbon (OC) is a measure of organic matter present in aqueous solution, suspension, or bottom sediments. May be reported as dissolved organic carbon (DOC), particulate organic carbon (POC), or total organic carbon (TOC).

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

Organism count/total is the number of organisms collected and enumerated in any particular sample.

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.

Organochlorine compounds are any chemicals that contain carbon and chlorine. Organochlorine compounds that are important in investigations of water, sediment, and biological quality include certain pesticides and industrial compounds.

Parameter Code is a 5-digit number used in the U.S. Geological Survey's computerized data system, National Water Information System (NWIS), to uniquely identify a specific constituent or property.

Partial-record station is a site where discrete measurements of one or more hydrologic parameters are obtained over a period of time without continuous data being recorded or computed. A common example is a crest-stage gage partial-record station at which only peak stages and flows are recorded.

Particle size is the diameter, in millimeters (mm), of a particle determined by sieve or sedimentation methods. The sedimentation method utilizes the principle of Stokes Law to calculate sediment particle sizes. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube, Sedigraph) 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).

DEFINITION OF TERMS--Continued

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

Classification	Size (mm)	Method of analyses
Clay.....	0.00024 - 0.004	Sedimentation.
Silt.....	0.004 - 0.062	Sedimentation.
Sand.....	0.062 - 2.0	Sedimentation/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 matter 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.

Peak flow (peak stage) is an instantaneous local maximum value in the continuous time series of streamflows or stages, preceded by a period of increasing values and followed by a period of decreasing values. Several peak values ordinarily occur in a year. The maximum peak value in a year is called the annual peak; peaks lower than the annual peak are called secondary peaks. Occasionally, the annual peak may not be the maximum value for the year; in such cases, the maximum value occurs at midnight at the beginning or end of the year, on the recession from or rise toward a higher peak in the adjoining year. If values are recorded at a discrete series of times, the peak recorded value may be taken as an approximation to the true peak, which may occur between the recording instants. If the values are recorded with finite precision, a sequence of equal recorded values may occur at the peak; in this case, the first value is taken as the peak.

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

Percent shading is determined by using a clinometer to estimate left and right bank shading. The values are added together and divided by 180 to determine percent shading relative to a horizontal surface.

Taxa richness is the total number of distinct species or groups and usually decreases with pollution.

Periodic-record station is a site where stage, discharge, sediment, chemical, physical, or other hydrologic measurements are made one or more times during a year, but at a frequency insufficient to develop a daily record.

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

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

pH of water is the negative logarithm of the hydrogen-ion activity. Solutions with pH less than 7 are termed "acidic," and solutions with a pH greater than 7 are termed "basic." Solutions with a pH of 7 are neutral. The presence and concentration of many dissolved chemical constituents found in water are, in part, influenced by the hydrogen-ion activity of water. Biological processes including growth, distribution of organisms, and toxicity of the water to organisms are also influenced, in part, by the hydrogen-ion activity of water.

Picocurie (PC, pCi) is one trillionth (1×10^{-12}) of the amount of radioactive nuclide represented by a curie (Ci). A curie is the quantity of radioactive nuclide that yields 3.7×10^{10} radioactive disintegrations per second (dps). A picocurie yields 0.037 dps, or 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. Concentrations are expressed as a number of cells per milliliter (cells/mL of sample).

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 (Cyanophyta) 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. Concentrations are expressed as a number of cells per milliliter (cells/mL) of sample.

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.

Euglenoids (Euglenophyta) are a group of algae that are usually free-swimming and rarely creeping. They have the ability to grow either photosynthetically in the light or heterotrophically in the dark.

DEFINITION OF TERMS--Continued

Fire algae (Pyrrhophyta) are free-swimming unicells characterized by a red pigment spot.

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

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

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.

Polychlorinated naphthalenes (PCNs) are industrial chemicals that are mixtures of chlorinated naphthalene compounds. They have properties and applications similar to polychlorinated biphenyls (PCBs) and have been identified in commercial PCB preparations.

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 (carbon method) by the plants.

Primary productivity (carbon method) is expressed as milligrams of carbon per area per unit time [$\text{mg C}/(\text{m}^2/\text{time})$] for periphyton and macrophytes or per volume [$\text{mg C}/(\text{m}^3/\text{time})$] for phytoplankton. Carbon method defines 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.

Primary productivity (oxygen method) is expressed as milligrams of oxygen per area per unit time [$\text{mg O}/(\text{m}^2/\text{time})$] for periphyton and macrophytes or per volume [$\text{mg O}/(\text{m}^3/\text{time})$] for phytoplankton. Oxygen method defines 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.

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 bed (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 in all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Recurrence interval, also referred to as return period, is the average time, usually expressed in years, between occurrences of hydrologic events of a specified type (such as exceedances of a specified high flow or non-exceedance of a specified low flow). The terms "return period" and "recurrence interval" do not imply regular cyclic occurrence. The actual times between occurrences vary randomly, with most of the times being less than the average and a few being substantially greater than the average. For example, the 100-year flood is the flow rate that is exceeded by the annual maximum peak flow at intervals whose average length is 100 years (that is, once in 100 years, on average); almost two-thirds of all exceedances of the 100-year flood occur less than 100 years after the previous exceedance, half occur less than 70 years after the previous exceedance, and about one-eighth occur more than 200 years after the previous exceedance. Similarly, the 7-day 10-year low flow ($7Q_{10}$) is the flow rate below which the annual minimum 7-day-mean flow dips at intervals whose average length is 10 years (that is, once in 10 years, on average); almost two-thirds of the non-exceedances of the $7Q_{10}$ occur less than 10 years after the previous non-exceedance, half occur less than 7 years after, and about one-eighth occur more than 20 years after the previous non-exceedance. The recurrence interval for annual events is the reciprocal of the annual probability of occurrence. Thus, the 100-year flood has a 1-percent chance of being exceeded by the maximum peak flow in any year, and there is a 10-percent chance in any year that the annual minimum 7-day-mean flow will be less than the $7Q_{10}$.

Seven-day 10-year low flow ($7Q_{10}$) is the discharge below which the annual 7-day minimum flow falls in 1 year out of 10 on the long-run average. The recurrence interval of the $7Q_{10}$ is 10 years; the chance that the annual 7-day minimum flow will be less than the $7Q_{10}$ is 10 percent in any given year.

Replicate samples are a group of samples collected in a manner such that the samples are thought to be essentially identical in composition.

DEFINITION OF TERMS--Continued

Return period: See "Recurrence interval."

River mileage is the curvilinear distance, in miles, measured upstream from the mouth along the meandering path of a stream channel in accordance with Bulletin No. 14 (October 1968) of the Water Resources Council, and typically used to denote location along a river.

Sea level, as used in this report, refers to one of the two commonly used national vertical datums, 1929 or NAVD 1988). See separate entries for definitions of these datums. See conversion of units page (inside back cover) for identification of the datum used in this report.

Sediment is solid material that originates mostly from disintegrated rocks; when transported by, suspended in, or deposited from water, it is referred to as "fluvial sediment." Sediment 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 and land-use factors. Some major factors are topography, soil characteristics, land cover, and depth and intensity of precipitation.

Bedload is material in transport that is supported primarily by the streambed. In this report, bedload is considered to consist of particles in transit from the bed to an elevation equal to the top of the bedload sampler nozzle (ranging from 0.25 to 0.5 ft) that are retained in the bedload sampler. A sample collected with a pressure-differential bedload sampler may also contain a component of the suspended load.

Bedload discharge (tons per day) is the rate of sediment moving as bedload, reported as dry weight, that passes through a cross section in a given time. NOTE: Bedload discharge values in this report may include a component of the suspended-sediment discharge. A correction may be necessary when computing the total sediment discharge by summing the bedload discharge and the suspended-sediment discharge.

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

Suspended sediment is the sediment 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). The analytical technique uses the mass of all of the sediment and the net weight of the water-sediment mixture in a sample to compute the suspended-sediment concentration.

Mean concentration of suspended sediment is the time-weighted concentration of suspended sediment passing a stream cross section during a given time period.

Suspended-sediment discharge (tons/day) is the rate of sediment transport, as measured by dry mass or volume, that passes a cross 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.

Total sediment discharge is the mass of suspended-sediment plus bed-load transport, measured as dry weight, that passes a cross section in a given time. It is a rate and is reported as tons per day.

Suspended-sediment load is a general term that refers to a given characteristic of the material in suspension that passes a point during a specified period of time. The term needs to be qualified, such as "annual suspended-sediment load" or "sand-size suspended-sediment load," and so on. It is not synonymous with either suspended-sediment discharge or concentration.

Total sediment load or total load is the sediment in transport as bedload and suspended-sediment load. The term may be qualified, such as "annual suspended-sediment load" or "sand-size suspended-sediment load," and so on. It differs from total sediment discharge in that load refers to the material, whereas discharge refers to the quantity of material, expressed in units of mass per unit time.

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. Sodium hazard in water is an index that can be used to evaluate the suitability of water for irrigating crops.

Specific electrical conductance (conductivity) is a measure of the capacity of water (or other media) to conduct an electrical current. It is expressed in microsiemens per centimeter at 25°C. Specific electrical conductance is a function of the types and quantity of dissolved substances in water and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is from 55 to 75 percent of the specific conductance (in microsiemens). This relation is not constant from stream to stream, and it may vary in the same source with changes in the composition of the water.

Stable isotope ratio (per MILL/MIL) is a unit expressing the ratio of the abundance of two radioactive isotopes. Isotope ratios are used in hydrologic studies to determine the age or source of specific waters, to evaluate mixing of different waters, as an aid in determining reaction rates and other chemical or hydrologic processes.

Stage: See "Gage height."

DEFINITION OF TERMS--Continued

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

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 that 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 plexiglas strips for periphyton collection.

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

Substrate Embeddedness Class is a visual estimate of riffle streambed substrate larger than gravel that is surrounded or covered by fine sediment (<2mm, sand or finer). Below are the class categories expressed as percent covered by fine sediment:

0	<no gravel or larger substrate		
1	>75%		
2	51-75%	4	5-25%
3	26-50%	5	<5%

Surface area of a lake is that area (acres) encompassed by the boundary of the lake as shown on USGS topographic maps, or other available maps or photographs. Because surface area changes with lake stage, surface areas listed in this report represent those determined for the stage at the time the maps or photographs were obtained.

Surficial bed material is the upper surface (0.1 to 0.2 ft) of the bed material such as that material which 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 operationally defined as 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 suspended water-sediment sample that is retained on a 0.45-micrometer 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 directly analyzing the suspended 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 water-sediment sample that is retained on a 0.45-micrometer membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. 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 directly analyzing portions of the suspended material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total concentrations of the constituent.

Suspended solids, total residue at 105°C concentration is the concentration of inorganic and organic material retained on a filter, expressed as milligrams of dry material per liter of water (mg/L). An aliquot of the sample is used for this analysis.

Synoptic studies are short-term investigations of specific water-quality conditions during selected seasonal or hydrologic periods to provide improved spatial resolution for critical water-quality conditions. For the period and conditions sampled, they assess the spatial distribution of selected water-quality conditions in relation to causative factors, such as land use and contaminate sources.

DEFINITION OF TERMS--Continued

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

Kingdom.....	Animal
Phylum.....	Arthropoda
Class.....	Insecta
Order.....	Ephemeroptera
Family.....	Ephemeridae
Genus.....	<i>Hexagenia</i>
Species.....	<i>Hexagenia limbata</i>

Temperature preferences:

Cold - preferred water temperature for the species is less than 20°C or spawning temperature preference less than 16°C and native distribution is considered to be predominantly north of 45° N. latitude.

Warm - preferred water temperatures for the species is greater than 20°C or spawning temperature preference greater than 16°C and native distribution is considered to be south of 45° N. latitude.

Cool - intermediate between cold and warm water temperature preference.

Thermograph is an instrument that continuously records variations of temperature on a chart. The more general term "temperature recorder" is used in the table descriptions 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 resulting from the mixing of flow proportionally to the duration of the concentration.

Tons per acre-foot (T/acre-ft) is the dry mass (tons) of a constituent per unit volume (acre-foot) of water. It is computed by multiplying the concentration of the constituent, in milligrams per liter, by 0.00136.

Tons per day (T/DAY, tons/d) is a common chemical or sediment discharge unit. It is the quantity of a substance in solution, in suspension, or as bedload that passes a stream section during a 24-hour period. It is equivalent to 2,000 pounds per day, or 0.9072 metric tons per day.

Total is the amount of a given constituent in a representative whole-water (unfiltered) 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 both that the sample consists of a water-suspended sediment mixture and that the analytical method determined at least 95 percent of the constituent in the sample.)

Total discharge is the quantity of a given constituent, measured as dry mass or volume, that passes a stream cross section per unit of time. When referring to constituents other than water, this term needs to be qualified, such as "total sediment discharge," "total chloride discharge," and so on.

Total in bottom material is the 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. 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 in bottom material."

Total length (fish) is the straight-line distance from the anterior point of a fish specimen's snout, with the mouth closed, to the posterior end of the caudal (tail) fin, with the lobes of the caudal fin squeezed together.

Total load refers to all of a constituent in transport. When referring to sediment, it includes suspended load plus bed load.

Total recoverable is the amount of a given constituent in a whole-water sample after a 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 for whole-water samples, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures may produce different analytical results.

DEFINITION OF TERMS--Continued

Trophic group:

Filter feeder - diet composed of suspended plant and/or animal material.

Herbivore - diet composed predominantly of plant material.

Invertivore - diet composed predominantly of invertebrates.

Omnivore - diet composed of at least 25-percent plant and 25-percent animal material.

Piscivore - diet composed predominantly of fish.

Turbidity is the reduction in the transparency of a solution due to the presence of suspended and some dissolved substances. The measurement technique records the collective optical properties of the solution that causes light to be scattered and attenuated rather than transmitted in straight lines; the higher the intensity of scattered or attenuated light, the higher the value of the turbidity. Turbidity is expressed in nephelometric turbidity units (NTU). Depending on the method used, the turbidity units as NTU can be defined as the intensity of light of a specific wavelength scattered or attenuated by suspended particles or absorbed at a method specified angle, usually 90 degrees, from the path of the incident light. Currently approved methods for the measurement of turbidity in the USGS include those that conform to EPA Method 180.1, ASTM D1889-00, and ISO 7027. Measurements of turbidity by these different methods and different instruments are unlikely to yield equivalent values. Consequently, the method of measurement and type of instrument used to derive turbidity records should be included in the "REMARKS" column of the Annual Data Report.

Ultraviolet (UV) absorbance (absorption) at 254 or 280 nanometers is a measure of the aggregate concentration of the mixture of UV absorbing organic materials dissolved in the analyzed water, such as lignin, tannin, humic substances, and various aromatic compounds, UV absorbance (absorption) at 254 or 280 nanometers is measured in UV absorption units per centimeter of pathlength of UV light through a sample.

Vertical datum: See "Datum."

Volatile Organic Compounds (VOCs) are organic compounds that can be isolated from the water phase of a sample by purging the water sample with inert gas, such as helium, and subsequently analyzed by gas chromatography. Many VOCs are human-made chemicals that are used and produced in the manufacture of paints, adhesives, petroleum products, pharmaceuticals, and refrigerants. They are often components of fuels, solvents, hydraulic fluids, paint thinners, and dry cleaning agents commonly used in urban settings. VOC contamination of drinking-water supplies is a human health concern because many are toxic and are known or suspected human carcinogens (U.S. Environmental Protection Agency, 1996).

Water table is the level in the saturated zone at which the pressure is equal to the atmospheric pressure.

Water-table aquifer is an unconfined aquifer within which is found the water table.

Water year in U.S. 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, 1975, is called the "1975 water year."

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

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

Wet weight refers to the weight of animal tissue or other substance including its contained water.

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

TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS OF THE U.S. GEOLOGICAL SURVEY

The U.S. Geological Survey (USGS) 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, Branch of Information Services, Box 25286, Federal Center, Denver, Colorado 80225 (authorized agent of the Superintendent of Documents, Government Printing Office). Prepayment is required. Remittance should be made in the form of a 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 mention the "U.S. Geological Survey Techniques of Water-Resources Investigations."

Book 1. Collection of Water Data by Direct Measurement

Section D. Water Quality

- 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.

Book 2. Collection of Environmental Data

Section D. Surface Geophysical Methods

- 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-D2. *Application of seismic-refraction techniques to hydrologic studies*, by F.P. Haeni: USGS--TWRI Book 2, Chapter D2. 1988. 86 pages.

Section E. Subsurface Geophysical Methods

- 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.
- 2-E2. *Borehole geophysics applied to ground-water investigations*, by W.S. Keys: USGS--TWRI Book 2, Chapter E2. 1990. 150 pages.

Section F. Drilling and Sampling Methods

- 2-F1. *Application of drilling, coring, and sampling techniques to test holes and wells*, by Eugene Shuter and W.E. Teasdale: USGS--TWRI Book 2, Chapter F1. 1989. 97 pages.

Book 3. Applications of Hydraulics

Section A. Surface-Water Techniques

- 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 measurement at gaging stations*, by T.J. Buchanan and W.P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.
- 3-A8. *Discharge measurements at gaging stations*, by T.J. Buchanan and W.P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.
- 3-A9. *Measurement of time of travel in streams by dye tracing*, by F.A. Kilpatrick and J.F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1989. 27 pages.
- 3-A10. *Discharge ratings at gaging stations*, by E.J. Kennedy: USGS--TWRI Book 3, Chapter A10. 1984. 59 pages.
- 3-A11. *Measurement of discharge by the moving-boat method*, by G.F. Smoot and C.E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.
- 3-A12. *Fluorometric procedures for dye tracing*, Revised, by J.F. Wilson, Jr., E.D. Cobb, and F.A. Kilpatrick: USGS--TWRI Book 3, Chapter A12. 1986. 34 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.

TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS OF THE U.S. GEOLOGICAL SURVEY--Continued

Book 3. Applications of Hydraulics--Continued

Section A. Surface-Water Techniques--Continued

- 3-A15. *Computation of water-surface profiles in open channels*, by Jacob Davidian: USGS--TWRI Book 3, Chapter A15. 1984. 48 pages.
- 3-A16. *Measurement of discharge using tracers*, by F.A. Kilpatrick and E.D. Cobb: USGS--TWRI Book 3, Chapter A16. 1985. 52 pages.
- 3-A17. *Acoustic velocity meter systems*, by Antonius Laenen: USGS--TWRI Book 3, Chapter A17. 1985. 38 pages.
- 3-A18. *Determination of stream reaeration coefficients by use of tracers*, by F.A. Kilpatrick, R.E. Rathbun, Nobuhiro Yotsukura, G.W. Parker, and L.L. DeLong: USGS--TWRI Book 3, Chapter A18. 1989. 52 pages.
- 3-A19. *Levels at streamflow gaging stations*, by E.J. Kennedy: USGS--TWRI Book 3, Chapter A19. 1990. 31 pages.
- 3-A20. *Simulation of soluble waste transport and buildup in surface waters using tracers*, by F.A. Kilpatrick: USGS--TWRI Book 3, Chapter A20. 1993. 38 pages.
- 3-A21. *Stream-gaging cableways*, by C. Russell Wagner: USGS--TWRI Book 3, Chapter A21. 1995. 56 pages.

Section B. Ground-Water Techniques

- 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 programmed 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-B4. *Regression modeling of ground-water flow*, by R.L. Cooley and R.L. Naff: USGS--TWRI Book 3, Chapter B4. 1990. 232 pages.
- 3-B4. *Supplement 1. Regression modeling of ground-water flow - Modifications to the computer code for nonlinear regression solution of steady-state ground-water flow problems*, by R.L. Cooley: USGS--TWRI Book 3, Chapter B4. 1993. 8 pages.
- 3-B5. *Definition of boundary and initial conditions in the analysis of saturated ground-water flow systems--An introduction*, by O.L. Franke, T.E. Reilly, and G.D. Bennett: USGS--TWRI Book 3, Chapter B5. 1987. 15 pages.
- 3-B6. *The principle of superposition and its application in ground-water hydraulics*, by T.E. Reilly, O.L. Franke, and G.D. Bennett: USGS--TWRI Book 3, Chapter B6. 1987. 28 pages.
- 3-B7. *Analytical solutions for one-, two-, and three-dimensional solute transport in ground-water systems with uniform flow*, by E.J. Wexler: USGS--TWRI Book 3, Chapter B7. 1992. 190 pages.
- 3-B8. *System and boundary conceptualization in ground-water flow simulation*, by T.E. Reilly: USGS--TWRI Book 3, Chapter B8. 2001. 29 pages.

Section C Sedimentation and Erosion Techniques

- 3-C1. *Fluvial sediment concepts*, by H.P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.
- 3-C2. *Field methods for measurement of fluvial sediment*, by Thomas K. Edwards and G. Douglas Glysson: USGS--TWRI Book 3, Chapter C2. 1999. 89 pages.
- 3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.

Book 4. Hydrologic Analysis and Interpretation

Section A. Statistical Analysis

- 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.

Section B. Surface Water

- 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.
- 4-B3. *Regional analyses of streamflow characteristics*, by H.C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.

Section D. Interrelated Phases of the Hydrologic Cycle

- 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.

Book 5. Laboratory Analysis

Section A. Water Analysis

- 5-A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M.J. Fishman and L.C. Friedman, editors: USGS--TWRI Book 5, Chapter A1. 1989. 545 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.

TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS OF THE U.S. GEOLOGICAL SURVEY--Continued

Book 5. Laboratory Analysis--Continued

Section A. Water Analysis--Continued

- 5-A3. *Methods for the determination of organic substances in water and fluvial sediments*, edited by R.L. Wershaw, M.J. Fishman, R.R. Grabbe, and L.E. Lowe: USGS--TWRI Book 5, Chapter A3. 1987. 80 pages.
- 5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, by L.J. Britton and P.E. Greeson, editors: USGS--TWRI Book 5, Chapter A4. 1989. 363 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.

Section C. Sediment Analysis

- 5-C1. *Laboratory theory and methods for sediment analysis*, by H.P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.

Book 6. Modeling Techniques

Section A. Ground Water

- 6-A1. *A modular three-dimensional finite-difference ground-water flow model*, by M.G. McDonald and A.W. Harbaugh: USGS--TWRI Book 6, Chapter A1. 1988. 586 pages.
- 6-A2. *Documentation of a computer program to simulate aquifer-system compaction using the modular finite-difference ground-water flow model*, by S.A. Leake and D.E. Prudic: USGS--TWRI Book 6, Chapter A2. 1991. 68 pages.
- 6-A3. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 1: Model Description and User's Manual*, by L.J. Torak: USGS--TWRI Book 6, Chapter A3. 1993. 136 pages.
- 6-A4. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 2: Derivation of finite-element equations and comparisons with analytical solutions*, by R.L. Cooley: USGS--TWRI Book 6, Chapter A4. 1992. 108 pages.
- 6-A5. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 3: Design philosophy and programming details*, by L.J. Torak: USGS--TWRI Book 6, Chapter A5. 1993. 243 pages.
- 6-A6. *A coupled surface-water and ground-water flow model (MODBRANCH) for simulation of stream-aquifer interaction*, by Eric D. Swain and Eliezer J. Wexler: USGS--TWRI Book 6, Chapter A6. 1996. 125 pages.

Book 7. Automated Data Processing and Computations

Section C. Computer Programs

- 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.

Book 8. Instrumentation

Section A. Instruments for Measurement of Water Level

- 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.

Section B. Instruments for Measurement of Discharge

- 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.

Book 9. Handbooks for Water-Resources Investigations

Section A. National Field Manual for the Collection of Water-Quality Data

- 9-A1. *National Field Manual for the Collection of Water-Quality Data: Preparations for Water Sampling*, by F.D. Wilde, D.B. Radtke, Jacob Gibbs, and R.T. Iwatsubo: USGS--TWRI Book 9, Chapter A1. 1998. 47 pages.
- 9-A2. *National Field Manual for the Collection of Water-Quality Data: Selection of Equipment for Water Sampling*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibbs, and R.T. Iwatsubo: USGS--TWRI Book 9, Chapter A2. 1998. 94 pages.
- 9-A3. *National Field Manual for the Collection of Water-Quality Data: Cleaning of Equipment for Water Sampling*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibbs, and R.T. Iwatsubo: USGS--TWRI Book 9, Chapter A3. 1998. 75 pages.
- 9-A4. *National Field Manual for the Collection of Water-Quality Data: Collection of Water Samples*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibbs, and R.T. Iwatsubo: USGS--TWRI Book 9, Chapter A4. 1999. 156 pages.
- 9-A5. *National Field Manual for the Collection of Water-Quality Data: Processing of Water Samples*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibbs, and R.T. Iwatsubo: USGS--TWRI Book 9, Chapter A5. 1999. 149 pages.

Book 9. Handbooks for Water-Resources Investigations--Continued

Section A. National Field Manual for the Collection of Water-Quality Data--Continued

- 9-A6. *National Field Manual for the Collection of Water-Quality Data: Field Measurements*, edited by F.D. Wilde and D.B. Radtke: USGS--TWRI Book 9, Chapter A6. 1998. Variousy paginated.
- 9-A7. *National Field Manual for the Collection of Water-Quality Data: Biological Indicators*, edited by D.N. Myers and F.D. Wilde: USGS--TWRI Book 9, Chapter A7. 1997 and 1999. Variousy paginated.
- 9-A8. *National Field Manual for the Collection of Water-Quality Data: Bottom Material Samples*, by D.B. Radtke: USGS--TWRI Book 9, Chapter A8. 1998. 48 pages.
- 9-A9. *National Field Manual for the Collection of Water-Quality Data: Safety in Field Activities*, by S.L. Lane and R.G. Fay: USGS--TWRI Book 9, Chapter A9. 1998. 60 pages.

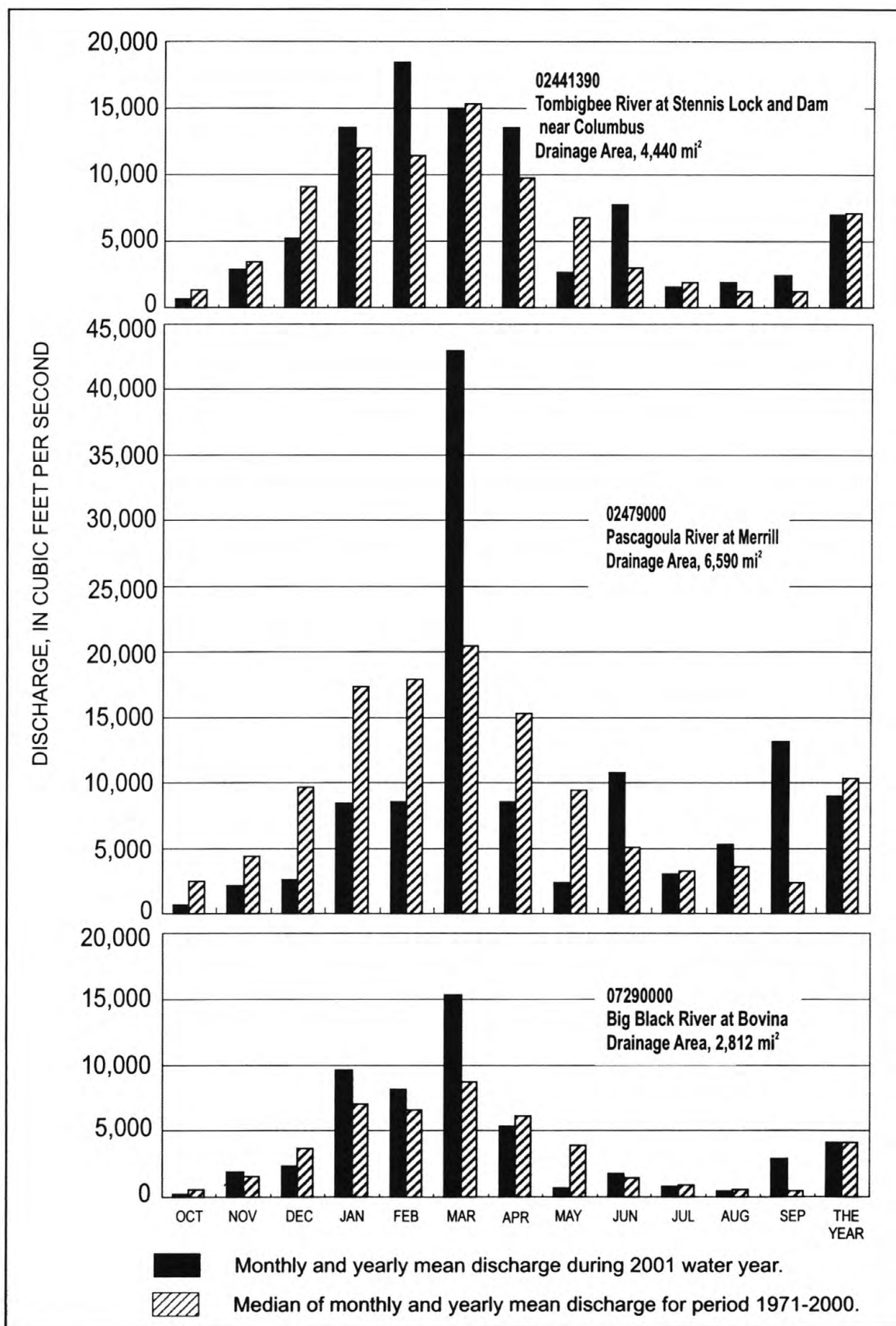


Figure 3.—Relation of discharge during 2001 water year with median discharge for period 1971-2000 for three representative gaging stations.

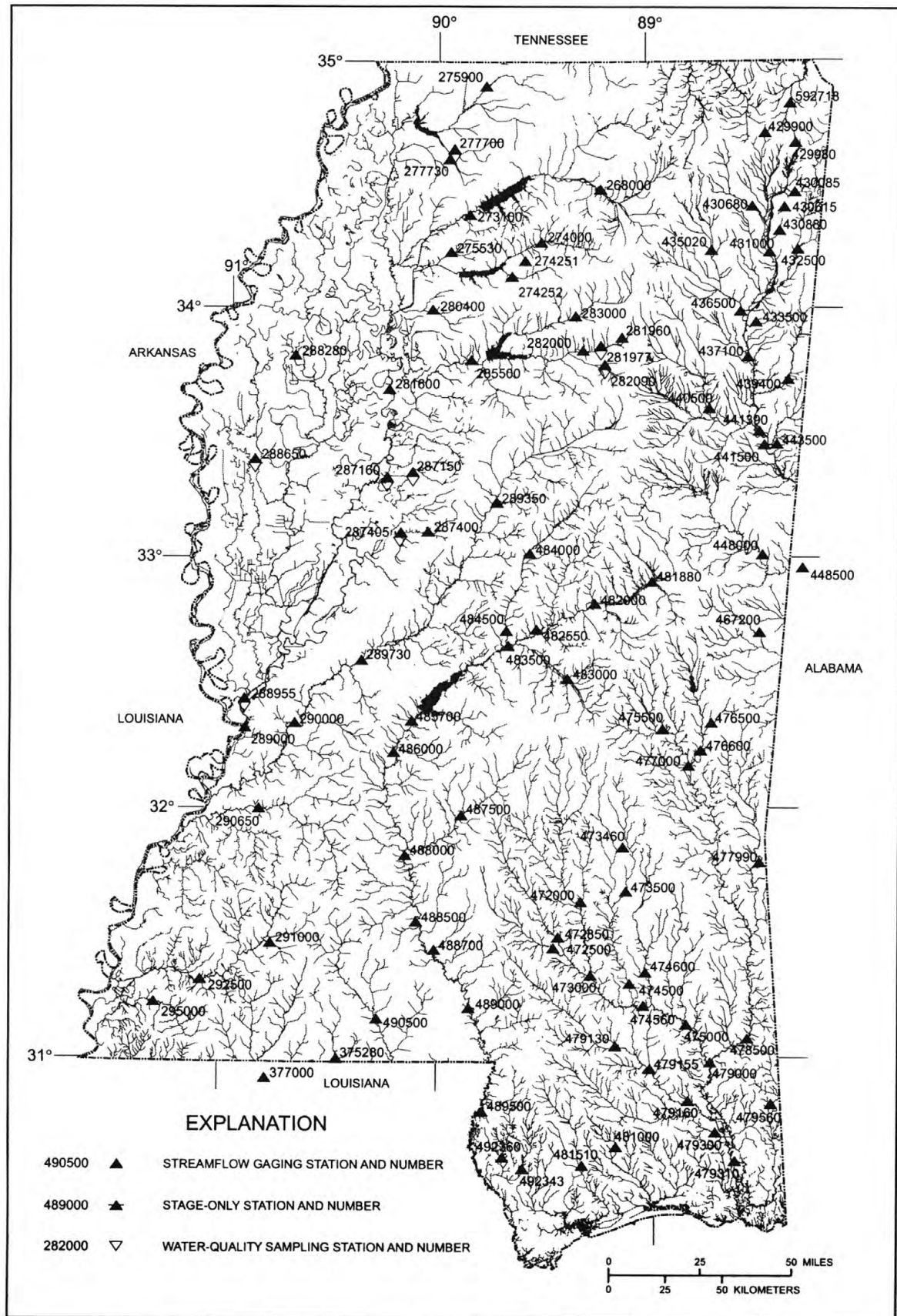


Figure 4.--Location of hydrologic-data stations.

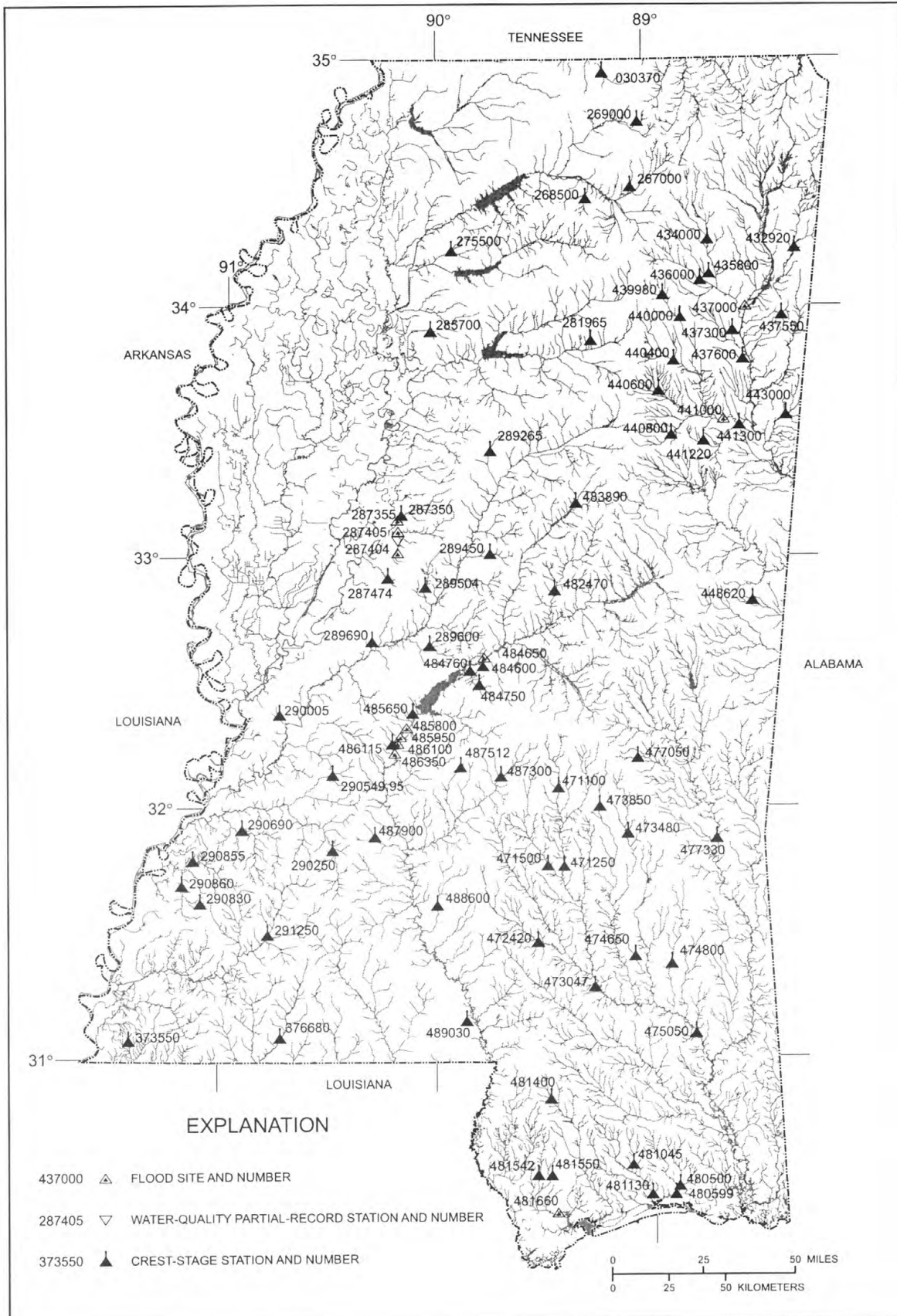


Figure 5.--Location of partial-record stations.

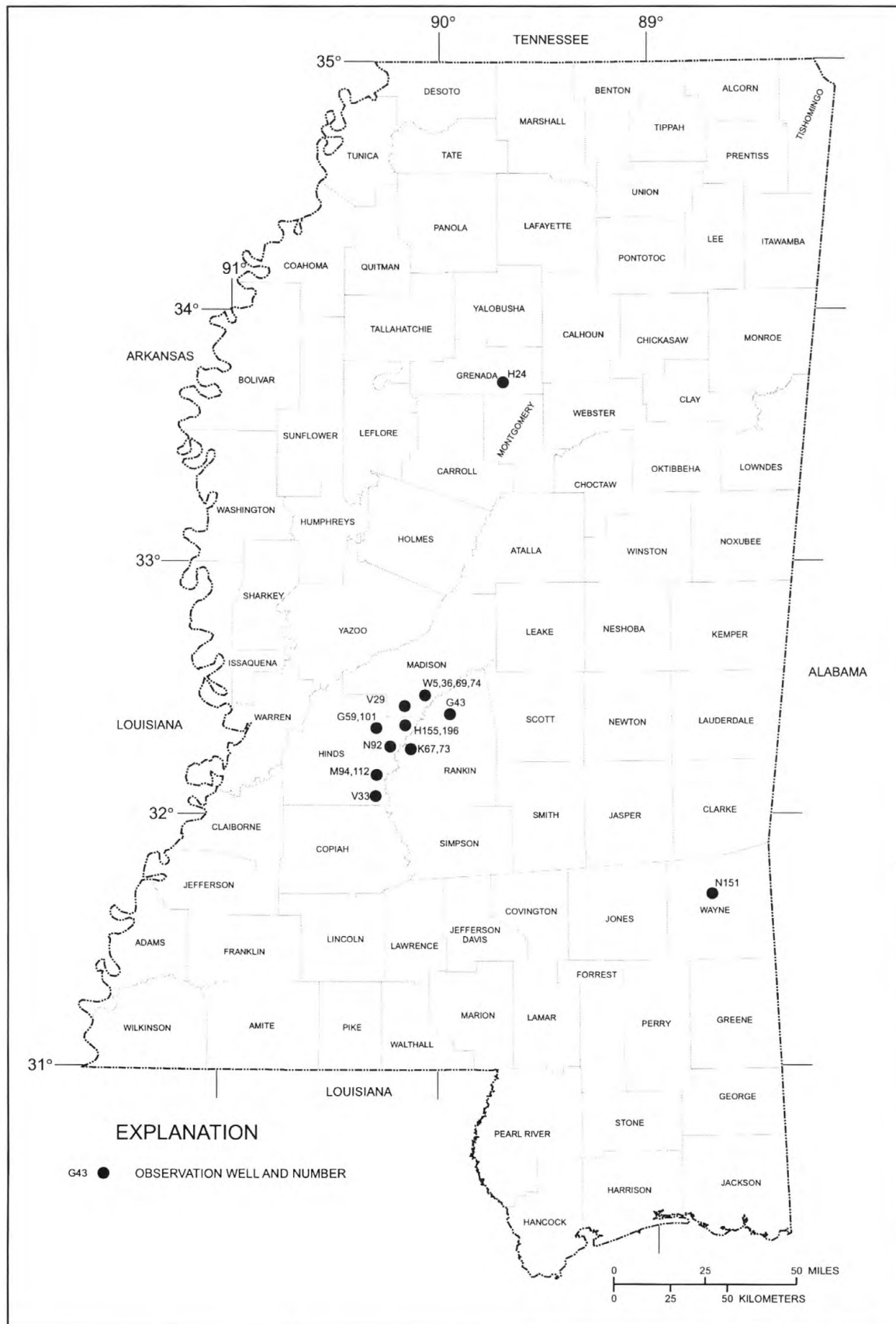


Figure 6.--Location of observation wells.

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STATION RECORDS, SURFACE WATER
EASTERN GULF OF MEXICO BASINS

37

MOBILE RIVER BASIN

02429900 BIG BROWN CREEK NEAR BOONEVILLE, MS

LOCATION.--Lat 34°37'30", long 88°26'41", NW1/4 NE1/4 sec.27, T.5 S., R.8 E., Chickasaw Meridian, Prentiss County, Hydrologic Unit 03160101, on left bank, near upstream side of bridge on State Highway 30, 2.5 mi upstream from Martin Creek, 8.0 mi east of Highway 45 at Booneville, and 14.2 mi upstream from mouth.

DRAINAGE AREA.--26.7 mi².

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1952-56, 1958-60, 1972, annual maximum stage 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 328.66 ft above sea level. Prior to June 1973, crest-stage gage at site was at datum 78.46 ft lower and from June 1973 until November 1998 gage was at county road 0.4 mi downstream at datum, 2.10 ft lower.

REMARKS.--Estimated daily discharges: Nov. 10-23, 26-30, Dec. 1-7, 20-31, and Jan. 1-18, 20-23. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

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. 16	1945	*2,140	*19.26	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.28	.21	e.70	e7.2	26	56	35	19	23	12	2.1	1.4
2	.21	.22	e.66	e7.2	22	50	27	18	12	6.5	2.2	112
3	.15	.24	e.62	e7.4	19	52	92	14	13	8.2	2.2	21
4	.13	.33	e.63	e7.4	18	83	118	13	29	6.5	2.1	3.1
5	.13	.33	e.68	e7.2	17	54	89	11	65	42	2.3	1.5
6	.13	.34	e.58	e7.0	16	44	68	10	34	28	2.2	1.1
7	.12	.26	e.56	e6.9	15	40	44	9.0	248	9.8	2.7	1.5
8	.12	.92	.54	e6.8	14	38	36	9.8	91	5.7	2.7	1.4
9	.13	15	.52	e6.6	24	34	32	26	45	4.2	28	1.3
10	.12	e2.3	.51	e6.4	48	31	28	12	27	22	16	1.2
11	.11	e.54	.65	e10	25	30	27	9.6	19	30	8.0	.99
12	.12	e.43	.82	e15	44	73	88	6.8	16	21	3.1	.92
13	.12	e.56	32	e10	165	66	252	5.5	11	9.3	1.6	.91
14	.12	e.50	22	e9.0	148	46	99	4.4	7.9	4.9	1.5	.83
15	.12	e.58	5.3	e8.2	154	104	93	3.8	12	3.2	1.4	.73
16	.11	e1.1	192	e7.2	925	55	73	3.2	18	2.5	1.5	.73
17	.11	e1.0	55	e40	277	40	56	2.7	7.3	2.9	1.3	.76
18	.12	e.64	22	e260	128	37	49	2.3	5.0	2.8	1.4	.76
19	.11	e.58	17	391	89	35	39	3.0	4.3	2.6	2.1	1.5
20	.12	e.52	e15	e62	70	118	34	3.9	3.5	2.4	1.8	2.2
21	.13	e.51	e14	e42	63	107	31	8.6	3.2	2.3	1.5	1.2
22	.14	e.50	e13	e35	61	64	27	26	4.3	2.0	1.2	1.1
23	.15	e.64	e11	e29	46	49	25	7.6	4.6	1.8	1.1	1.0
24	.16	1.5	e9.4	24	44	41	102	7.2	3.3	1.7	.97	1.0
25	.17	2.1	e9.0	20	351	35	49	5.8	2.7	1.9	.71	1.1
26	.19	e1.5	e8.6	18	108	31	38	4.8	2.5	1.7	.62	1.0
27	.19	e1.1	e9.0	17	82	29	32	4.0	2.3	1.6	.54	.99
28	.19	e.96	e9.4	16	68	28	27	29	5.5	1.5	.53	1.0
29	.19	e.84	e8.0	69	---	28	22	40	57	1.5	.64	1.0
30	.20	e.72	e7.2	83	---	26	21	15	12	1.7	.82	1.1
31	.20	---	e7.0	36	---	26	---	28	---	1.9	1.1	---
TOTAL	4.59	36.97	473.37	1271.5	3067	1550	1753	363.0	788.4	246.1	95.93	166.32
MEAN	.15	1.23	15.3	41.0	110	50.0	58.4	11.7	26.3	7.94	3.09	5.54
MAX	.28	15	192	391	925	118	252	40	248	42	28	112
MIN	.11	.21	.51	6.4	14	26	21	2.3	2.3	1.5	.53	.73
MED	.13	.58	8.0	15	54	41	38	9.0	12	2.9	1.5	1.1
CFSM	.01	.05	.56	1.51	4.04	1.85	2.16	.43	.97	.29	.11	.20
IN.	.01	.05	.65	1.75	4.21	2.13	2.41	.50	1.08	.34	.13	.23

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2001, BY WATER YEAR (WY)

	MEAN	8.38	33.7	65.3	83.3	79.9	89.5	78.8	63.6	32.1	11.1	6.28	6.82
MAX	56.0	139	218	298	220	264	267	451	187	73.8	40.2	42.7	
(WY)	1976	1978	1992	1974	1990	1980	1983	1991	1989	1989	1992	1979	
MIN	.15	1.00	4.57	5.94	16.1	32.9	12.6	5.78	.54	.94	.18	.38	
(WY)	2001	1982	1982	2000	2000	1988	1986	2000	1988	2000	1988	1988	

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1973 - 2001

ANNUAL TOTAL	5505.82	9816.18	
ANNUAL MEAN	15.0	26.9	46.5
HIGHEST ANNUAL MEAN			94.6
LOWEST ANNUAL MEAN			14.6
HIGHEST DAILY MEAN	640	925	2580
LOWEST DAILY MEAN	.10	.11	.08
ANNUAL SEVEN-DAY MINIMUM	.11	.12	.09
MAXIMUM PEAK FLOW		2140	3900
MAXIMUM PEAK STAGE		19.26	22.92
ANNUAL RUNOFF (CFSM)	.56	.99	1.72
ANNUAL RUNOFF (INCHES)	7.56	13.47	23.30
10 PERCENT EXCEEDS	31	65	91
50 PERCENT EXCEEDS	1.8	7.2	18
90 PERCENT EXCEEDS	.13	.33	.93

e Estimated

MOBILE RIVER BASIN

02429980 POLLARD MILL BRANCH AT PADEN, MS

LOCATION.--Lat 34°39'13", long 88°14'53", in SW1/4 SE1/4 sec.9, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 03160101, on left bank 30 ft upstream from culvert on State Highway 30, 0.8 mi east of Paden.

DRAINAGE AREA.--2.01 mi².

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

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

GAGE.--Water-stage recorder and culvert control. Elevation of gage is 440 ft above sea level, from topographic map.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 225 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 25	0115	*114	*3.79	Aug. 9	1030	*114	*3.79

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	2.6	1.6	1.6	2.3	3.9	4.4	3.1	3.6	3.7	1.1	6.0
2	2.3	2.2	1.7	1.7	2.0	3.6	4.3	2.9	3.4	2.8	1.1	18
3	2.3	2.2	1.6	1.8	2.0	3.2	9.2	2.9	3.3	2.6	1.7	8.9
4	1.9	4.5	1.6	1.8	2.0	4.5	11	2.7	5.8	4.5	1.4	6.2
5	2.2	2.4	1.6	2.0	2.0	4.1	6.6	3.5	5.2	6.1	1.2	4.6
6	2.9	2.9	1.6	1.9	1.9	3.9	5.5	3.4	4.5	4.1	1.1	3.8
7	2.6	2.0	1.8	1.9	1.8	3.7	5.4	3.1	12	3.4	1.9	3.5
8	2.6	6.5	2.0	1.8	1.8	3.4	5.1	3.7	12	3.1	1.8	3.3
9	2.6	7.0	2.0	1.6	3.8	3.0	4.8	3.9	6.4	2.7	15	3.3
10	3.4	2.4	2.0	1.5	2.7	2.5	4.8	3.4	5.4	3.3	5.3	3.0
11	3.1	1.7	2.9	2.7	2.1	2.5	4.7	3.0	5.0	3.5	4.7	2.8
12	2.3	1.8	2.9	2.3	4.0	5.6	9.6	3.3	4.6	2.2	4.8	2.8
13	2.9	2.5	9.7	2.0	7.8	4.3	14	3.0	4.1	1.7	5.9	2.8
14	2.7	2.0	3.5	2.7	6.0	3.8	7.4	2.7	3.9	1.8	5.1	2.6
15	2.3	1.6	3.9	2.0	6.4	5.6	7.2	2.6	4.3	1.6	3.7	2.6
16	2.3	4.1	11	2.0	33	4.1	5.4	2.5	4.1	1.7	3.1	2.6
17	2.5	2.6	4.7	3.4	13	3.9	4.7	2.3	3.6	1.7	2.8	2.7
18	2.9	2.0	3.9	9.8	6.6	3.6	4.5	2.2	3.1	1.5	3.5	2.9
19	2.9	2.0	3.1	16	5.2	3.7	4.4	3.1	2.6	1.4	3.1	4.7
20	3.5	2.1	2.4	5.5	4.4	10	4.4	3.2	2.4	1.6	2.4	3.6
21	4.3	2.1	2.7	4.1	4.1	6.7	4.4	4.0	2.6	1.6	2.1	3.1
22	4.0	2.4	2.1	3.2	4.4	5.8	4.3	5.7	3.5	1.6	2.0	3.0
23	3.9	2.9	2.2	3.1	3.8	4.9	4.7	3.2	2.7	1.5	2.0	3.1
24	4.1	9.2	2.5	2.5	4.0	4.0	6.6	3.8	2.3	1.4	1.9	6.2
25	3.8	4.9	2.5	1.8	22	3.8	4.2	2.8	2.2	1.7	2.3	3.8
26	3.5	2.9	2.8	1.6	6.1	3.9	4.1	2.6	2.2	1.3	2.3	3.5
27	3.1	2.1	2.9	1.6	4.9	3.9	3.8	3.0	2.4	.94	2.9	3.3
28	3.8	2.0	2.4	1.6	3.9	3.9	3.5	4.5	2.5	.95	2.8	3.1
29	3.5	2.1	1.9	4.6	---	3.9	3.4	3.9	3.2	1.0	2.7	3.0
30	3.7	1.6	2.2	3.7	---	4.1	3.2	3.5	5.6	1.8	5.6	3.1
31	3.4	---	1.8	2.6	---	4.4	---	5.3	---	1.3	5.9	---
TOTAL	93.8	89.3	91.5	96.4	164.0	132.2	169.6	102.8	128.5	70.09	103.2	125.9
MEAN	3.03	2.98	2.95	3.11	5.86	4.26	5.65	3.32	4.28	2.26	3.33	4.20
MAX	4.3	9.2	11	16	33	10	14	5.7	12	6.1	15	18
MIN	1.9	1.6	1.6	1.5	1.8	2.5	3.2	2.2	2.2	.94	1.1	2.6
MED	2.9	2.3	2.4	2.0	4.0	3.9	4.7	3.1	3.6	1.7	2.7	3.2
CFSM	1.51	1.48	1.47	1.55	2.91	2.12	2.81	1.65	2.13	1.12	1.66	2.09
IN.	1.74	1.65	1.69	1.78	3.04	2.45	3.14	1.90	2.38	1.30	1.91	2.33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2001, BY WATER YEAR (WY)

	4.41	5.80	7.05	7.05	7.11	8.61	7.60	7.06	4.82	4.16	3.96	4.31
MEAN	4.41	5.80	7.05	7.05	7.11	8.61	7.60	7.06	4.82	4.16	3.96	4.31
MAX	7.30	14.0	17.7	25.2	16.0	26.4	15.8	27.7	8.49	6.73	6.31	15.4
(WY)	1978	1978	1983	1974	1991	1973	1983	1991	1997	1994	1979	1979
MIN	3.03	2.98	2.95	2.96	3.72	4.26	3.74	2.65	2.30	2.26	2.11	1.93
(WY)	2001	2001	2001	2000	2000	2001	1986	1988	1988	2000	2000	2000

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1973 - 2001

ANNUAL TOTAL	1325.5	1367.29	
ANNUAL MEAN	3.62	3.75	5.99
HIGHEST ANNUAL MEAN			9.88
LOWEST ANNUAL MEAN			3.75
HIGHEST DAILY MEAN	29	Apr 2	33
LOWEST DAILY MEAN	1.3	Sep 5	.94
ANNUAL SEVEN-DAY MINIMUM	1.5	Sep 13	1.2
MAXIMUM PEAK FLOW			114
MAXIMUM PEAK STAGE			3.79
ANNUAL RUNOFF (CFSM)	1.80		1.86
ANNUAL RUNOFF (INCHES)	24.53		25.31
10 PERCENT EXCEEDS	6.7		5.9
50 PERCENT EXCEEDS	2.8		3.1
90 PERCENT EXCEEDS	1.9		1.7

02430085 RED BUD CREEK NEAR MOORES MILL, MS

LOCATION.--34°28'00", long 88°16'59", in SW1/4 SE1/4 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 sea level.

REMARKS.--Estimated daily discharges: Apr. 25-30, May 30, and Jul. 7-8, 22. Records fair except for estimated daily discharges, which are poor. Satellite telemeter and U.S. Army Corps of Engineers radio telemeter at station.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 16	1500	800	11.11	Apr. 3	1815	*912	*11.33
Jan. 19	1030	791	11.09	Sep. 2	1545	772	11.05
Feb. 16	1830	840	11.19				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.3	2.8	6.4	9.7	22	35	23	17	56	34	3.2	11
2	2.2	2.6	6.1	9.1	18	30	19	13	27	21	2.8	278
3	2.3	3.0	6.2	9.5	17	39	462	11	20	17	2.7	78
4	2.1	3.6	5.2	10	16	53	181	10	51	16	3.6	29
5	2.0	3.2	5.2	11	15	34	85	9.6	70	23	3.8	19
6	2.6	3.5	5.2	10	15	28	63	9.7	35	17	3.4	15
7	2.7	3.6	5.4	11	14	25	49	9.8	178	e9.2	4.4	13
8	2.6	8.5	5.4	10	14	23	41	11	99	e8.0	4.0	11
9	2.7	51	5.4	9.4	20	21	36	14	53	8.8	95	11
10	3.0	5.6	5.4	9.1	28	19	32	10	37	10	23	9.4
11	3.0	4.4	6.3	14	18	19	29	8.9	31	12	11	8.4
12	2.8	4.6	8.5	17	40	58	139	8.2	27	10	8.2	7.9
13	2.6	5.1	60	13	124	36	230	6.7	30	10	28	7.8
14	2.5	5.0	48	13	114	27	94	6.1	35	9.1	12	10
15	2.4	4.7	38	13	61	79	91	6.1	39	8.6	7.7	9.4
16	2.4	7.2	324	11	331	42	59	5.8	49	7.8	6.2	8.8
17	2.4	7.7	91	18	195	31	44	5.8	36	7.4	5.7	8.7
18	2.9	6.1	31	176	72	26	37	6.1	31	7.1	5.9	9.6
19	3.1	5.5	21	495	50	24	33	6.7	27	7.3	6.0	11
20	3.3	6.2	16	113	37	114	29	14	24	8.5	3.8	9.9
21	3.8	7.2	16	58	30	72	27	19	23	10	3.5	8.8
22	3.6	7.8	13	41	63	45	24	39	28	e6.0	3.3	8.2
23	3.4	8.5	12	33	36	35	24	14	26	5.6	5.1	8.0
24	3.2	74	12	28	32	29	106	18	23	5.5	5.4	42
25	3.2	44	11	23	182	24	e31	14	20	4.5	6.4	12
26	2.9	13	11	20	62	21	e23	11	18	5.8	5.2	9.1
27	2.7	9.6	12	19	52	20	e19	11	16	6.7	6.5	8.1
28	2.5	8.1	12	17	44	20	e17	13	16	8.1	8.4	7.8
29	3.1	7.2	10	49	---	19	e16	20	14	6.0	6.3	7.2
30	3.0	6.6	9.7	50	---	21	e15	e9.4	48	3.3	6.0	7.0
31	2.7	---	9.3	27	---	21	---	28	---	3.1	8.3	---
TOTAL	86.0	329.9	827.7	1346.8	1722	1090	2078	385.9	1187	316.4	304.8	684.1
MEAN	2.77	11.0	26.7	43.4	61.5	35.2	69.3	12.4	39.6	10.2	9.83	22.8
MAX	3.8	74	324	495	331	114	462	39	178	34	95	278
MIN	2.0	2.6	5.2	9.1	14	19	15	5.8	14	3.1	2.7	7.0
MED	2.7	6.1	11	17	36	28	34	11	30	8.5	5.9	9.5
CFSM	.18	.70	1.70	2.77	3.92	2.24	4.41	.79	2.52	.65	.63	1.45
IN.	.20	.78	1.96	3.19	4.08	2.58	4.92	.91	2.81	.75	.72	1.62

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2001, BY WATER YEAR (WY)

	MEAN	11.2	24.1	41.3	40.3	45.1	48.9	39.9	34.2	19.8	11.5	9.24	8.30
MAX	24.5	64.5	128	96.6	108	119	116	207	86.3	50.2	21.7	34.5	
(WY)	1976	1987	1991	1999	1990	1980	1991	1991	1997	1989	1997	1979	
MIN	2.77	5.00	9.22	10.2	14.1	20.2	8.58	3.85	3.25	3.15	2.54	2.08	
(WY)	2001	1982	2000	1986	2000	1982	1986	1992	1988	1977	1981	1987	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1975 - 2001

ANNUAL TOTAL	5545.3	10358.6	
ANNUAL MEAN	15.2	28.4	27.7
HIGHEST ANNUAL MEAN			58.0
LOWEST ANNUAL MEAN			12.6
HIGHEST DAILY MEAN	462	Apr 3	1200
LOWEST DAILY MEAN	1.9	Aug 24	1.4
ANNUAL SEVEN-DAY MINIMUM	2.0	Aug 19	1.6
MAXIMUM PEAK FLOW			2330
MAXIMUM PEAK STAGE			13.13
ANNUAL RUNOFF (CFSM)	.97	1.81	1.76
ANNUAL RUNOFF (INCHES)	13.14	24.54	23.98
10 PERCENT EXCEEDS	28	58	54
50 PERCENT EXCEEDS	5.6	12	14
90 PERCENT EXCEEDS	2.3	3.3	3.5

e Estimated

MOBILE RIVER BASIN

02430615 MUD CREEK NEAR FAIRVIEW, MS

LOCATION.--Lat 34°23'33", long 88°21'18", in NW1/4 NE1/4 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 sea level, from topographic map.

REMARKS.--Estimated daily discharges: Jun. 17-27 and Jul. 22-26. Records good except for estimated daily discharges, which are poor. Satellite telemeter and U.S. Army Corps of Engineers radio telemeter at station.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 16	1645	363	8.74	Feb. 16	1915	368	8.76
Jan. 19	1045	360	8.73	Apr. 3	1730	*907	*9.73

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	2.6	7.1	7.6	10	16	16	12	27	7.8	4.1	14
2	1.6	2.8	6.7	7.6	9.5	15	12	12	15	5.4	3.6	104
3	1.7	2.6	6.5	7.7	9.0	22	472	10	12	4.7	3.4	28
4	1.6	5.1	6.4	7.6	8.9	29	134	9.8	14	7.0	4.1	13
5	1.6	4.1	7.2	7.7	8.7	18	46	9.6	21	12	4.4	8.9
6	2.4	4.1	6.2	7.4	8.4	15	31	9.6	15	8.2	4.1	7.2
7	2.3	3.3	6.1	7.4	8.2	13	24	9.1	79	5.4	5.9	6.4
8	2.2	14	6.0	7.3	7.9	13	20	10	30	4.5	5.4	5.9
9	4.4	65	6.0	6.9	14	12	18	13	17	4.1	15	5.6
10	2.3	6.9	6.1	6.9	16	12	16	9.6	13	4.3	11	5.2
11	2.2	4.7	6.4	12	9.9	12	14	8.3	12	4.9	8.6	4.8
12	2.2	4.1	7.8	12	26	37	85	7.8	11	4.8	6.8	4.7
13	2.2	5.0	45	8.5	66	22	94	7.3	12	4.4	41	4.6
14	2.2	4.3	31	9.1	41	16	36	6.7	13	4.0	10	4.4
15	2.2	4.2	30	8.2	26	44	38	6.3	11	3.6	6.5	4.2
16	2.3	8.8	159	7.3	150	20	25	6.0	10	3.5	5.2	4.3
17	2.2	7.5	44	14	79	15	20	5.7	e9.0	3.5	4.8	4.3
18	2.3	4.9	20	96	29	14	18	5.4	e8.5	3.4	7.7	5.1
19	2.4	4.4	15	228	23	14	18	5.5	e8.0	3.4	7.6	7.2
20	2.8	3.9	12	43	22	68	17	19	e7.5	3.5	5.8	5.5
21	3.1	3.7	13	22	21	34	16	24	e7.3	3.9	4.9	4.9
22	3.4	3.6	11	17	26	21	15	35	e7.0	e4.2	4.5	4.6
23	3.5	3.7	9.8	13	21	17	19	13	e6.8	e4.0	4.3	4.4
24	3.6	66	9.3	12	21	15	73	22	e6.6	e3.8	4.2	4.9
25	3.5	35	8.7	11	70	14	22	12	e6.4	e3.6	4.1	4.7
26	3.3	14	8.5	11	24	13	17	9.7	e6.2	e3.4	4.0	4.4
27	3.2	10	9.5	10	24	12	15	9.3	e6.0	3.4	7.1	4.3
28	3.0	9.3	9.0	10	21	12	14	12	5.9	14	7.7	4.3
29	3.1	8.5	8.1	26	---	12	14	14	5.2	16	5.8	4.4
30	3.1	7.2	7.6	23	---	14	13	10	7.7	6.4	5.7	4.4
31	2.9	---	7.6	12	---	15	---	23	---	4.7	9.3	---
TOTAL	80.3	323.3	536.6	679.2	800.5	606	1372	366.7	410.1	169.8	226.6	292.6
MEAN	2.59	10.8	17.3	21.9	28.6	19.5	45.7	11.8	13.7	5.48	7.31	9.75
MAX	4.4	66	159	228	150	68	472	35	79	16	41	104
MIN	1.5	2.6	6.0	6.9	7.9	12	12	5.4	5.2	3.4	3.4	4.2
MED	2.3	4.8	8.5	10	21	15	18	9.8	10	4.3	5.7	4.9
CFSM	.23	.97	1.56	1.97	2.58	1.76	4.12	1.07	1.23	.49	.66	.88
IN.	.27	1.08	1.80	2.28	2.68	2.03	4.60	1.23	1.37	.57	.76	.98

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2001, BY WATER YEAR (WY)

	MEAN	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	9.48	18.3	28.0	24.9	28.6	31.8	27.2	24.6	15.5	9.28	7.96	7.80																
MAX	21.3	46.3	95.7	49.2	78.0	71.3	82.8	134	61.0	19.8	20.9	18.3																
(WY)	1976	1987	1991	1999	1991	1980	1991	1991	1997	1994	1975	1975																
MIN	2.59	4.51	8.41	8.41	12.9	10.3	5.62	6.04	2.85	3.29	1.56	2.32																
(WY)	2001	1982	1982	1986	1986	1982	1986	1981	1988	1988	2000	1999																

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1975 - 2001

ANNUAL TOTAL	4428.15	5863.7	
ANNUAL MEAN	12.1	16.1	19.3
HIGHEST ANNUAL MEAN			45.2
LOWEST ANNUAL MEAN			9.80
HIGHEST DAILY MEAN	204	472	984
LOWEST DAILY MEAN	.82	1.5	.82
ANNUAL SEVEN-DAY MINIMUM	.84	1.8	.84
MAXIMUM PEAK FLOW		907	1510
MAXIMUM PEAK STAGE		9.73	10.49
ANNUAL RUNOFF (CFSM)	1.09	1.45	1.74
ANNUAL RUNOFF (INCHES)	14.84	19.65	23.64
10 PERCENT EXCEEDS	24	28	33
50 PERCENT EXCEEDS	7.2	8.5	12
90 PERCENT EXCEEDS	1.7	3.5	4.1

e Estimated

02430680 TWENTYMILE CREEK NEAR GUNTOWN, MS

LOCATION.--Lat 34°27'09", long 88°34'38", in SW1/4 SW1/4 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. 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.

GAGE.--Water-stage recorder and sharp-crested weir since November, 1982. Datum of gage is 280.00 ft above sea level.

REMARKS.--Estimated discharges: Feb. 21-27 and Mar. 6-11. Records fair except for estimated discharges, which are poor. Satellite telemeter and U.S. Army Corps of Engineers radio telemeter at station.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 16	1915	*11,000	*24.01	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	.13	25	31	92	296	103	40	32	319	5.4	28
2	1.4	.12	24	31	71	215	89	39	23	42	3.9	2410
3	1.4	.12	21	31	58	234	3530	35	18	27	3.0	436
4	1.4	.19	20	31	54	867	1650	32	173	28	2.6	69
5	1.5	.23	20	33	50	334	650	30	663	19	2.3	34
6	1.5	.28	20	34	46	e200	300	30	102	19	2.7	22
7	1.5	.26	20	32	45	e180	182	30	1800	15	3.7	19
8	1.5	112	21	31	44	e165	137	31	634	11	3.5	14
9	1.5	414	20	29	152	e145	112	41	155	8.3	169	12
10	1.6	12	20	26	459	e135	98	34	84	44	68	9.6
11	1.6	1.9	21	30	114	e125	78	32	62	69	129	7.8
12	1.7	1.4	23	48	519	700	651	31	54	30	98	6.8
13	1.7	1.5	508	43	2130	545	2230	27	47	11	105	6.3
14	1.8	1.8	556	43	1370	200	502	26	41	6.6	57	5.6
15	1.9	1.7	272	49	868	1010	708	26	54	4.9	17	5.3
16	1.8	3.4	3280	43	5650	361	291	23	60	3.8	10	4.5
17	1.0	10	582	51	1780	190	148	21	33	3.2	7.8	4.2
18	.61	7.3	136	1410	403	143	114	18	27	3.1	13	3.9
19	.39	5.7	81	4020	167	113	99	16	25	3.0	17	4.6
20	.28	5.7	60	699	107	465	85	27	25	2.9	11	7.3
21	.21	5.9	56	207	e120	580	78	51	24	3.4	7.7	8.1
22	.15	6.7	49	126	e410	235	70	80	29	3.4	7.4	6.2
23	.11	8.0	41	93	e220	163	84	38	29	2.7	6.5	5.0
24	.08	1070	40	78	e130	134	667	30	24	2.4	5.6	4.1
25	.08	875	38	64	e2100	107	130	28	21	2.2	5.3	4.3
26	.08	75	36	55	e700	93	82	22	18	2.6	4.7	4.2
27	.09	41	41	53	e800	86	67	19	18	2.1	5.4	3.7
28	.10	32	48	49	535	84	57	89	18	2.2	13	3.2
29	.11	30	42	671	---	83	52	273	202	2.4	7.1	2.9
30	.12	28	36	797	---	83	45	35	684	4.2	6.7	2.9
31	.13	---	33	168	---	85	---	31	---	6.6	17	---
TOTAL	28.74	2751.33	6190	9106	19194	8356	13089	1285	5179	704.0	815.3	3154.5
MEAN	.93	91.7	200	294	686	270	436	41.5	173	22.7	26.3	105
MAX	1.9	1070	3280	4020	5650	1010	3530	273	1800	319	169	2410
MIN	.08	.12	20	26	44	83	45	16	18	2.1	2.3	2.9
MED	1.4	5.8	38	49	194	180	113	31	37	4.9	7.4	6.2
CFSM	.01	.70	1.52	2.24	5.23	2.06	3.33	.32	1.32	.17	.20	.80
IN.	.01	.78	1.76	2.59	5.45	2.37	3.72	.36	1.47	.20	.23	.90

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2001, BY WATER YEAR (WY)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	29.8	190	385	354	446	352	325	284	159	38.9	40.3	21.1								
MAX	97.7	785	1157	898	1195	652	912	1946	773	282	329	105								
(WY)	1986	1984	1992	1989	1990	1994	1991	1991	1997	1989	1992	2001								
MIN	.93	5.18	30.3	19.6	90.5	114	16.8	11.0	1.09	1.98	.81	.62								
(WY)	2001	2000	2000	1986	2000	1988	1986	1988	1988	1990	2000	1999								

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1982 - 2001

ANNUAL TOTAL	34857.22	69852.87	219
ANNUAL MEAN	95.2	191	435
HIGHEST ANNUAL MEAN			66.6
LOWEST ANNUAL MEAN			1988
HIGHEST DAILY MEAN	4600	Apr 2	15500
LOWEST DAILY MEAN	.08	Oct 24	.00
ANNUAL SEVEN-DAY MINIMUM	.09	Oct 23	.05
MAXIMUM PEAK FLOW			41500
MAXIMUM PEAK STAGE	24.01	Feb 16	30.88
INSTANTANEOUS LOW FLOW	.08	Oct 23, 24-26, 27	.00
ANNUAL RUNOFF (CFSM)	.73	1.46	1.67
ANNUAL RUNOFF (INCHES)	9.90	19.84	22.68
10 PERCENT EXCEEDS	108	525	400
50 PERCENT EXCEEDS	11	31	39
90 PERCENT EXCEEDS	.34	1.7	2.0

e Estimated

02430880 CUMMINGS CREEK NEAR FULTON, MS

LOCATION.--Lat 34°18'16", long 88°22'16", in SE1/4 NE1/4 sec.17, T.9 S., R.9 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, in left bank, 20 ft downstream from 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.

REVISED RECORDS.--WDR MS-97-1: 1995(M).

GAGE.--Water-stage recorder. Elevation of gage is 295 ft. above sea level, from topographic map.

REMARKS.--Estimated daily discharges: Oct. 4-5, Feb. 16-17, Mar. 20 and Apr. 3-4. Records fair except for estimated daily discharges, which are poor. Satellite telemeter U.S. Army Corps of Engineers radio telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.9	5.4	8.2	7.1	23	32	23	16	27	19	6.5	19
2	4.3	5.5	8.1	8.6	21	29	19	15	19	11	6.0	76
3	4.2	5.6	8.5	11	19	39	e660	14	16	8.9	5.9	33
4	e3.5	13	7.8	7.8	18	46	e170	14	17	18	6.2	19
5	e3.6	10	7.6	7.1	18	33	60	13	26	30	7.9	13
6	6.2	9.5	7.7	7.4	17	28	46	13	19	15	9.8	12
7	5.6	8.8	7.7	6.9	17	26	35	13	73	10	12	13
8	5.0	23	7.4	6.6	17	25	32	14	36	8.5	17	10
9	4.9	76	7.3	5.7	27	24	27	20	21	7.9	29	9.4
10	5.1	14	7.7	5.8	36	23	24	16	16	7.5	17	8.9
11	5.1	8.9	7.8	12	23	23	22	14	13	8.2	14	8.0
12	5.0	7.8	9.6	12	49	56	46	19	12	8.1	11	7.6
13	4.9	9.0	40	8.1	113	37	73	14	10	7.7	52	7.6
14	4.9	8.0	44	8.5	66	28	38	12	11	6.9	18	7.3
15	4.9	7.0	37	8.0	51	64	42	11	11	6.4	11	7.0
16	5.3	14	88	6.8	e220	35	30	10	11	6.4	9.0	7.2
17	4.8	14	43	16	e100	28	25	9.8	8.0	6.2	8.1	7.0
18	4.7	8.9	22	130	50	26	23	9.3	7.2	5.8	12	7.0
19	4.6	8.2	16	287	39	26	22	9.3	6.6	5.6	13	7.9
20	4.7	7.3	13	78	32	e140	21	16	6.5	5.5	10	11
21	4.9	6.9	17	51	29	50	21	24	14	5.8	8.6	7.8
22	5.1	6.9	14	40	45	33	20	27	20	5.4	7.9	7.1
23	5.0	7.0	12	33	29	27	20	16	12	5.1	7.6	7.1
24	5.0	62	10	28	26	25	57	21	9.2	5.1	7.3	7.4
25	5.2	41	9.1	25	78	22	27	16	8.0	5.1	7.0	7.3
26	5.3	16	8.8	23	37	21	23	13	7.9	4.8	6.7	6.8
27	5.5	12	10	21	41	20	20	11	15	5.1	18	6.8
28	5.3	9.8	9.6	20	41	19	19	19	12	5.0	16	6.7
29	5.2	9.4	8.3	40	---	19	18	24	11	7.2	11	6.6
30	5.4	8.6	7.8	45	---	22	17	15	26	7.7	10	6.5
31	5.4	---	8.4	26	---	22	---	47	---	7.6	16	---
TOTAL	152.5	443.5	513.4	992.4	1282	1048	1680	505.4	501.4	266.5	391.5	361.0
MEAN	4.92	14.8	16.6	32.0	45.8	33.8	56.0	16.3	16.7	8.60	12.6	12.0
MAX	6.2	76	88	287	220	140	660	47	73	30	52	76
MIN	3.5	5.4	7.3	5.7	17	19	17	9.3	6.5	4.8	5.9	6.5
MED	5.0	8.9	9.1	12	34	27	24	14	12	7.2	10	7.6
CFSM	.26	.77	.87	1.68	2.40	1.77	2.93	.85	.88	.45	.66	.63
IN.	.30	.86	1.00	1.93	2.50	2.04	3.27	.98	.98	.52	.76	.70

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2001, BY WATER YEAR (WY)

	MEAN	30.0	42.0	40.3	46.5	50.3	45.6	39.8	24.9	16.5	14.3	15.3
MAX	42.6	71.4	135	80.6	106	116	108	173	75.0	38.1	38.1	37.0
(WY)	1976	1987	1991	1979	1991	1980	1983	1991	1997	1989	1975	1975
MIN	4.92	13.4	15.2	16.5	22.1	23.5	13.3	10.3	5.34	5.55	4.03	4.05
(WY)	2001	1982	2000	1986	2000	1982	1986	1988	1988	1988	1988	1986

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1975 - 2001

ANNUAL TOTAL	6773.7	8137.6	
ANNUAL MEAN	18.5	22.3	31.7
HIGHEST ANNUAL MEAN			65.0
LOWEST ANNUAL MEAN			17.2
HIGHEST DAILY MEAN	520	Apr 2	1200
LOWEST DAILY MEAN	2.6	Aug 20	2.1
ANNUAL SEVEN-DAY MINIMUM	2.7	Aug 17	2.7
MAXIMUM PEAK FLOW			2350
MAXIMUM PEAK STAGE			12.71
ANNUAL RUNOFF (CFSM)	.97		1.66
ANNUAL RUNOFF (INCHES)	13.19		22.53
10 PERCENT EXCEEDS	37		57
50 PERCENT EXCEEDS	10		21
90 PERCENT EXCEEDS	3.8		8.6

e Estimated

02431000 TOMBIGBEE RIVER NEAR FULTON, MS

LOCATION.--Lat 34°15'54", long 88°26'43", in SW1/4 SE1/4 sec.27, T.9 S., R.8 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, on left bank at downstream side of bridge on old 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 421.8.

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

PERIOD OF RECORD.--August 1928 to current year. Prior to October 1966, published as East Fork Tombigbee River near Fulton. 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.

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

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

REMARKS.--No estimated daily discharges. Records good. Some regulation by Tennessee-Tombigbee Waterway since 1985. Statistics shown below are for water years 1985 to the current year, except for instantaneous extremes, which are shown for the entire period of record. Telemeter, satellite telemeter, and U.S. Army Corps of Engineers radio telemeter at station.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 17	1500	*10,800	*18.58	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	157	116	177	154	749	1780	457	369	307	839	108	186
2	155	113	155	142	613	1260	466	323	313	388	108	670
3	152	117	147	131	510	963	1450	294	225	228	138	2020
4	154	130	137	131	438	1220	7030	264	205	194	151	1890
5	161	139	131	130	400	1270	6510	244	854	212	146	1390
6	158	141	121	134	361	949	3600	233	688	210	120	743
7	162	122	111	154	339	773	2120	220	1190	241	110	417
8	158	108	109	159	324	654	1430	210	2410	186	147	312
9	154	498	117	154	311	580	971	213	2240	174	170	251
10	147	441	120	168	589	527	718	248	1680	174	497	195
11	151	222	121	172	568	497	591	219	1080	239	437	159
12	153	150	120	203	501	598	567	197	680	277	479	136
13	154	133	155	230	1670	1230	2000	190	453	278	390	133
14	155	129	959	216	2790	1050	4160	172	309	220	530	123
15	150	113	705	218	2890	1390	3410	156	241	166	398	121
16	153	111	1430	222	3450	1670	2510	151	244	151	265	119
17	152	129	3530	215	9790	1190	1740	143	253	133	197	116
18	147	135	3040	710	8290	884	1150	148	195	120	168	113
19	152	128	1990	3590	4700	696	798	145	164	129	184	133
20	150	111	1210	7070	2450	798	625	164	170	132	183	128
21	112	107	672	5080	1670	1470	540	217	178	126	147	131
22	98	117	454	2790	1370	1410	489	261	264	120	120	128
23	102	149	335	1720	1250	1300	452	303	237	112	110	113
24	131	262	270	1090	965	1000	961	244	203	109	125	127
25	132	1420	242	722	2400	752	1070	213	186	117	123	114
26	123	904	216	538	4310	608	804	183	171	127	117	102
27	128	480	204	460	3070	534	655	168	178	126	118	95
28	128	336	212	405	2390	491	534	172	170	122	186	95
29	121	260	210	380	---	473	458	406	233	136	145	91
30	118	203	186	1270	---	460	407	358	348	144	109	86
31	118	---	161	1100	---	447	---	288	---	131	115	---
TOTAL	4386	7524	17747	29858	59158	28924	48673	7116	16069	6061	6341	10437
MEAN	141	251	572	963	2113	933	1622	230	536	196	205	348
MAX	162	1420	3530	7070	9790	1780	7030	406	2410	839	530	2020
MIN	98	107	109	130	311	447	407	143	164	109	108	86
CFSM	.23	.41	.94	1.57	3.45	1.52	2.65	.38	.88	.32	.33	.57
IN.	.27	.46	1.08	1.81	3.60	1.76	2.96	.43	.98	.37	.39	.63

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2001, BY WATER YEAR (WY)

	MEAN	207	525	1294	1344	1710	1551	1065	1001	740	284	246	174
MAX	382	2056	4885	3280	4652	2771	3244	7724	3164	1232	931	408	
(WY)	1990	1987	1992	1999	1990	1995	1991	1991	1997	1989	1992	1992	
MIN	105	143	190	152	343	540	165	148	92.6	113	82.8	82.0	
(WY)	1988	2000	2000	1986	2000	1985	1986	1988	1988	1986	1987	1986	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1985 - 2001

ANNUAL TOTAL	148776	242294	
ANNUAL MEAN	406	664	841
HIGHEST ANNUAL MEAN			1837
LOWEST ANNUAL MEAN			353
HIGHEST DAILY MEAN	10800	Apr 4	55100
LOWEST DAILY MEAN	98	Oct 22	33
ANNUAL SEVEN-DAY MINIMUM	117	Dec 6	101
MAXIMUM PEAK FLOW			10800
MAXIMUM PEAK STAGE			18.58
ANNUAL RUNOFF (CFSM)	.66		1.08
ANNUAL RUNOFF (INCHES)	9.04		14.73
10 PERCENT EXCEEDS	682	1670	1820
50 PERCENT EXCEEDS	156	220	314
90 PERCENT EXCEEDS	124	118	115

MOBILE RIVER BASIN

02431000 TOMBIGBEE RIVER NEAR FULTON, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.51	7.16	7.68	7.48	11.75	15.28	9.83	9.18	8.71	12.15	7.09	7.75
2	7.49	7.14	7.49	7.38	10.92	13.97	9.90	8.83	8.75	9.31	7.09	10.59
3	7.47	7.17	7.43	7.29	10.21	12.85	12.70	8.61	8.06	8.09	7.35	15.68
4	7.49	7.28	7.34	7.29	9.69	13.82	17.79	8.38	7.90	7.82	7.46	15.49
5	7.54	7.36	7.29	7.28	9.41	14.01	17.67	8.22	12.10	7.96	7.42	14.35
6	7.52	7.37	7.21	7.32	9.12	12.78	16.79	8.13	11.35	7.94	7.20	11.66
7	7.55	7.21	7.12	7.49	8.95	11.89	15.79	8.03	13.35	8.20	7.11	9.53
8	7.52	7.09	7.10	7.53	8.84	11.18	14.47	7.95	16.12	7.75	7.42	8.75
9	7.49	10.04	7.17	7.49	8.74	10.71	12.87	7.97	15.96	7.65	7.62	8.27
10	7.43	9.70	7.20	7.60	10.69	10.33	11.57	8.25	15.09	7.65	10.11	7.82
11	7.46	8.04	7.21	7.63	10.61	10.12	10.78	8.02	13.31	8.17	9.68	7.53
12	7.48	7.45	7.19	7.89	10.14	10.74	10.59	7.84	11.33	8.47	9.99	7.33
13	7.49	7.31	7.49	8.11	14.79	13.75	15.41	7.79	9.80	8.49	9.34	7.30
14	7.49	7.27	12.61	8.00	16.43	12.90	17.02	7.63	8.72	8.03	10.35	7.22
15	7.46	7.14	11.47	8.01	16.51	13.83	16.74	7.51	8.20	7.59	9.40	7.20
16	7.48	7.12	14.07	8.04	16.71	14.69	16.21	7.46	8.22	7.46	8.38	7.19
17	7.47	7.27	16.76	7.99	18.38	13.47	15.19	7.39	8.29	7.31	7.84	7.16
18	7.43	7.32	16.56	10.99	18.07	12.30	13.59	7.44	7.83	7.20	7.60	7.13
19	7.47	7.26	15.60	16.58	17.18	11.38	12.03	7.41	7.57	7.28	7.74	7.31
20	7.45	7.12	13.74	17.81	16.13	11.90	11.00	7.56	7.62	7.30	7.73	7.27
21	7.12	7.08	11.27	17.30	15.06	14.62	10.42	8.01	7.68	7.25	7.43	7.29
22	7.01	7.17	9.81	16.38	14.34	14.46	10.06	8.35	8.37	7.20	7.20	7.26
23	7.04	7.44	8.92	15.15	13.94	14.11	9.80	8.68	8.16	7.12	7.11	7.14
24	7.29	8.33	8.42	13.36	12.86	13.02	12.54	8.22	7.89	7.10	7.24	7.25
25	7.30	14.45	8.20	11.59	15.29	11.77	13.26	7.97	7.75	7.17	7.23	7.15
26	7.22	12.45	8.00	10.41	17.07	10.89	12.07	7.73	7.63	7.25	7.17	7.04
27	7.26	9.99	7.90	9.85	16.58	10.38	11.19	7.60	7.69	7.25	7.18	6.97
28	7.26	8.93	7.96	9.45	16.12	10.07	10.38	7.63	7.62	7.21	7.76	6.97
29	7.21	8.34	7.95	9.26	---	9.95	9.84	9.44	8.12	7.33	7.41	6.94
30	7.18	7.89	7.75	13.84	---	9.85	9.47	9.09	9.02	7.40	7.10	6.90
31	7.18	---	7.55	13.37	---	9.76	---	8.57	---	7.29	7.15	---
MEAN	7.38	8.10	9.34	10.17	13.38	12.28	12.90	8.09	9.61	7.79	7.87	8.45
MAX	7.55	14.45	16.76	17.81	18.38	15.28	17.79	9.44	16.12	12.15	10.35	15.68
MIN	7.01	7.08	7.10	7.28	8.74	9.76	9.47	7.39	7.57	7.10	7.09	6.90

02432500 BULL MOUNTAIN CREEK AT TREMONT, MS

LOCATION.--Lat 34°14'20", long 88°16'14", in NE1/4 SW1/4 sec.5, T.10 S., R.10 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, on left bank at downstream side of bridge on U.S. Highway 78, 0.7 mi northwest of Tremont, 1.5 mi upstream from Johns Creek, 1.5 mi upstream from Cypress Creek, 8.0 mi southeast of Fulton, and 27.2 mi upstream from the mouth.

DRAINAGE AREA.--136 mi².

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

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

REMARKS.--Estimated daily discharges: Oct. 30-31 and Nov. 1, 23-24, 26-28. Records fair except for estimated daily discharges, which are poor. Discharges over 200 ft³/s not determined. Satellite telemeter at station.

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

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge not determined, maximum gage height 9.84 ft, Apr. 4, minimum discharge, 6.6 ft³/s, Oct. 11, 12-15, 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.1	e18	48	49	---	---	197	73	---	70	20	23
2	8.6	17	43	47	---	---	192	69	---	70	23	61
3	8.2	17	40	41	179	---	---	66	137	78	16	---
4	7.9	17	37	42	161	---	---	60	99	74	14	166
5	7.8	17	35	43	151	---	---	57	142	177	13	87
6	7.8	20	35	43	137	---	---	54	118	138	14	58
7	7.7	21	34	42	126	---	---	52	---	97	16	73
8	7.3	23	32	41	118	188	---	50	---	63	19	79
9	6.9	---	31	40	111	166	---	53	---	51	84	51
10	6.9	---	31	36	199	147	---	60	---	44	89	43
11	6.7	64	31	35	---	130	---	53	---	41	41	44
12	6.6	41	31	46	184	132	---	47	---	40	31	38
13	6.6	33	34	54	---	---	---	51	185	37	65	32
14	6.6	30	---	47	---	---	---	43	152	34	122	30
15	6.6	28	192	45	---	---	---	37	131	28	75	30
16	6.7	26	---	44	---	---	---	31	128	24	39	27
17	6.9	49	---	42	---	---	---	27	109	22	30	26
18	6.9	54	---	---	---	---	---	24	92	21	25	26
19	6.9	37	---	---	---	---	---	21	81	19	23	25
20	7.2	32	---	---	---	---	179	21	72	18	23	28
21	7.2	31	163	---	---	---	159	36	63	17	23	55
22	7.2	28	147	---	---	---	141	47	61	17	21	40
23	7.7	e27	116	---	---	---	125	43	60	17	18	31
24	8.0	e27	99	---	---	---	174	31	59	16	17	29
25	8.4	---	91	---	---	---	182	41	52	15	17	26
26	9.3	e135	78	194	---	---	129	34	48	14	15	26
27	10	e73	74	177	---	---	113	25	45	14	15	24
28	11	e62	73	156	---	---	102	21	64	14	16	23
29	12	57	67	151	---	---	198	92	63	57	14	22
30	e23	54	59	---	---	---	194	82	52	53	13	22
31	e20	---	53	---	---	---	194	---	155	---	13	20
TOTAL	269.7	---	---	---	---	---	---	1497	---	1310	988	---
MEAN	8.70	---	---	---	---	---	---	48.3	---	42.3	31.9	---
MAX	23	---	---	---	---	---	---	155	---	177	122	---
MIN	6.6	---	---	---	---	---	---	21	---	13	13	---
MED	7.7	---	---	---	---	---	---	47	---	24	22	---
CFSM	.06	---	---	---	---	---	---	.36	---	.31	.23	---
IN.	.07	---	---	---	---	---	---	.41	---	.36	.27	---

e Estimated

MOBILE RIVER BASIN

02433500 TOMBIGBEE RIVER AT BIGBEE, MS

LOCATION.--Lat 34°00'41", long 88°30'49", in SW1/4 NE1/4 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 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. Daily mean gage heights published since October 1985. 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 1304: 1946, 1948. WRD Miss. 1972: Drainage area.

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

REMARKS.--Estimated daily discharges: Nov.9 and May 4-15. Records good except for periods of estimated daily discharges, which are poor. Some regulation by Tennessee-Tombigbee Waterway since 1985. Statistics shown below are for water years 1985 to the current year, except for instantaneous extremes, which are shown for the entire period of record. Satellite telemeter and U.S. Army Corps of Engineers radio telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of 1973 reached a stage of 27.64 ft and a discharge of 112,000 ft³/s and 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)
Jan. 19	2030	20,000	17.17	Apr. 5	1030	*30,100	*19.51
Feb. 19	0615	19,700	17.07				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	284	240	438	323	2430	5310	1180	657	2420	1010	326	728
2	283	239	399	287	1980	4270	1160	602	1300	1090	302	1440
3	283	234	375	270	1190	3800	4140	718	1190	594	290	2440
4	280	240	388	368	1140	4010	16800	e567	945	698	306	1920
5	279	249	463	283	1010	2990	27000	e552	3520	713	318	1930
6	299	261	352	254	669	2710	18300	e528	1750	920	332	1870
7	286	257	343	541	1030	2320	11000	e514	5070	618	313	1330
8	284	265	337	287	593	1710	7020	e490	6530	426	307	687
9	280	e2380	342	268	567	1490	4840	e472	4080	381	800	522
10	283	1170	349	263	1400	1450	2720	e455	4220	359	803	445
11	272	1190	348	698	1410	1110	2270	e572	3300	444	845	432
12	278	388	338	466	1880	2150	2180	e640	2130	397	1020	354
13	286	508	651	371	6770	3420	5660	e537	1800	342	1710	307
14	290	404	2690	530	7570	2880	4800	e389	867	433	1500	295
15	286	250	2140	379	5720	4460	5750	e370	632	378	932	363
16	283	363	6650	367	8800	3880	6350	349	565	333	644	294
17	284	285	8240	635	16100	4040	5120	339	551	311	485	277
18	281	265	4190	3270	14300	2840	3850	323	761	297	407	274
19	338	265	4930	16200	17600	1780	2830	317	419	279	375	471
20	286	260	4370	18100	11200	2890	2200	335	375	275	377	312
21	282	241	3060	16600	7050	5070	1720	606	375	283	376	305
22	264	234	1770	11900	5730	3980	1500	963	835	281	341	284
23	242	1281	1060	7510	3990	3720	1240	496	528	313	283	253
24	241	1260	601	5010	3400	3250	2530	629	448	265	297	271
25	246	3980	675	3250	4960	2320	2310	444	395	258	297	274
26	252	2100	439	1730	4120	1800	1980	396	758	270	297	269
27	245	1590	405	1620	4570	1270	1660	354	394	305	306	260
28	253	785	383	1370	7120	1420	1550	586	373	306	387	253
29	249	803	374	1380	---	1200	1330	958	666	305	415	251
30	243	502	361	2420	---	1070	795	734	602	319	541	271
31	237	---	556	2630	---	953	---	1680	---	328	303	---
TOTAL	8469	21490	48017	99580	144299	85563	151785	17572	47799	13593	16265	19412
MEAN	273	716	1549	3212	5154	2760	5060	567	1593	438	525	647
MAX	338	3980	8240	18100	17600	5310	27000	1680	6530	1090	1710	2440
MIN	211	234	337	254	567	953	795	317	373	258	290	251
MED	281	283	439	635	4060	2840	2620	528	798	333	375	310
CF5M	.22	.58	1.26	2.62	4.20	2.25	4.13	.46	1.30	.36	.43	.53
IN.	.26	.65	1.46	3.02	4.38	2.60	4.61	.53	1.45	.41	.49	.59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2001, BY WATER YEAR (WY)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	490	1021	2718	2855	3571	3436	2610	2311	1613	642	470	486					
MAX	919	3666	9297	7248	9187	6211	7958	17810	8068	1900	897	1770					
(WY)	1985	1987	1991	1999	1991	1995	1991	1991	1997	1989	1993	1993					
MIN	247	311	434	343	787	925	382	331	242	283	219	209					
(WY)	1988	2000	2000	1986	2000	1988	1986	1988	1988	1988	1987	1986					

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1985 - 2001

	2000	2001	1985-2001
ANNUAL TOTAL	390379	673844	1844
ANNUAL MEAN	1067	1846	4530
HIGHEST ANNUAL MEAN			613
LOWEST ANNUAL MEAN			89500
HIGHEST DAILY MEAN	27600	Apr 4	May 28 1991
LOWEST DAILY MEAN	177	Jun 15	Oct 7 1984
ANNUAL SEVEN-DAY MINIMUM	198	Jun 11	Oct 1 1984
MAXIMUM PEAK FLOW			May 28 1991
INSTANTANEOUS LOW FLOW			May 28 1991
ANNUAL RUNOFF (CF5M)			Oct 9 1985
ANNUAL RUNOFF (INCHES)	11.85		1.50
10 PERCENT EXCEEDS	2090	4660	20.43
50 PERCENT EXCEEDS	348	567	700
90 PERCENT EXCEEDS	242	271	264

e Estimated

MOBILE RIVER BASIN

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02433500 TOMBIGBEE RIVER AT BIGBEE, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.59	3.44	4.03	3.71	7.28	10.63	5.33	4.51	7.20	5.07	3.73	4.51
2	3.59	3.43	3.94	3.60	6.58	9.60	5.31	4.40	5.52	5.19	3.65	5.60
3	3.59	3.41	3.87	3.55	5.34	9.06	8.37	4.60	5.35	4.38	3.61	7.24
4	3.58	3.43	3.89	3.84	5.27	9.30	16.23	---	4.98	4.51	3.67	6.49
5	3.58	3.47	4.06	3.58	5.07	8.04	18.84	---	8.66	4.59	3.70	6.50
6	3.64	3.52	3.80	3.49	4.53	7.66	16.63	---	6.22	4.85	3.75	6.42
7	3.60	3.50	3.78	4.13	5.11	7.10	14.07	---	10.00	4.36	3.69	5.56
8	3.59	3.53	3.76	3.60	4.38	6.15	11.93	---	11.46	4.00	3.66	4.56
9	3.58	---	3.78	3.54	4.33	5.78	10.18	---	9.38	3.89	4.60	4.23
10	3.59	5.33	3.80	3.52	5.67	5.73	7.65	---	9.54	3.82	4.69	4.05
11	3.55	5.32	3.79	4.40	5.69	5.23	7.02	---	8.42	4.04	4.83	4.01
12	3.57	3.90	3.76	4.06	6.40	6.73	6.85	---	6.82	3.93	5.11	3.81
13	3.60	4.15	4.34	3.86	11.51	8.57	10.88	---	6.26	4.05	6.17	3.67
14	3.61	3.88	7.61	4.19	12.29	7.90	10.12	---	4.87	4.02	5.83	3.63
15	3.60	3.48	6.79	3.88	11.00	9.74	10.99	---	4.46	3.88	4.97	3.80
16	3.59	3.75	11.55	3.84	12.84	9.14	11.51	3.79	4.32	3.75	4.48	3.62
17	3.59	3.60	12.54	4.42	15.99	9.33	10.45	3.77	4.28	3.69	4.15	3.57
18	3.58	3.53	9.51	7.94	15.39	7.83	9.10	3.72	4.67	3.63	3.96	3.56
19	3.75	3.53	10.27	15.92	16.46	6.27	7.80	3.70	3.99	3.58	3.87	4.00
20	3.60	3.51	9.69	16.63	14.18	7.76	6.93	3.74	3.87	3.56	3.87	3.68
21	3.59	3.44	8.09	16.17	11.96	10.36	6.16	4.33	3.86	3.59	3.87	3.66
22	3.53	3.41	6.25	14.49	11.01	9.26	5.80	4.95	4.82	3.58	3.77	3.59
23	3.44	3.58	5.14	12.23	9.25	8.97	5.41	4.17	4.25	3.56	3.69	3.59
24	3.40	5.24	4.40	10.29	8.57	8.35	7.39	4.43	4.06	3.53	3.63	3.55
25	3.46	9.16	4.52	8.37	10.19	7.08	7.08	4.05	3.92	3.51	3.63	3.56
26	3.49	6.77	4.04	6.18	9.42	6.30	6.58	3.93	4.61	3.55	3.63	3.54
27	3.45	5.96	3.95	6.01	9.83	5.46	6.07	3.81	3.91	3.67	3.66	3.52
28	3.49	4.73	3.89	5.62	12.04	5.71	5.89	4.29	3.87	3.67	3.90	3.49
29	3.47	4.75	3.87	5.65	---	5.36	5.55	5.00	4.43	3.66	3.98	3.48
30	3.45	4.19	3.83	7.26	---	5.17	4.75	4.65	4.30	3.71	4.17	3.55
31	3.43	---	4.23	7.55	---	5.00	---	6.12	---	3.73	3.65	---
MEAN	3.55	---	5.51	6.63	9.20	7.57	8.90	---	5.74	3.95	4.12	4.27
MAX	3.75	---	12.54	16.63	16.46	10.63	18.84	---	11.46	5.19	6.17	7.24

MOBILE RIVER BASIN

02435020 TOWN CREEK AT EASON BOULEVARD AT TUPELO, MS

LOCATION.--Lat 34°14'06", long 88°14'00", in NE1/4 NW1/4 sec.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 sea level.

REMARKS.--Satellite telemeter and U.S. Army Corps of Engineers radio telemeter at station

Note:--Records for 2001 Water Year will be published in a subsequent report.

02436500 TOWN CREEK NEAR NETTLETON, MS

LOCATION.--Lat 34°03'33", long 88°37'43", in NW1/4 NW1/4 sec.12, T.12 S., R.6 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160102, near right bank on upstream side of upstream 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.

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for October and November 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 sea level (levels by U. S. Army Corps of Engineers). Prior to Oct. 1, 1947, at datum 10.00 ft higher.

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

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 16	1415	18,800	24.34	Feb. 16	2100	19,700	25.84
Jan. 19	1230	*20,000	*26.01	Apr. 3	1630	18,600	24.01

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	47	203	197	661	1790	385	326	1850	452	52	e313
2	15	48	176	174	526	1220	336	283	513	169	36	4170
3	44	48	155	189	446	1990	6430	257	310	125	32	2570
4	50	84	140	173	403	3460	12400	234	1860	519	30	1270
5	84	86	131	165	368	1500	4490	217	4540	493	29	754
6	96	68	122	163	336	870	2740	208	1300	189	27	486
7	66	63	116	157	314	660	2030	200	7910	115	73	352
8	56	112	111	153	291	551	1570	200	3680	93	63	261
9	55	3740	106	141	302	471	1220	272	1660	81	2520	221
10	55	603	102	129	877	397	948	210	987	74	1640	182
11	54	211	96	160	524	351	762	322	672	77	895	153
12	54	128	104	323	1990	2920	1790	253	494	137	2080	142
13	53	95	1010	225	10400	2200	7140	220	385	106	3060	120
14	53	82	2760	215	4520	883	2820	187	315	78	1180	105
15	52	64	1900	249	2390	4670	3030	165	272	64	399	91
16	50	80	10500	202	10400	1680	2000	141	251	57	255	83
17	50	143	4720	358	10900	940	1270	125	201	53	195	76
18	49	86	1820	8530	3320	708	927	117	174	53	183	77
19	50	67	1130	17900	2310	595	759	110	152	48	272	88
20	51	55	771	6230	1720	2220	647	112	134	46	174	115
21	52	47	671	2640	1270	2150	564	565	123	52	123	81
22	51	43	526	1910	3100	953	478	515	117	43	105	65
23	51	42	412	1340	1420	685	424	292	118	39	94	59
24	50	3710	375	993	948	555	2440	246	106	38	84	55
25	51	4740	323	786	6380	464	1040	253	92	36	76	50
26	50	1130	288	628	2280	405	668	173	84	53	68	48
27	49	607	303	538	3290	362	532	146	87	38	92	45
28	48	392	311	464	4280	334	440	240	109	36	412	44
29	49	295	264	805	---	325	409	1270	260	36	174	41
30	47	236	215	2570	---	349	353	393	168	34	153	39
31	47	---	202	1010	---	369	---	2400	---	95	129	---
TOTAL	1594	17152	30063	49717	75966	37027	61042	10652	28924	3529	14705	12156
MEAN	51.4	572	970	1604	2713	1194	2035	344	964	114	474	405
MAX	96	4740	10500	17900	10900	4670	12400	2400	7910	519	3060	4170
MIN	12	42	96	129	291	325	336	110	84	34	27	39
CFSM	.08	.92	1.56	2.59	4.38	1.93	3.28	.55	1.56	.18	.77	.65
IN.	.10	1.03	1.80	2.98	4.56	2.22	3.66	.64	1.74	.21	.88	.73

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2001, BY WATER YEAR (WY)

	MEAN	148	694	1378	1692	1945	2135	1568	993	512	361	177	203
MAX	1043	6074	8062	6105	5740	6215	5434	8377	3924	2512	1381	2208	
(WY)	1976	1958	1983	1949	1948	1975	1991	1991	1997	1940	1967	1958	
MIN	3.97	14.7	40.3	66.6	294	240	105	63.6	19.0	22.4	7.12	5.39	
(WY)	1944	1954	1966	1956	2000	1954	1986	1943	1988	1942	1954	1954	

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1940 - 2001
ANNUAL TOTAL	175627.2	342527	
ANNUAL MEAN	480	938	979
HIGHEST ANNUAL MEAN			2342
LOWEST ANNUAL MEAN			306
HIGHEST DAILY MEAN	20200	Apr 2	95300
LOWEST DAILY MEAN	8.3	Sep 5	1.0
ANNUAL SEVEN-DAY MINIMUM	9.5	Aug 30	1.6
MAXIMUM PEAK FLOW			151000
MAXIMUM PEAK STAGE			33.88
ANNUAL RUNOFF (CFSM)	.77		1.58
ANNUAL RUNOFF (INCHES)	10.54		21.46
10 PERCENT EXCEEDS	739	2540	2150
50 PERCENT EXCEEDS	72	246	200
90 PERCENT EXCEEDS	14	50	21

e Estimated

MOBILE RIVER BASIN

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

LOCATION.--Lat. 33°49'48", long 88°31'12" in NE1/4 SW1/4 sec. 22, T.14 S., R.19 W., Huntsville Meridian, Hydrologic Unit 03160101, Monroe County, 0.85 mi upstream from (02437500) Tombigbee River at Aberdeen and at mile 362.98.

DRAINAGE AREA.--2,047 mi², prior to construction of Tennessee-Tombigbee Waterway.

PERIOD OF RECORD.--August 1928 to September 1958, October 1958 to September 1971 (annual maximums only), October 1971 to September 1982, May 1984 to current year. Prior to October 1982, published as "02437500 Tombigbee River at Aberdeen." Daily mean gage-heights published from October 1971 to September 1982. Gage-height records collected at site 0.45 mi upstream since 1909 are contained in reports of National Weather Service.

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

REMARKS.--Estimated daily discharges: Nov. 25, Dec. 14, 16, 17, and Feb. 13, 28. Records fair above 1,000 ft³/s and poor below due to variable backwater from Columbus Lock and Dam. Estimated daily discharges are considered poor. Regulation for maintenance of navigational pool only since May 1984. Statistics shown below are for water years 1984 to the current year, except for instantaneous extremes, which are shown for the entire period of record. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	442	688	1340	1780	5240	10900	3060	1860	8760	2840	696	2240
2	319	482	774	1060	4170	8860	3050	1930	4100	2100	872	7080
3	617	603	687	1060	2820	9190	9350	2320	2930	1570	459	9140
4	638	823	1250	1570	2970	11900	31900	1250	3570	2760	751	5100
5	616	822	1240	1350	2730	8330	33800	1480	14100	2200	1230	4220
6	885	677	754	1360	2760	6610	24300	1930	4540	2270	1120	4050
7	595	949	574	1890	2690	5350	15300	984	16000	2020	580	2810
8	637	1750	533	1400	1930	4860	10900	1500	17000	822	1010	1840
9	381	8560	788	1020	2260	4110	9000	2210	8980	1210	4240	1680
10	372	2860	958	1110	3850	3710	5480	1220	8090	726	4760	1360
11	671	2520	982	1900	3310	3740	5200	1890	5550	1030	2950	1620
12	584	793	682	2380	5950	8020	4430	2060	3910	1150	4100	1290
13	460	1630	1790	994	e22500	10400	16600	1740	3720	1180	7490	1120
14	623	1270	e7720	2010	17600	7040	11900	926	2350	1120	4390	935
15	665	513	5340	1210	12300	13600	11700	1070	2140	968	2190	1140
16	711	1290	e19000	1230	18300	9580	11900	1670	2050	615	1650	1300
17	715	882	e20700	2520	35500	8030	10400	996	1870	1020	1140	781
18	690	631	9080	14000	20800	5980	7130	1360	2450	740	1030	1000
19	851	1160	7740	40300	21500	4630	5830	965	982	618	1060	1490
20	799	507	7210	38400	15300	7600	4850	1350	732	599	1040	527
21	668	920	4780	21400	11600	12200	3810	2570	1620	842	1060	688
22	700	550	2280	15700	12000	8500	3280	3300	2290	819	1040	728
23	1100	296	2470	11200	8390	6920	3690	1410	1350	684	658	1480
24	715	5370	2280	9010	7060	6920	8320	2260	924	684	477	424
25	401	e9010	2250	5870	14500	4560	5270	1190	1240	730	1060	988
26	688	5480	1880	3970	10400	3760	4560	1280	1630	625	999	689
27	690	3670	2140	3120	10100	2780	3850	941	1240	965	801	281
28	450	1590	1550	2790	e18000	3460	3360	2130	1020	365	787	505
29	498	2050	1610	3560	---	2900	3310	4190	1780	898	1380	915
30	711	1260	648	8220	---	2670	2150	2630	1510	1020	1700	1060
31	668	---	1780	6540	---	2990	---	6360	---	799	1160	---
MEAN	631	1987	3639	6772	10590	6777	9256	1902	4281	1161	1738	1949
MAX	1100	9010	20700	40300	35500	13600	33800	6360	17000	2840	7490	9140
MIN	319	296	533	994	1930	2670	2150	926	732	365	459	281

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2001, BY WATER YEAR (WY)

	MEAN	1250	2518	5518	6085	7546	6977	5437	4572	3481	1919	1189	955
MAX	2305	8154	15520	13090	17580	11750	16630	29390	14180	10680	2306	1949	
(WY)	1995	1987	1991	1999	1991	1995	1991	1991	1997	1989	1998	2001	
MIN	474	814	1136	978	1951	2571	929	853	479	411	349	220	
(WY)	1988	2000	2000	1986	2000	1985	1986	1988	1988	1984	1984	1984	

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1984 - 2001
ANNUAL MEAN	2344	4170	3965
HIGHEST ANNUAL MEAN			8424
LOWEST ANNUAL MEAN			1781
HIGHEST DAILY MEAN			103000
LOWEST DAILY MEAN	53000	Apr 4	40300
ANNUAL SEVEN-DAY MINIMUM	141	Aug 30	281
MAXIMUM PEAK FLOW	383	Aug 29	529
MAXIMUM PEAK STAGE			49600
10 PERCENT EXCEEDS	4380		27.02
50 PERCENT EXCEEDS	1040		10600
90 PERCENT EXCEEDS	451		1860
			644
			502

e Estimated

02439400 BUTTAHATCHEE RIVER NEAR ABERDEEN, MS

LOCATION.--Lat 33°47'24", long 88°18'55", in NW1/4 SW1/4 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, 10.1 mi downstream from Sipsey Creek, 13.7 mi southeast of Aberdeen, and 28.6 mi upstream from the mouth.

DRAINAGE AREA.--798 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 Department of Transportation datum.

REMARKS.--Estimated daily discharges: Apr. 9-13, May 21 and Jul. 2-9. Records good except for estimated daily discharges, which are poor. Satellite telemeter and U. S. Army Corps of Engineers telemeter at station.

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.

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)
Jan. 21	1345	19,400	17.53	Apr. 6	0130	*22,800	*17.98
Feb. 19	1330	8,810	15.37	Jun. 9	1445	13,300	16.56

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	78	87	485	454	2840	2690	1170	682	1120	582	277	373
2	74	88	425	423	2280	2860	1130	641	1980	e635	499	583
3	71	89	382	399	1500	2750	1070	608	2870	e722	387	932
4	69	90	351	362	1240	2690	1630	577	3460	e514	250	1600
5	65	95	319	388	1110	2850	8850	537	2360	e544	200	1570
6	66	111	305	404	1020	2820	18100	506	1900	e725	208	1050
7	75	127	292	413	950	2260	9330	488	2870	e670	216	760
8	80	153	284	515	899	1780	6670	493	3730	e576	242	649
9	77	356	318	663	844	1520	e4490	852	10400	e498	291	539
10	75	1360	285	639	1020	1360	e3410	1550	9580	480	250	458
11	73	1300	267	526	1650	1230	e2610	1600	6130	434	273	437
12	74	663	260	490	1690	1400	e1920	1080	3260	400	331	429
13	79	409	271	530	2360	2160	e1660	814	1830	377	361	379
14	81	296	394	544	3330	2920	1920	692	1310	351	466	332
15	81	242	1050	525	5150	3830	2720	628	1080	317	931	304
16	79	231	1030	528	7280	4030	2600	531	992	284	724	311
17	78	254	1350	509	5930	4520	2440	482	925	255	443	275
18	78	416	2100	593	5400	5140	2010	443	805	235	329	256
19	76	457	3560	2220	8110	3640	1580	409	703	224	270	244
20	75	362	3030	6450	6350	2570	1340	382	633	208	238	240
21	74	313	1220	16300	3980	2650	1210	e494	569	198	226	242
22	74	274	932	10900	2670	3320	1110	606	533	207	207	327
23	77	241	842	6330	2310	3830	1020	727	540	217	180	285
24	78	284	733	3710	2540	3190	975	658	564	207	161	244
25	79	789	666	2160	2230	2170	1060	569	518	191	147	237
26	81	1680	618	1560	2070	1710	1080	586	459	178	134	460
27	83	1700	579	1300	2450	1460	913	513	419	192	122	411
28	82	991	585	1160	2660	1300	819	448	419	187	115	311
29	84	695	604	1100	---	1210	768	625	503	175	252	262
30	85	560	566	1590	---	1170	727	900	647	171	327	232
31	87	---	505	2380	---	1160	---	820	---	172	288	---
TOTAL	2388	14713	24608	66065	81863	78190	86332	20941	63109	11126	9345	14732
MEAN	77.0	490	794	2131	2924	2522	2878	676	2104	359	301	491
MAX	87	1700	3560	16300	8110	5140	18100	1600	10400	725	931	1600
MIN	65	87	260	362	844	1160	727	382	419	171	115	232
MED	78	304	566	593	2340	2650	1600	606	1040	284	252	352
CFSM	.10	.61	.99	2.67	3.66	3.16	3.61	.85	2.64	.45	.38	.62
IN.	.11	.69	1.15	3.08	3.82	3.64	4.02	.98	2.94	.52	.44	.69

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2001, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)
1966	501	2349	1976	77.0	2001
1967	951	2938	1978	275	1988
1968	1894	5698	1968	380	2000
1969	2445	4954	1974	519	1986
1970	2329	5459	1991	615	2000
1971	2766	6815	1980	703	1988
1972	2335	6130	1991	461	1986
1973	1721	8329	1991	315	1992
1974	875	5020	1997	136	1988
1975	560	1880	1994	163	2000
1976	387	1175	1975	98.2	2000
1977	368	1051	1979	81.6	2000

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1966 - 2001

ANNUAL TOTAL	248434	473412	1424
ANNUAL MEAN	679	1297	2747
HIGHEST ANNUAL MEAN			503
LOWEST ANNUAL MEAN			1991
HIGHEST DAILY MEAN	22500	18100	63900
LOWEST DAILY MEAN	56	65	56
ANNUAL SEVEN-DAY MINIMUM	59	71	59
MAXIMUM PEAK FLOW		22800	80000
MAXIMUM PEAK STAGE		17.98	23.48
INSTANTANEOUS LOW FLOW		63	54
ANNUAL RUNOFF (CFSM)	.85	1.63	1.78
ANNUAL RUNOFF (INCHES)	11.58	22.07	24.25
10 PERCENT EXCEEDS	1230	2890	3070
50 PERCENT EXCEEDS	295	569	742
90 PERCENT EXCEEDS	76	105	219

e Estimated

02440500 CHUQUATONCHEE CREEK NEAR WEST POINT, MS

LOCATION.--Lat 33°36'27", Long 88°42'33", in NW1/4 NE1/4 sec.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.

DRAINAGE AREA.--505 mi².

PERIOD OF RECORD.-- October 1943 to September 1946, October 1947 to September 1973, and April 1996 to current water year.

REVISED RECORDS.--WDR MS-98-1: Drainage area.

GAGE.--Water stage recorder. Datum of gage is 170.00 ft above sea level (U.S. Army Corps of Engineers).

REMARKS.--Estimated daily discharges: Oct. 1 - Nov. 8, Dec. 31, Jan. 2, May 26-29, and Sept. 17-18. Records good except for periods of estimated daily discharges, which are poor. Satellite telemeter at station.

CORRECTIONS.--The maximum discharge for water year 2000 was 26,600 ft³/s, Apr. 4, 2000, gage height, 20.93 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e.01	e.01	70	108	681	3140	243	121	871	207	26	129
2	e.01	e.01	57	e89	345	4300	294	109	1360	134	59	528
3	e.01	e.01	48	77	260	4130	238	100	673	72	20	1460
4	e.01	e.01	41	79	216	4060	456	90	387	72	11	833
5	e.01	e.01	38	77	192	3930	2200	82	1640	121	6.4	242
6	e.01	e.01	34	72	172	2860	2210	75	2240	79	5.2	118
7	e.01	e.01	32	95	157	1040	875	71	3840	49	5.1	119
8	e.01	e.01	29	798	147	480	354	68	4810	36	5.1	74
9	e.01	64	27	470	145	373	291	101	4910	30	15	71
10	e.01	433	26	208	402	302	247	157	3070	25	435	83
11	e.01	89	24	142	407	257	204	148	814	22	436	59
12	e.01	35	23	292	1160	1250	160	156	334	32	349	41
13	e.01	23	22	327	4820	2590	424	118	241	25	494	34
14	e.01	17	448	209	7850	3320	935	87	231	23	786	28
15	e.01	14	863	310	7630	3880	1680	70	196	21	322	24
16	e.01	14	823	252	5170	4130	4460	62	148	16	117	20
17	e.01	14	2250	217	4390	4380	7410	57	120	14	74	e20
18	e.01	29	3990	1240	6100	2020	4260	52	101	13	57	e19
19	e.01	24	4550	6970	7380	597	1040	50	86	13	53	19
20	e.01	17	1620	18400	3970	955	337	48	75	12	56	20
21	e.01	15	276	14200	1350	2380	254	127	68	11	61	16
22	e.01	13	195	8200	578	2670	213	1000	70	9.8	45	14
23	e.01	11	144	4250	437	1240	183	655	78	9.0	37	12
24	e.01	148	120	1500	352	476	245	204	67	8.4	31	12
25	e.01	1350	115	548	449	345	751	139	56	8.0	28	10
26	e.01	1740	107	371	1160	272	382	e94	49	6.8	25	8.6
27	e.01	769	163	292	921	231	242	e86	45	5.5	22	7.9
28	e.01	213	479	246	2020	206	191	e87	50	5.2	22	7.7
29	e.01	126	335	303	---	193	160	e244	78	5.0	31	7.5
30	e.01	91	184	1390	---	194	140	146	126	5.3	25	7.0
31	e.01	---	e123	1610	---	226	---	235	---	5.7	69	---
TOTAL	0.31	5249.08	17256	63342	58861	56427	31079	4839	26834	1095.7	3727.8	4043.7
MEAN	.010	175	557	2043	2102	1820	1036	156	894	35.3	120	135
MAX	.01	1740	4550	18400	7850	4380	7410	1000	4910	207	786	1460
MIN	.01	.01	22	72	145	193	140	48	45	5.0	5.1	7.0
MED	.01	17	120	303	630	1240	316	100	172	16	37	22
CFSM	.00	.35	1.10	4.05	4.16	3.60	2.05	.31	1.77	.07	.24	.27
IN.	.00	.39	1.27	4.67	4.34	4.16	2.29	.36	1.98	.08	.27	.30

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2001, BY WATER YEAR (WY)

MEAN	74.7	309	908	1500	1864	1829	1348	670	320	272	90.4	114
MAX	1177	4459	5071	4927	5088	4970	4060	3106	2978	1794	694	2096
(WY)	1958	1958	1962	1949	1948	1973	1964	1997	1997	1963	1946	1950
MIN	.000	.000	7.87	19.0	167	233	123	42.9	11.3	10.6	.000	.000
(WY)	1953	1954	1944	1956	2000	1954	1967	1965	1965	1969	1954	1954

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1944 - 2001

ANNUAL TOTAL	155095.81	272754.59	
ANNUAL MEAN	424	747	769
HIGHEST ANNUAL MEAN			1371
LOWEST ANNUAL MEAN			249
HIGHEST DAILY MEAN	25100 Apr 4	18400 Jan 20	48400 Mar 17 1973
LOWEST DAILY MEAN	.01 Aug 27	.01 Oct 1	.00 Oct 6 1943
ANNUAL SEVEN-DAY MINIMUM	.01 Aug 27	.01 Oct 1	.00 Oct 6 1943
MAXIMUM PEAK FLOW		20400 Jan 20	57100 Mar 17 1973
MAXIMUM PEAK STAGE		20.19 Jan 20	24.58 Mar 17 1973
INSTANTANEOUS LOW FLOW		.01a Oct 1	.00 Oct 6 1943
ANNUAL RUNOFF (CFSM)	.84	1.48	1.52
ANNUAL RUNOFF (INCHES)	11.42	20.09	20.70
10 PERCENT EXCEEDS	485	2240	2220
50 PERCENT EXCEEDS	41	118	96
90 PERCENT EXCEEDS	.01	.01	2.0

e Estimated

a Observed, may have been lower during periods of estimated record.

02441390 TOMBIGBEE RIVER AT STENNIS LOCK AND DAM, NEAR COLUMBUS, MS
(Formerly published as Tombigbee River at Columbus Lock and Dam, near Columbus, MS)

LOCATION.--Lat 33°31'03", long 88°29'22", in NE1/4 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, prior to construction of Tennessee-Tombigbee Waterway.

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

REMARKS.--Estimated daily discharges: Nov. 26-29, Apr. 14-18 and Jul. 23-25. 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 sea level and 110 ft by 600 ft lock with maximum lift of 27 ft at normal pool elevation of 163.0 ft above sea level. 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. Statistics shown below are for water years 1982 to the current year, except for instantaneous extremes, which are shown for the entire period of record at the datum then in use. Satellite telemeter at station.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	752	783	1500	2730	8340	19200	4820	3020	9480	3440	914	3940
2	399	808	1470	1150	7180	18600	5150	2380	7120	3010	573	7510
3	660	613	1240	1170	4950	25400	7500	2120	6140	1630	952	13100
4	748	744	1330	1870	4870	29200	32100	2060	6450	3620	642	7460
5	808	947	1720	1850	3590	20200	45600	2080	21700	4910	1570	5750
6	1280	994	1200	990	3600	16100	40800	2140	9550	2730	1280	4480
7	961	973	1250	3240	3100	12800	39600	1570	27600	3270	802	3880
8	575	1350	857	5450	2820	10200	22800	1600	32500	1510	783	1980
9	472	9830	876	3370	3150	8510	15000	2800	19000	1780	3340	1950
10	490	3210	1400	2280	5700	7970	10900	1580	21200	1720	5590	1530
11	435	3650	1190	2620	4720	6740	8560	3880	18500	1160	2590	1710
12	486	1520	1140	2650	11500	15600	6750	3000	9670	1120	4610	1070
13	534	2160	1560	2320	40900	27100	15900	2970	7360	1760	6570	1080
14	707	895	8480	2610	44400	18100	e14800	855	4520	1390	6480	1020
15	891	1310	4670	2200	34100	34000	e22100	2260	2810	1140	2570	538
16	747	953	21900	2330	34200	27400	e18400	1510	3540	798	1900	1180
17	816	1680	30500	2710	61800	20600	e16700	2130	2780	784	1300	936
18	921	615	12900	14400	43100	17200	e15900	1640	2260	1120	1330	781
19	729	1890	12800	60800	37300	11800	11000	1310	2180	759	1260	1920
20	754	632	13700	69900	33200	13800	5710	1560	1270	1110	1100	686
21	839	1370	8770	64100	22300	23800	5390	3580	2000	899	1060	805
22	833	818	5040	56900	15700	16000	3720	6820	2570	801	1040	849
23	918	571	2950	37200	11500	13800	4580	3500	2010	e817	971	1200
24	897	5360	2930	21500	8820	11700	7450	3160	1300	e448	298	1930
25	721	20900	2800	10800	14300	8690	6480	1890	1260	e578	1080	912
26	741	e7990	2030	6400	14300	6190	5470	2450	1380	584	721	789
27	782	e5500	3450	5060	12600	6110	4600	1880	2660	1010	747	543
28	781	e3390	3510	4200	23700	5110	2890	1730	680	628	459	504
29	756	e3440	3610	4900	---	4500	4730	4830	2510	790	1920	694
30	418	1430	1160	13200	---	5260	2000	2390	2120	1160	1780	1010
31	525	---	2410	10700	---	4870	---	6830	---	955	2140	---
TOTAL	22376	86326	160343	421600	515740	466550	407400	81525	234120	47431	58372	71737
MEAN	722	2878	5172	13600	18420	15050	13580	2630	7804	1530	1883	2391
MAX	1280	20900	30500	69900	61800	34000	45600	6830	32500	4910	6570	13100
MIN	399	571	857	990	2820	4500	2000	855	680	448	298	504
CFSM	.16	.65	1.16	3.06	4.15	3.39	3.06	.59	1.76	.34	.42	.54
IN.	.19	.72	1.34	3.53	4.32	3.91	3.41	.68	1.96	.40	.49	.60

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2001, BY WATER YEAR (WY)

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	5896	12940	36640	26290	33900	22820	37260	56740	24690	12310	3701	1994	1998	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996
MAX	5896	12940	36640	26290	33900	22820	37260	56740	24690	12310	3701	1994	1998	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996
(WY)	1985	1987	1983	1989	1991	1995	1983	1991	1997	1994	1998	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996
MIN	585	483	1360	1799	2970	4308	1613	1284	626	901	574	305	305	305	305	305	305	305	305	305	305	305	305	305	305	305	305	305	305	305	305
(WY)	1988	1982	2000	1986	2000	1985	1986	1992	1988	2000	1999	1984	1984	1984	1984	1984	1984	1984	1984	1984	1984	1984	1984	1984	1984	1984	1984	1984	1984	1984	1984

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1982 - 2001

	1423079	2573520	7577
ANNUAL TOTAL	1423079	2573520	7577
ANNUAL MEAN	3888	7051	15970
HIGHEST ANNUAL MEAN			2742
LOWEST ANNUAL MEAN			1991
HIGHEST DAILY MEAN	92600	Apr 4	166000
LOWEST DAILY MEAN	286	Sep 5	120
ANNUAL SEVEN-DAY MINIMUM	387	Aug 31	170
MAXIMUM PEAK FLOW			194000
MAXIMUM PEAK STAGE			42.22
ANNUAL RUNOFF (CFSM)	.88		1.71
ANNUAL RUNOFF (INCHES)	11.92		23.19
10 PERCENT EXCEEDS	6700	20400	18400
50 PERCENT EXCEEDS	1500	2570	2990
90 PERCENT EXCEEDS	499	748	698

e Estimated

MOBILE RIVER BASIN

02441500 TOMBIGBEE RIVER AT COLUMBUS, MS

LOCATION.--Lat 33°29'25", long 88°25'22", in NE1/4 NE1/4 sec.29, 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 Stennis Lock and Dam, near Columbus, 6.7 mi downstream from Tibbee Creek, and at mile 319.7.

DRAINAGE AREA.--4,463 mi², prior to construction of Tennessee-Tombigbee Waterway.

PERIOD OF RECORD.--October 1899 to December 1912, August 1928 to March 1981, April 1981 to current year (gage heights only). Monthly discharge only for some periods, published in WSP 1304. Daily mean gage heights published since January 1972. Gage-height records collected in this vicinity, 1890 to 1971, are contained in reports of National Weather Service.

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

GAGE.--Water-stage recorder. Datum of gage is 128.91 ft above sea level. 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 sea level.

REMARKS.--Stage affected since Dec. 27, 1979, by Aliceville Lock and Dam 32.0 mi downstream, normal pool elevation 136.0 ft above sea level and since Jan. 16, 1981, by Columbus Lock and Dam, 4.1 mi upstream. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 194,000 ft³/s, March 19, 1973, gage height, 42.22 ft, site and datum then in use, minimum daily discharge, 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 National Geodetic Vertical of 1929 at site 1.100 ft upstream (corresponding stage at gage about 44 ft) discharge 268,000 ft³/s estimated by U. S. Army Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--See 02441390 for discharge records. Maximum gage height, 23.44 ft, Jan. 20, minimum daily, 7.55 ft, Oct. 1.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.55	7.74	7.97	7.91	9.07	11.78	8.06	7.97	8.82	8.16	7.94	---
2	7.58	7.78	7.87	7.81	8.72	11.17	8.20	7.91	8.69	8.12	7.92	8.50
3	7.57	7.77	7.81	7.98	8.41	13.32	8.45	7.92	8.38	8.06	7.96	---
4	7.60	7.78	7.90	8.01	8.41	14.28	12.98	7.98	8.43	8.13	8.01	---
5	7.65	7.84	7.91	8.03	8.12	12.51	17.21	8.01	11.16	8.35	8.09	---
6	7.88	7.97	7.87	7.86	8.14	11.08	16.72	7.86	9.29	8.04	7.95	---
7	7.88	7.98	7.96	8.15	8.10	9.98	16.58	7.90	12.36	8.11	8.02	8.30
8	7.76	8.02	7.84	8.30	8.11	8.74	13.11	7.99	15.30	8.05	8.04	8.01
9	7.72	9.06	7.74	8.05	8.06	8.42	10.54	8.02	13.60	7.94	8.19	8.14
10	7.68	8.02	7.97	7.98	8.37	8.44	9.54	7.96	13.86	7.94	8.43	7.88
11	7.64	8.02	7.82	8.17	8.23	8.18	8.89	8.18	12.53	7.99	8.06	7.97
12	7.61	7.89	7.82	8.05	9.42	9.84	8.40	7.84	9.61	7.97	8.21	7.92
13	7.61	7.95	7.91	7.98	15.87	13.57	10.05	8.04	---	7.96	8.40	7.95
14	7.63	7.71	8.72	8.14	17.97	11.63	10.27	7.82	---	7.88	8.41	7.86
15	7.67	7.98	8.21	7.89	16.34	15.24	11.28	8.00	---	7.96	8.04	7.95
16	7.71	7.98	10.63	7.96	15.41	15.23	11.45	7.75	---	8.02	8.03	7.97
17	7.70	7.89	13.06	7.94	20.11	13.16	10.76	8.03	---	8.05	7.96	7.87
18	7.75	7.87	9.75	9.62	18.15	11.66	10.74	8.01	---	7.99	7.96	7.91
19	7.79	7.93	9.51	18.37	16.27	10.01	9.64	7.97	---	7.95	7.98	8.07
20	7.81	7.76	9.90	23.05	15.35	9.84	8.42	7.89	---	7.88	7.92	7.89
21	7.83	7.96	8.87	22.40	12.69	12.90	8.42	8.10	8.08	8.04	7.92	7.94
22	7.87	7.87	8.27	20.31	10.74	11.01	8.02	8.51	8.04	8.04	7.96	7.90
23	7.89	7.79	8.06	16.55	9.69	10.35	8.31	8.12	8.04	8.03	7.99	7.91
24	7.90	8.37	8.06	12.44	9.09	9.67	8.52	8.04	7.96	7.94	7.88	7.88
25	7.89	11.36	8.03	9.60	9.86	8.82	8.36	7.93	8.02	7.92	7.88	7.84
26	7.88	8.90	7.93	8.54	10.31	8.40	8.30	7.95	8.07	7.90	8.01	7.82
27	7.87	8.36	8.15	8.34	9.82	8.40	8.05	7.94	8.12	7.96	8.02	7.77
28	7.84	8.11	7.99	8.46	12.62	8.27	8.01	7.91	7.91	8.05	7.89	7.76
29	7.84	8.11	8.03	8.47	---	8.13	8.11	8.17	8.10	7.98	8.02	7.75
30	7.78	7.78	7.72	9.98	---	8.21	7.91	7.95	7.97	8.03	7.99	7.82
31	7.73	---	7.99	9.52	---	8.24	---	8.49	---	8.05	7.94	---
MEAN	7.75	8.12	8.43	10.38	11.48	10.66	10.11	8.01	---	8.02	8.03	---
MAX	7.90	11.36	13.06	23.05	20.11	15.24	17.21	8.51	---	8.35	8.43	---
MIN	7.55	7.71	7.72	7.81	8.06	8.13	7.91	7.75	---	7.88	7.88	---
MED	7.75	7.95	7.99	8.17	9.75	10.01	8.70	7.97	---	8.02	7.99	---

02443500 LUXAPALLILA CREEK NEAR COLUMBUS, MS

LOCATION.--Lat 33°30'51", long 88°23'43", in NW1/4 SW1/4 sec.11, T.18 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160105, on right bank at Columbus Water Works pumping plant, 175 ft upstream from bridge on county highway (formerly State Highway 50), 0.6 mi upstream from Magby Creek, 1.4 mi upstream from U. S. Highway 82 and 6.2 mi upstream from mouth.

DRAINAGE AREA.--715 mi².

PERIOD OF RECORD.--August 1928 to September 1930, October 1974 to current year. Monthly discharge only for September 1930.

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

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

REMARKS.--Estimated daily discharges: Jan. 19, 20, Feb. 12-14, Mar. 28 - Apr. 3 and Apr. 21 - May 7. Records good except for estimated daily discharges, which are poor. Satellite telemeter and U.S. Army Corps of Engineers radio telemeter at station.

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)
Jun. 9	2300	*9,970	*15.64	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	79	347	356	2020	2100	e1100	e360	506	444	96	283
2	39	82	297	302	1370	2210	e1080	e340	645	583	111	520
3	39	90	257	269	1370	2780	e1060	e310	714	719	129	788
4	38	88	229	260	1100	3480	1040	e282	590	635	119	1150
5	37	90	210	244	851	3740	2450	e263	814	563	104	2110
6	49	96	195	239	708	3400	3410	e250	1500	738	104	1840
7	57	107	187	261	618	2750	3510	e240	2730	681	115	1490
8	58	156	182	538	553	2220	3230	226	4760	594	124	999
9	62	210	179	796	504	1840	2430	254	8610	470	181	675
10	61	296	176	1020	487	1550	1890	796	8010	345	174	476
11	61	402	173	852	515	1350	1510	1230	4380	262	196	580
12	60	351	171	767	e880	1800	1240	843	2690	224	237	625
13	61	245	176	676	e3070	3350	1080	656	1820	216	249	466
14	64	184	244	657	e4850	4500	1040	518	1300	206	268	364
15	64	157	313	609	5230	5170	1400	388	920	188	258	299
16	63	156	482	538	3920	5800	2040	300	658	172	270	262
17	62	175	540	496	3670	5690	2720	248	489	158	215	232
18	62	213	553	508	4140	4190	2500	214	389	146	170	212
19	62	281	623	e2000	4170	3070	1990	191	318	134	147	212
20	62	267	534	e3500	3310	2620	1530	173	266	127	140	347
21	62	246	444	4810	2510	2890	e1250	175	237	120	184	246
22	62	225	375	4300	1920	3300	e1060	556	256	125	246	235
23	65	196	331	2990	1560	2910	e925	864	235	128	206	221
24	67	239	302	2050	1400	2480	e800	953	222	125	156	288
25	70	492	279	1510	1340	2110	e700	801	221	122	131	290
26	72	750	264	1160	1350	1760	e615	610	202	115	116	336
27	72	1060	293	914	1620	1500	e550	456	198	109	110	391
28	75	788	336	753	1950	e1360	e495	347	178	105	103	325
29	78	574	396	716	---	e1260	e450	282	204	104	114	248
30	77	442	437	1400	---	e1180	e400	306	261	102	163	210
31	78	---	410	1960	---	e1120	---	449	---	100	204	---
TOTAL	1880	8737	9935	37451	57186	85480	45495	13881	44323	8860	5140	16720
MEAN	60.6	291	320	1208	2042	2757	1516	448	1477	286	166	557
MAX	78	1060	623	4810	5230	5800	3510	1230	8610	738	270	2110
MIN	37	79	171	239	487	1120	400	173	178	100	96	210
MED	62	219	297	753	1560	2620	1170	340	548	172	156	342
AC-FT	3730	17330	19710	74280	113400	169500	90240	27530	87910	17570	10200	33160
CFSM	.08	.41	.45	1.69	2.86	3.86	2.12	.63	2.07	.40	.23	.78
IN.	.10	.45	.52	1.95	2.98	4.45	2.37	.72	2.31	.46	.27	.87

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2001, BY WATER YEAR (WY)

	MEAN	371	776	1335	2003	1942	2394	2110	1286	611	459	267	280
MAX	1675	3011	5840	3857	4650	6465	5671	7073	2886	1855	1201	1901	
(WY)	1975	1930	1984	1979	1990	1980	1991	1991	1997	1994	1975	1979	
MIN	60.6	139	268	463	501	461	308	154	55.8	70.4	49.7	44.5	
(WY)	2001	1988	1988	1986	2000	1988	1986	1988	1988	2000	1988	2000	

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1929 - 2001

	ANNUAL TOTAL	196859	335088	
ANNUAL MEAN	538	918	1152	
HIGHEST ANNUAL MEAN			2277	1991
LOWEST ANNUAL MEAN			320	1988
HIGHEST DAILY MEAN	19100	Apr 5	8610	Jun 9
LOWEST DAILY MEAN	35	Aug 25	37	Oct 5
ANNUAL SEVEN-DAY MINIMUM	36	Aug 22	43	Oct 1
MAXIMUM PEAK FLOW			9970	Jun 9
MAXIMUM PEAK STAGE			15.64	Jun 9
INSTANTANEOUS LOW FLOW			36	Oct 5, 6
ANNUAL RUNOFF (AC-FT)	390500		664600	
ANNUAL RUNOFF (CFSM)	.75		1.28	
ANNUAL RUNOFF (INCHES)	10.24		17.43	
10 PERCENT EXCEEDS	1060		2700	
50 PERCENT EXCEEDS	176		375	
90 PERCENT EXCEEDS	46		94	

e Estimated

02448500 NOXUBEE RIVER NEAR GEIGER, AL

LOCATION.--Lat 32°55'57", long 88°17'52", in NE1/4 sec. 33, T. 23 N., R. 3 W., Sumter County, Hydrologic Unit 03160108, near right bank on downstream side of bridge on State Highway 17, 0.1 mi upstream from Woodward Creek, 2.1 mi upstream from St. Louis-San Francisco Railroad bridge, 5 mi north of Geiger, and at mile 16.9.

DRAINAGE AREA.--1,097 mi².

PERIOD OF RECORD.--March 1939 to September 1940, August 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 sea level. 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.

REMARKS.--Estimated daily discharges: Apr. 28 to May 14. Records good except those estimated, which are fair. Discharge includes flow of old river channel at bridge on State Highway 17, 1 mi south of gage.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	48	350	925	2150	5000	890	e230	208	139	76	687
2	47	47	254	682	1620	4980	1060	e210	336	208	77	3930
3	47	47	191	500	1460	7100	1090	e195	289	120	115	7860
4	47	47	155	383	1160	8900	1010	e185	278	115	131	7360
5	46	48	132	322	870	8720	3940	e175	510	117	100	4920
6	50	50	117	285	691	7680	5630	e170	506	209	90	2130
7	53	52	105	302	579	6540	5330	e165	896	213	112	1690
8	51	81	99	1920	499	5560	4250	e160	3200	353	122	1390
9	55	311	94	1550	448	4820	2550	e180	3880	378	126	1080
10	67	209	90	1090	862	4320	2240	e220	2680	299	143	978
11	59	173	88	860	846	3200	2230	e275	1720	242	124	892
12	54	172	86	1200	1170	2100	1820	e320	1420	175	116	678
13	57	159	85	1120	3520	5340	1120	e280	1270	142	129	563
14	53	170	91	887	4270	5890	842	e220	908	123	441	464
15	50	153	102	778	3970	7890	766	194	590	112	531	378
16	49	119	126	733	3540	9110	677	167	416	121	558	313
17	49	104	143	784	6000	8460	620	146	317	123	461	264
18	49	139	148	1050	6020	7570	553	133	246	138	373	232
19	48	158	150	3630	5290	6910	482	124	198	131	274	235
20	47	193	146	7420	4630	6710	432	119	166	111	204	423
21	47	152	139	7370	4140	7130	388	121	145	97	165	246
22	46	133	159	6510	3440	6680	354	130	146	88	141	209
23	46	105	169	5280	2690	5840	319	122	133	83	125	206
24	46	228	146	3890	1770	4620	300	143	127	80	131	177
25	46	2610	129	3360	1160	2880	305	217	124	79	131	162
26	46	1920	120	3340	1330	2020	317	188	123	76	118	155
27	46	1090	402	2500	1150	1440	285	196	122	77	110	140
28	46	760	3360	1130	3500	1060	e280	177	122	88	248	129
29	47	718	3300	867	---	883	e265	150	120	84	674	121
30	47	528	1800	3120	---	818	e250	131	117	79	962	115
31	47	---	1130	3050	---	826	---	142	---	74	1330	---
TOTAL	1536	10724	13606	66838	68775	160997	40595	5585	21313	4474	8438	38127
MEAN	49.5	357	43	156	2456	5193	1353	180	710	144	272	1271
MAX	67	2610	3360	7420	6020	9110	5630	320	3880	378	1330	7860
MIN	46	47	85	285	448	818	250	119	117	74	76	115
CFSM	.05	.33	.40	1.97	2.24	4.73	1.23	.16	.65	.13	.25	1.16
IN.	.05	.36	.46	2.27	2.33	5.46	1.38	.19	.72	.15	.29	1.29

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2001, BY WATER YEAR (WY)

	MEAN	257	599	1620	2969	3466	3423	3143	1393	591	626	310	307
MAX	2515	2958	9407	9782	9415	9230	17520	10340	2794	7432	2064	3067	
(WY)	1976	1958	1962	1949	1983	1980	1979	1991	1997	1940	1946	1950	
MIN	31.0	49.5	105	91.1	210	455	180	107	61.3	62.8	34.1	27.5	
(WY)	1955	1955	1963	1956	2000	2000	1963	1965	1988	1952	1954	1954	

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1939 - 2001
ANNUAL TOTAL	206138	441008	
ANNUAL MEAN	563	1208	1547
HIGHEST ANNUAL MEAN	3967	1983	
LOWEST ANNUAL MEAN	327	1963	
HIGHEST DAILY MEAN	13100	Apr 4	9110 Mar 16
LOWEST DAILY MEAN	41	Sep 4-6	46 Oct 5, 22-28
ANNUAL SEVEN-DAY MINIMUM	42	Sep 3	46 Oct 22
MAXIMUM PEAK FLOW		9310	Mar 16
MAXIMUM PEAK STAGE		31.24	Mar 16
ANNUAL RUNOFF (CFSM)	.51	1.10	48.58
ANNUAL RUNOFF (INCHES)	6.99	14.95	19.16
10 PERCENT EXCEEDS	748	4260	4840
50 PERCENT EXCEEDS	125	250	346
90 PERCENT EXCEEDS	47	58	75

e Estimated

02467200 SUCARNOOCHEE RIVER NEAR PORTERVILLE, MS

LOCATION.--Lat 32° 41'53", Long 88° 29'06", in NE 1/4 SE 1/4 sec. 19, T.20 N., R.18E., Choctaw Meridian, Kemper County, Hydrologic Unit 03160202, on right downstream end of the northbound bridge on U.S. Highway 45, 4.9 miles south of Electric Mills, MS.

DRAINAGE AREA.--135 mi².

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1942-77, 1986-88. April, 1996 to current water year.

GAGE.--Water stage recorder. Datum of gage is 175.00 ft above sea level (Mississippi Department of Transportation datum).

REMARKS.--Estimated daily discharges: Dec. 22-23. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of April 13, 1979, reached a stage of approximately 22.10 ft, discharge, 27,800 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	25	44	116	206	468	153	57	324	41	40	165
2	18	25	44	101	165	604	143	56	140	46	66	520
3	17	26	44	89	143	1260	131	54	103	40	39	1240
4	17	26	41	83	129	1540	538	51	132	39	31	1060
5	17	29	41	80	120	1380	1150	50	356	91	29	323
6	21	34	40	77	112	506	781	48	182	62	31	243
7	40	35	40	90	105	329	378	48	193	74	31	186
8	52	41	40	328	100	264	276	48	260	50	32	169
9	27	110	39	279	99	235	223	49	174	42	34	209
10	23	143	38	163	151	259	190	62	168	37	60	207
11	23	68	38	134	168	211	164	54	147	36	92	144
12	24	46	37	156	138	196	142	50	131	35	69	118
13	24	38	37	139	191	418	129	58	100	33	75	100
14	23	36	43	121	179	317	148	57	82	32	68	89
15	23	37	63	119	158	1020	139	48	71	33	72	79
16	22	37	51	114	206	1360	148	44	63	31	49	72
17	23	41	48	134	653	679	130	42	55	29	40	67
18	23	60	48	167	458	342	110	39	49	28	38	64
19	24	63	43	632	267	274	99	39	46	27	44	63
20	23	104	40	1030	209	302	92	38	44	27	44	72
21	24	69	40	700	181	453	86	39	52	28	39	73
22	25	51	e41	304	165	327	83	56	57	38	35	62
23	24	46	e42	226	146	252	77	78	58	32	35	58
24	24	52	41	187	131	213	78	49	51	29	31	53
25	24	198	40	160	126	229	98	43	45	27	31	53
26	25	150	39	140	119	209	82	40	42	27	31	53
27	24	82	86	128	136	175	72	38	41	29	31	49
28	25	63	715	118	387	158	69	37	40	29	30	49
29	24	54	536	133	---	153	64	37	39	28	45	47
30	24	50	216	410	---	160	58	55	40	26	158	45
31	25	---	144	338	---	170	---	306	---	25	210	---
TOTAL	749	1839	2799	6996	5348	14463	6031	1770	3285	1151	1660	5732
MEAN	24.2	61.3	90.3	226	191	467	201	57.1	110	37.1	53.5	191
MAX	52	198	715	1030	653	1540	1150	306	356	91	210	1240
MIN	17	25	37	77	99	153	58	37	39	25	29	45
CFSM	.18	.45	.67	1.67	1.41	3.46	1.49	.42	.81	.28	.40	1.42
IN.	.21	.51	.77	1.93	1.47	3.99	1.66	.49	.91	.32	.46	1.58

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2001, BY WATER YEAR (WY)

	MEAN	49.7	84.2	156	386	320	292	270	86.6	112	70.7	60.6	71.1
MAX	69.5	153	306	823	595	467	362	165	325	151	87.0	191	
(WY)	1997	1998	1998	1998	1997	2001	1997	1997	1997	1997	1996	2001	
MIN	24.2	47.9	72.0	91.0	85.7	112	129	44.8	34.1	25.6	26.8	20.6	
(WY)	2001	2000	2000	2000	2000	2000	1999	2000	2000	2000	2000	2000	

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1996 - 2001

ANNUAL TOTAL	29168	51823	
ANNUAL MEAN	79.7	142	162
HIGHEST ANNUAL MEAN			227
LOWEST ANNUAL MEAN			79.3
HIGHEST DAILY MEAN	2330	Apr 4	1540
LOWEST DAILY MEAN	17	Sep 5	17
ANNUAL SEVEN-DAY MINIMUM	17	Sep 29	21
MAXIMUM PEAK FLOW			1620
MAXIMUM PEAK STAGE			17.45
INSTANTANEOUS LOW FLOW			15
ANNUAL RUNOFF (CFSM)	.59		1.05
ANNUAL RUNOFF (INCHES)	8.04		14.28
10 PERCENT EXCEEDS	130		310
50 PERCENT EXCEEDS	40		63
90 PERCENT EXCEEDS	21		27

e Estimated

PASCAGOULA RIVER BASIN

59

02472000 LEAF RIVER NEAR COLLINS, MS

LOCATION.--Lat 31°42'25", long 89°24'25", in NE1/4 SW1/4 NE1/4 sec.33, T.9 N., R.14 W., St. Stephens Meridian, Covington County, Hydrologic Unit 03170004, on right bank at downstream side of bridge on U.S. Highway 84, 2.0 mi downstream from Oakohay Creek, 10.6 mi upstream from Big Creek, 9.5 mi northeast of Collins, and at mile 114.5.

DRAINAGE AREA.--743 mi².

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

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

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

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

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)
Mar. 4	1430	*21,200	*25.08	Sep. 4	0615	9,590	17.72

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	52	158	1050	2750	3550	800	279	280	307	221	198
2	44	53	138	556	1680	9620	718	256	193	327	357	709
3	43	54	130	428	932	16600	614	236	161	581	452	4950
4	43	54	121	358	740	20900	598	218	163	458	279	8310
5	42	57	115	312	638	20000	2190	202	638	883	210	8610
6	55	63	111	280	568	13500	5050	189	627	850	182	5770
7	91	71	106	265	518	5350	5950	178	1110	535	186	3470
8	89	102	102	545	482	3080	3590	171	1640	354	222	2210
9	70	402	99	842	467	1860	1950	204	1920	287	200	1890
10	61	304	98	1040	1680	1400	1340	279	2730	255	231	1480
11	59	170	95	668	1670	1170	898	241	3270	230	526	1270
12	58	116	91	651	1330	1290	741	194	1740	229	744	739
13	57	95	95	714	939	1870	641	185	781	315	1020	528
14	57	84	137	680	756	2030	570	193	694	419	762	427
15	55	76	158	541	676	4210	549	173	463	369	538	365
16	55	83	164	557	651	4860	637	174	367	294	737	324
17	55	135	250	1130	2510	4670	1310	159	306	240	412	300
18	54	145	231	1780	2820	3110	1180	148	270	210	349	280
19	54	365	187	4280	2270	1680	667	140	246	192	390	264
20	54	595	163	5990	1260	1110	534	136	370	179	738	306
21	54	500	166	6460	857	980	470	137	1050	171	393	350
22	54	368	183	6490	724	884	431	205	937	170	306	271
23	54	242	182	2920	637	811	402	253	495	193	261	255
24	53	209	169	1640	603	727	555	176	363	176	219	234
25	53	346	154	929	610	1070	650	160	310	173	205	214
26	52	385	141	722	542	1420	553	149	262	182	186	198
27	52	522	149	610	533	1300	478	141	238	186	173	185
28	52	336	879	532	567	923	404	144	265	202	162	174
29	51	235	2530	571	---	812	347	143	389	211	172	166
30	52	186	2730	1940	---	787	308	142	294	200	292	160
31	52	---	2050	2980	---	805	---	344	---	200	212	---
TOTAL	1720	6405	12082	48461	30410	132379	35125	5949	22572	9578	11357	44607
MEAN	55.5	214	390	1563	1086	4270	1171	192	752	309	366	1487
MAX	91	595	2730	6490	2820	20900	5950	344	3270	883	1020	8610
MIN	42	52	91	265	467	727	308	136	161	170	162	160
CFSM	.07	.29	.52	2.10	1.46	5.75	1.58	.26	1.01	.42	.49	2.00
IN.	.09	.32	.60	2.43	1.52	6.63	1.76	.30	1.13	.48	.57	2.23

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2001, BY WATER YEAR (WY)

	MEAN	285	581	1124	1836	2306	2329	2116	1069	446	497	330	293
MAX	1660	3674	6085	5792	7841	5649	7455	4750	1609	4373	980	1487	
(WY)	1985	1994	1962	1962	1990	1980	1974	1991	1989	1940	1960	2001	
MIN	55.5	89.7	177	233	192	385	217	119	98.3	64.2	57.9	51.1	
(WY)	2001	1957	1953	1956	2000	1955	1963	2000	2000	2000	2000	2000	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1938 - 2001

ANNUAL TOTAL	108200	360645	
ANNUAL MEAN	296	988	1094
HIGHEST ANNUAL MEAN			2291
LOWEST ANNUAL MEAN			285
HIGHEST DAILY MEAN	6250	Apr 5	51000
LOWEST DAILY MEAN	39	Sep 6	39
ANNUAL SEVEN-DAY MINIMUM	41	Sep 1	41
MAXIMUM PEAK FLOW		21200	54200
MAXIMUM PEAK STAGE		25.08	32.60
INSTANTANEOUS LOW FLOW		41	38
ANNUAL RUNOFF (CFSM)	.40	1.33	1.47
ANNUAL RUNOFF (INCHES)	5.42	18.06	20.01
10 PERCENT EXCEEDS	526	2110	2730
50 PERCENT EXCEEDS	123	344	363
90 PERCENT EXCEEDS	49	74	114

02472500 BOUIE CREEK NEAR HATTIESBURG, MS

LOCATION.--Lat 31°25'33", long 89°24'53", in NW1/4 NW1/4 SW1/4 sec.4, T.5 N., R.14 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170004, on left bank 25 ft downstream from upstream bridge of dual bridges on U.S. Highway 49, 1.0 mi upstream from Okatoma Creek, 2.2 mi southwest of Lux, 10.2 mi northwest of Hattiesburg, and 1.0 mi upstream from mouth.

DRAINAGE AREA.--304 mi².

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

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

GAGE.--Water-stage recorder. Datum of gage is 160.04 ft above sea level (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. Satellite telemeter at station.

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)
Mar. 4	1330	*13,900	*22.70	Sep. 4	2300	8,690	18.71
Mar. 13	0130	6,350	15.82				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	99	94	137	252	424	643	296	136	131	197	974	203
2	99	94	135	208	308	4850	266	134	131	155	487	752
3	99	93	131	184	259	8690	248	133	128	692	321	1810
4	99	93	127	171	234	13200	239	132	132	1840	210	6710
5	99	96	125	164	219	9950	231	130	245	625	186	6770
6	105	104	125	158	208	3890	221	128	534	365	177	1970
7	140	112	125	156	200	1430	212	127	736	251	183	635
8	125	124	125	262	194	761	203	126	1000	225	242	475
9	111	424	125	370	197	559	197	126	1960	195	245	549
10	102	504	124	278	782	473	192	132	1990	175	293	528
11	99	268	123	225	500	417	185	152	2170	163	328	347
12	98	155	121	300	350	2720	177	137	1830	159	1820	256
13	97	129	120	274	275	4490	170	130	2430	220	2990	239
14	96	120	205	228	256	1350	167	128	1640	270	1410	224
15	95	116	205	217	243	2110	164	130	699	207	465	212
16	94	120	192	411	239	1830	174	126	349	172	270	188
17	94	148	228	1320	1020	1100	178	123	243	162	263	178
18	94	176	199	800	573	635	162	120	197	154	256	174
19	94	436	172	1440	398	465	153	119	170	147	242	176
20	94	578	150	2680	290	401	149	119	156	142	258	196
21	94	360	149	1840	251	366	148	118	157	139	253	170
22	95	215	193	1040	232	338	146	118	180	142	215	166
23	95	162	197	514	220	314	145	117	180	146	203	160
24	94	172	173	348	207	294	148	122	150	143	192	157
25	94	344	153	293	202	292	179	123	135	139	181	153
26	94	337	141	260	207	292	210	121	127	164	173	147
27	94	224	137	240	419	280	166	122	124	333	169	147
28	94	170	694	229	482	287	149	121	854	234	186	145
29	94	148	1370	267	---	384	142	126	526	177	204	144
30	94	140	666	1070	---	375	139	124	276	164	229	144
31	94	---	341	764	---	336	---	126	---	158	202	---
TOTAL	3069	6256	7208	16963	9389	63522	5556	3926	19580	8455	13827	24125
MEAN	99.0	209	233	547	335	2049	185	127	653	273	446	804
MAX	140	578	1370	2680	1020	13200	296	152	2430	1840	2990	6770
MIN	94	93	120	156	194	280	139	117	124	139	169	144
CFSM	.33	.69	.76	1.80	1.10	6.74	.61	.42	2.15	.90	1.47	2.65
IN.	.38	.77	.88	2.08	1.15	7.77	.68	.48	2.40	1.03	1.69	2.95

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2001, BY WATER YEAR (WY)

	204	302	490	654	773	830	707	469	272	261	231	233
MEAN	204	302	490	654	773	830	707	469	272	261	231	233
MAX	841	1343	1708	1867	3294	2216	3084	2219	734	1553	660	1082
(WY)	1986	1949	1962	1947	1961	1980	1974	1990	1997	1940	1949	1958
MIN	99.0	108	161	139	153	203	162	125	113	96.4	91.9	99.1
(WY)	2001	1957	2000	1957	2000	1955	1963	2000	2000	2000	2000	1954

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1938 - 2001
ANNUAL TOTAL	64429	181876	
ANNUAL MEAN	176	498	451
HIGHEST ANNUAL MEAN			868
LOWEST ANNUAL MEAN			172
HIGHEST DAILY MEAN	1540	13200	33500
LOWEST DAILY MEAN	84	93	83
ANNUAL SEVEN-DAY MINIMUM	85	94	84
MAXIMUM PEAK FLOW		13900	45500
MAXIMUM PEAK STAGE		22.70	28.18
INSTANTANEOUS LOW FLOW		93	83
ANNUAL RUNOFF (CFSM)	.58	1.64	1.48
ANNUAL RUNOFF (INCHES)	7.88	22.26	20.14
10 PERCENT EXCEEDS	315	902	863
50 PERCENT EXCEEDS	125	194	228
90 PERCENT EXCEEDS	92	114	132

PASCAGOULA RIVER BASIN

61

02472850 OKATOMA CREEK AT SANFORD, MS

LOCATION.--Lat 31°29'21", long 88°26'01", SW1/4 NE1/4 NE1/4 sec.18, T.6 N., R.14 W., St. Stephens Meridian, Covington County, Hydrologic Unit 03170004, near left bank on downstream side of bridge on State Highway 598, 0.3 mi west of Sanford, and 2.6 mi east from intersection of State Highway 598 and U.S. Highway 49, and 5.1 mi upstream from mouth.

DRAINAGE AREA.--257 mi².

PERIOD OF RECORD.--October 1994 to current year, occasional discharge measurements, water years 1965-1969, 1989.

GAGE.--Water-stage recorder. Datum of gage is 183.33 ft above sea level (Mississippi Department of Transportation bench mark).

REMARKS.--Estimated daily discharges: Jan. 4-12 and 17-23. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3000 cfs and maximum (*):

Date	Time	Discharge (ft ³)	Gage Height (ft)	Date	Time	Discharge (ft ³)	Gage Height (ft)
Mar. 4	0945	*11,500	*23.65	Sep. 4	0630	5,660	16.75
Mar. 12	1730	4,960	15.65				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	66	122	296	553	1210	254	98	124	122	391	109
2	64	69	120	221	331	4640	217	98	99	113	193	397
3	61	69	112	190	253	6250	201	99	89	279	132	2790
4	60	72	107	e160	219	10900	194	96	94	362	116	5380
5	59	81	105	e230	200	7220	188	93	262	155	106	1640
6	108	93	104	e330	188	3210	180	90	632	148	98	2240
7	120	99	103	e220	179	1610	168	89	762	132	107	1150
8	101	132	103	e250	175	743	158	91	932	125	146	616
9	90	748	102	e300	278	517	153	101	1330	110	227	335
10	74	434	103	e350	829	429	148	172	1320	104	202	280
11	68	286	101	e340	909	373	141	131	1220	102	525	253
12	66	155	96	e310	544	2620	134	114	517	103	819	208
13	66	127	107	282	343	1610	130	103	277	181	798	178
14	65	113	205	232	296	901	123	100	322	165	675	158
15	63	105	222	241	267	1920	124	96	209	148	780	145
16	63	118	186	438	350	1510	135	92	160	113	318	135
17	64	188	186	e800	780	1090	126	93	138	100	177	130
18	63	224	212	e1600	813	805	117	88	124	95	159	130
19	63	592	158	e1300	768	439	111	85	116	90	145	126
20	62	620	138	e1000	410	365	107	82	111	88	175	126
21	63	426	148	e800	284	338	106	82	114	85	374	120
22	65	209	184	e640	264	316	104	87	152	88	227	114
23	62	159	180	e520	255	287	103	135	126	94	142	109
24	60	201	154	411	217	253	126	121	114	88	121	110
25	59	401	137	309	208	263	328	96	106	94	111	107
26	60	343	128	263	213	316	183	87	101	208	104	103
27	63	212	127	236	397	278	136	86	117	214	103	100
28	62	164	1150	222	440	269	119	85	229	172	103	96
29	64	142	1270	354	---	313	109	85	197	159	102	94
30	65	129	843	1030	---	304	102	87	150	124	101	92
31	65	---	612	786	---	275	---	100	---	193	102	---
TOTAL	2132	6777	7625	14661	10963	51574	4525	3062	10244	4354	7879	19571
MEAN	68.8	226	246	473	392	1664	151	98.8	341	140	254	652
MAX	120	748	1270	1600	909	10900	328	172	1330	362	819	5380
MIN	59	66	96	160	175	253	102	82	89	85	98	92
CFSM	.27	.88	.96	1.84	1.52	6.47	.59	.38	1.33	.55	.99	2.54
IN.	.31	.98	1.10	2.12	1.59	7.47	.65	.44	1.48	.63	1.14	2.83

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2001, BY WATER YEAR (WY)

	1995	1996	1997	1998	1999	2000	2001
MEAN	177	208	327	582	490	871	599
MAX	258	276	598	1520	830	1664	1384
(WY)	2000	1996	1998	1998	1998	2001	1997
MIN	68.8	122	165	300	150	316	151
(WY)	2001	2000	2000	2000	2000	2000	2001

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1995 - 2001

	2000	2001	1995-2001
ANNUAL TOTAL	68172	143367	352
ANNUAL MEAN	186	393	484
HIGHEST ANNUAL MEAN			187
LOWEST ANNUAL MEAN			1998
HIGHEST DAILY MEAN	1940	Apr 4	10900
LOWEST DAILY MEAN	52	Jul 17	52
ANNUAL SEVEN-DAY MINIMUM	55	Jul 13	55
MAXIMUM PEAK FLOW		11500	11500
MAXIMUM PEAK STAGE		23.65	23.65
INSTANTANEOUS LOW FLOW		58	50
ANNUAL RUNOFF (CFSM)	.72	1.53	1.37
ANNUAL RUNOFF (INCHES)	9.87	20.75	18.60
10 PERCENT EXCEEDS	328	799	766
50 PERCENT EXCEEDS	108	153	172
90 PERCENT EXCEEDS	59	85	91

e Estimated

PASCAGOULA RIVER BASIN

02473000 LEAF RIVER AT HATTIESBURG, MS

LOCATION.--Lat 31°20'35", long 89°16'39", in SW1/4 NW1/4 sec.2, T.4 N., R.13 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170005, on right downstream abutment of bridge on U.S. Highway 11, at eastern city limits of Hattiesburg, 150 ft downstream from Boule Creek, 3,200 ft upstream from New Orleans and Northeastern Railroad bridge, and at mile 71.8.

DRAINAGE AREA.--1,748 mi².

PERIOD OF RECORD.--September 1938 to current year. Daily mean gage heights, 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 and crest-stage gage. Datum of gage is 118.23 ft above sea level (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: Jan. 13-15. Records good except for estimated daily discharges, which are poor. Satellite telemeter and National Weather Service telemeter at station.

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)
Mar. 5	1345	*45,600	*25.13	Sep. 5	1030	21,700	18.04
Mar. 13	0515	19,800	17.15				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	283	287	720	3350	4800	2580	2090	790	1040	1150	1350	892
2	281	287	666	2040	3940	15300	1970	746	1050	987	1560	1520
3	277	289	615	1420	2630	25300	1810	712	745	1250	1190	4620
4	272	289	582	1190	1850	37200	1670	685	664	3710	1120	14100
5	270	317	570	1060	1550	44500	1670	657	1090	2660	851	20900
6	321	407	558	965	1380	38000	3450	636	2430	1970	716	15700
7	469	450	549	903	1270	24900	5500	616	3990	1740	746	9860
8	470	500	535	1080	1180	14400	6090	605	4470	1280	978	6090
9	430	1280	525	2000	1140	6190	4050	627	5560	995	910	4670
10	395	1930	520	2160	2400	4330	2720	880	7000	851	1040	3990
11	349	1400	515	2060	3740	3580	2040	910	8970	788	1120	3110
12	329	912	497	1740	3310	8650	1610	809	8560	769	3570	2530
13	322	662	533	e1750	2530	17100	1410	697	7300	1290	5450	1820
14	316	559	785	e1660	1940	7660	1280	639	5250	1550	4260	1450
15	310	495	916	e1590	1690	9010	1200	632	3110	1240	2620	1250
16	307	581	943	1820	1590	10500	1200	598	2030	1030	1910	1110
17	308	684	946	4150	2900	8760	1280	576	1470	846	1670	1030
18	307	785	951	4070	4640	7290	1850	556	1170	738	1250	979
19	307	1630	909	5150	4480	5070	1630	533	1050	675	1050	1040
20	308	2250	781	10700	3560	3590	1200	513	998	632	1250	1310
21	310	2040	761	10400	2280	2920	1050	500	1260	613	1820	1060
22	310	1490	856	9470	1780	2650	978	493	1860	595	1430	1020
23	308	1080	897	8390	1580	2420	920	549	2000	591	1040	879
24	299	965	840	4480	1430	2220	920	714	1430	599	864	834
25	293	1290	750	2990	1350	2100	1180	645	1090	588	782	805
26	291	1520	689	2150	1410	2500	1420	566	932	682	710	753
27	290	1320	658	1810	1580	2810	1210	535	839	1080	706	711
28	291	1240	1610	1600	2070	2590	1030	518	1410	1090	772	681
29	291	972	5310	1650	---	2420	924	533	1680	830	712	657
30	289	808	5250	3640	---	2350	847	519	1450	743	846	636
31	287	---	4530	4860	---	2200	---	523	---	752	952	---
TOTAL	9890	28719	35767	102298	66000	321090	56199	19512	81898	34314	45245	106007
MEAN	319	957	1154	3300	2357	10360	1873	629	2730	1107	1460	3534
MAX	470	2250	5310	10700	4800	44500	6090	910	8970	3710	5450	20900
MIN	270	287	497	903	1140	2100	847	493	664	588	706	636
CFSM	.18	.55	.66	1.89	1.35	5.93	1.07	.36	1.56	.63	.83	2.02
IN.	.21	.61	.76	2.18	1.40	6.83	1.20	.42	1.74	.73	.96	2.26

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2001, BY WATER YEAR (WY)

MEAN	981	1600	2857	4129	4996	5238	4673	2822	1452	1439	1149	1102
MAX	3187	6985	11840	11620	15550	10910	16810	11520	3958	10260	3644	4275
(WY)	1986	1949	1962	1990	1961	1943	1980	1991	1989	1940	1992	1979
MIN	319	456	720	797	656	1221	825	544	451	327	342	321
(WY)	2001	1955	2000	1957	2000	1955	1963	1963	2000	2000	2000	2000

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1938 - 2001

ANNUAL TOTAL	316985	906939	
ANNUAL MEAN	866	2485	
HIGHEST ANNUAL MEAN			2691
LOWEST ANNUAL MEAN			5121
HIGHEST DAILY MEAN	10100	44500	110000
LOWEST DAILY MEAN	247	270	247
ANNUAL SEVEN-DAY MINIMUM	260	288	260
MAXIMUM PEAK FLOW		45600	121000
MAXIMUM PEAK STAGE		25.13	34.03
INSTANTANEOUS LOW FLOW		267	240
ANNUAL RUNOFF (CFSM)	.50	1.42	1.54
ANNUAL RUNOFF (INCHES)	6.75	19.30	20.92
10 PERCENT EXCEEDS	1620	5100	6190
50 PERCENT EXCEEDS	560	1120	1290
90 PERCENT EXCEEDS	288	461	554

e Estimated

PASCAGOULA RIVER BASIN

63

02473000 LEAF RIVER AT HATTIESBURG, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.83	.84	1.73	5.17	6.73	4.28	3.72	1.99	2.42	2.48	2.73	2.07
2	.83	.84	1.63	3.65	5.82	14.41	3.58	1.92	2.44	2.22	3.06	2.93
3	.82	.85	1.54	2.84	4.36	19.34	3.37	1.86	1.92	2.60	2.54	6.47
4	.80	.85	1.48	2.50	3.42	23.07	3.18	1.82	1.76	5.57	2.43	13.74
5	.80	.91	1.45	2.29	3.02	24.89	3.17	1.78	2.46	4.40	2.00	17.69
6	.92	1.11	1.43	2.15	2.78	23.25	5.27	1.74	4.18	3.61	1.76	14.82
7	1.25	1.21	1.41	2.05	2.62	19.21	7.42	1.71	5.94	3.31	1.82	10.89
8	1.25	1.30	1.38	2.32	2.48	13.93	7.97	1.69	6.42	2.68	2.21	7.96
9	1.17	2.63	1.37	3.61	2.42	8.02	5.93	1.74	7.47	2.24	2.10	6.61
10	1.09	3.52	1.35	3.80	4.03	6.24	4.48	2.19	8.73	2.00	2.31	5.91
11	.99	2.80	1.34	3.69	5.61	5.42	3.67	2.24	10.25	1.89	2.42	4.94
12	.94	2.06	1.31	3.28	5.13	9.52	3.12	2.07	9.93	1.86	5.41	4.29
13	.92	1.63	1.37	---	4.25	15.58	2.85	1.87	8.96	2.67	7.38	3.41
14	.91	1.43	1.85	---	3.53	9.22	2.66	1.76	7.14	3.06	6.17	2.92
15	.90	1.30	2.07	---	3.20	10.27	2.56	1.75	4.93	2.62	4.39	2.63
16	.89	1.46	2.11	3.36	3.07	11.40	2.56	1.69	3.68	2.30	3.53	2.42
17	.89	1.67	2.12	6.03	4.64	10.11	2.68	1.65	2.95	1.99	3.22	2.29
18	.89	1.84	2.13	5.96	6.56	8.97	3.47	1.61	2.52	1.80	2.63	2.21
19	.89	3.11	2.06	6.98	6.40	6.98	3.18	1.56	2.32	1.69	2.32	2.30
20	.89	3.92	1.84	11.52	5.41	5.43	2.58	1.52	2.24	1.61	2.62	2.72
21	.90	3.66	1.80	11.34	3.95	4.69	2.37	1.49	2.62	1.57	3.41	2.35
22	.90	2.93	1.97	10.65	3.32	4.39	2.25	1.48	3.46	1.54	2.89	2.27
23	.89	2.34	2.04	9.82	3.06	4.12	2.16	1.59	3.64	1.53	2.30	2.05
24	.87	2.15	1.94	6.38	2.86	3.88	2.17	1.90	2.88	1.55	2.02	1.97
25	.86	2.65	1.79	4.76	2.74	3.74	2.57	1.78	2.38	1.53	1.88	1.92
26	.85	2.97	1.68	3.80	2.82	4.21	2.94	1.63	2.14	1.70	1.75	1.83
27	.85	2.70	1.62	3.37	3.05	4.57	2.64	1.56	1.98	2.37	1.75	1.76
28	.85	2.57	2.98	3.09	3.69	4.32	2.38	1.53	2.83	2.38	1.86	1.70
29	.85	2.16	7.22	3.14	---	4.12	2.20	1.56	3.23	1.96	1.76	1.66
30	.84	1.89	7.17	5.48	---	4.04	2.08	1.53	2.92	1.81	1.99	1.62
31	.84	---	6.44	6.79	---	3.85	---	1.54	---	1.82	2.17	---
MEAN	.92	2.04	2.25	---	3.96	9.53	3.37	1.73	4.22	2.33	2.80	4.61
MAX	1.25	3.92	7.22	---	6.73	24.89	7.97	2.24	10.25	5.57	7.38	17.69
MIN	.80	.84	1.31	---	2.42	3.74	2.08	1.48	1.76	1.53	1.75	1.62

PASCAGOULA RIVER BASIN

02473460 TALLAHALA CREEK AT WALDRUP, MS

LOCATION.--Lat 31°57'58", long 89°06'54", in SW1/4 NW1/4 SW1/4 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 and crest-stage gage. Datum of gage is 290.00 ft above sea level. Prior to October 1979, at datum 290.00 ft lower. October 1979 to September 1980, non-recording gage and crest-stage gage at same site and datum.

REMARKS.--Estimated daily discharge: Oct. 1-6 and Oct. 11 - Nov. 5. Records good except estimated daily discharges, which are poor. Satellite telemeter at station. Statistics shown below are for water years 1980 to the current year, except for instantaneous extremes, which are shown for the entire period of record at the present datum.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 20	1900	2,190	17.86	Sep. 2	2145	*11,500	*21.23
Mar. 3	0815	5,220	19.80				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e1.6	e1.4	3.3	64	164	758	78	16	68	32	32	23
2	e1.7	e1.5	2.8	46	93	2640	63	14	31	20	17	2980
3	e1.6	e1.6	2.8	36	68	5110	60	13	18	14	12	5240
4	e1.5	e1.6	2.7	30	55	3920	859	12	14	7.5	7.9	2380
5	e1.5	e1.5	2.7	27	47	1830	1120	11	143	13	5.7	1150
6	e2.8	1.7	3.0	24	41	495	1870	10	205	29	5.4	239
7	4.1	2.0	3.0	24	37	183	738	10	866	17	5.7	724
8	4.8	3.1	2.8	225	33	133	141	12	453	13	9.4	239
9	2.7	5.2	2.8	249	35	110	94	24	625	11	59	724
10	2.0	8.0	2.9	90	628	98	73	21	931	8.1	45	753
11	e1.8	3.0	3.0	73	574	85	58	15	243	6.5	35	142
12	e1.7	2.9	3.1	219	154	104	47	12	88	8.1	78	74
13	e1.7	2.4	4.0	135	95	366	40	9.9	53	36	41	53
14	e1.6	2.3	7.1	79	76	214	82	9.8	135	98	26	41
15	e1.5	2.5	9.8	75	67	1060	101	8.1	87	30	17	34
16	e1.4	3.5	6.4	100	74	1630	99	7.1	39	16	13	29
17	e1.5	9.2	22	346	857	599	72	6.3	27	11	14	27
18	e1.5	8.3	48	410	1300	150	43	5.4	20	8.5	124	25
19	e1.4	15	18	632	324	108	32	4.8	17	6.4	58	22
20	e1.5	38	13	1730	108	97	28	6.7	16	5.0	33	29
21	e1.5	28	9.6	1400	81	119	25	7.2	19	4.8	66	33
22	e1.5	11	11	234	68	103	23	14	21	4.4	68	27
23	e1.4	5.1	13	109	57	79	21	18	53	4.8	28	20
24	e1.4	5.2	13	82	48	69	107	10	33	4.6	17	18
25	e1.4	52	8.8	66	139	384	166	8.3	21	3.8	13	17
26	e1.4	78	6.1	54	99	274	69	8.4	15	4.2	10	15
27	e1.3	22	5.6	47	58	115	37	7.4	12	6.6	7.9	14
28	e1.4	11	340	42	121	85	26	6.2	11	8.1	6.9	13
29	e1.5	6.2	1000	95	---	89	21	7.4	12	5.1	6.1	12
30	e1.4	4.0	721	868	---	100	18	8.3	16	4.7	6.0	11
31	e1.4	---	117	718	---	99	---	38	---	7.2	7.2	---
TOTAL	55.5	337.2	2408.3	8329	5501	21206	6211	361.3	4292	448.4	874.2	15108
MEAN	1.79	11.2	77.7	269	196	684	207	11.7	143	14.5	28.2	504
MAX	4.8	78	1000	1730	1300	5110	1870	38	931	98	124	5240
MIN	1.3	1.4	2.7	24	33	69	18	4.8	11	3.8	5.4	11
CFSM	.02	.11	.76	2.63	1.93	6.71	2.03	.11	1.40	.14	.28	4.94
IN.	.02	.12	.88	3.04	2.01	7.73	2.27	.13	1.57	.16	.32	5.51

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2001, BY WATER YEAR (WY)

	MEAN	44.5	115	175	335	379	383	281	122	56.8	61.3	29.3	46.9
MAX	294	367	710	1090	1119	880	737	739	221	429	429	165	504
(WY)	1986	1987	1983	1998	1990	1980	1991	1991	1983	1989	1982	2001	
MIN	1.79	6.79	11.4	30.5	14.9	131	35.8	5.97	2.90	2.10	2.76	2.78	
(WY)	2001	1982	2000	1981	2000	1982	1986	2000	1988	2000	2000	2000	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1980 - 2001

ANNUAL TOTAL	17196.4	65131.9	
ANNUAL MEAN	47.0	178	168
HIGHEST ANNUAL MEAN			301
LOWEST ANNUAL MEAN			43.2
HIGHEST DAILY MEAN	2730	Apr 4	10900
LOWEST DAILY MEAN	1.3	Jul 23	1.3
ANNUAL SEVEN-DAY MINIMUM	1.3	Aug 21	1.3
MAXIMUM PEAK FLOW			17900
MAXIMUM PEAK STAGE			21.23
INSTANTANEOUS LOW FLOW			1.7a
ANNUAL RUNOFF (CFSM)	.46	1.75	1.65
ANNUAL RUNOFF (INCHES)	6.27	23.75	22.38
10 PERCENT EXCEEDS	48	394	388
50 PERCENT EXCEEDS	5.6	23	28
90 PERCENT EXCEEDS	1.4	2.5	5.6

e Estimated

a May have been lower during periods of estimated record.

02473500 TALLAHALA CREEK AT LAUREL, MS

LOCATION.--Lat 31°40'51", long 89°06'57", in NW1/4 NE1/4 sec.8, T.8 N., R.11 W., St. Stephens Meridian, Jones County, Hydrologic Unit 03170005, on right bank 45 ft upstream of bridge on State Highway 15, 0.5 mi upstream from Illinois Central and Gulf Railroad bridge, 0.5 mi southeast of city limits of Laurel, 13.1 mi upstream from Tallahoma Creek, and 54.0 mi from mouth.

DRAINAGE AREA.--238 mi².

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

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

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

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

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 Department of Transportation.

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. 4	2300	*8,790	*18.64	Sept. 5	1000	4,960	16.50

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	10	32	671	808	891	288	57	233	35	55	37
2	4.4	11	24	320	818	2220	254	50	209	29	23	808
3	4.4	10	21	181	430	3250	217	44	145	36	18	1620
4	4.4	7.9	20	134	264	6640	190	41	92	42	29	2020
5	4.1	6.6	18	106	207	7790	370	37	133	32	25	4770
6	12	11	17	89	173	5050	676	34	328	28	21	3950
7	5.2	13	15	92	149	3250	813	33	689	22	23	3320
8	2.7	34	13	141	132	2340	924	32	830	21	49	2490
9	3.6	58	12	169	150	1530	1060	32	996	23	81	1660
10	4.1	13	12	389	359	563	776	77	1430	19	135	956
11	4.3	8.5	12	296	472	414	289	66	2080	18	565	821
12	4.6	11	10	204	675	1050	204	53	1820	26	963	772
13	4.8	13	20	231	647	1820	159	41	1110	49	442	390
14	4.4	15	24	306	357	1280	131	35	387	109	246	255
15	3.9	13	27	215	266	1280	117	31	269	148	170	198
16	5.0	17	33	247	275	1250	206	28	303	123	115	162
17	5.6	14	30	406	345	1180	202	26	189	65	77	138
18	5.7	14	32	457	502	1190	186	24	125	42	63	137
19	5.3	69	28	787	707	1250	134	21	93	32	245	118
20	5.0	41	69	949	829	900	102	20	79	26	524	106
21	3.9	64	66	924	710	445	84	20	77	25	337	96
22	3.2	45	50	910	331	390	73	20	82	22	188	89
23	4.6	62	44	975	244	348	66	19	177	19	163	86
24	5.2	72	39	1000	200	292	84	23	121	18	124	88
25	5.3	56	36	470	182	283	81	33	110	18	77	70
26	5.0	45	38	272	304	454	231	29	83	30	55	61
27	4.6	66	40	211	419	596	203	23	109	25	44	54
28	5.0	114	396	176	304	419	118	20	67	23	38	48
29	4.3	62	580	219	---	308	83	22	48	20	33	42
30	9.1	41	671	453	---	291	67	21	40	18	35	37
31	10	---	684	730	---	288	---	144	---	71	35	---
TOTAL	157.0	1017.0	3113	12730	11259	49252	8388	1156	12454	1214	4998	25399
MEAN	5.06	33.9	100	411	402	1589	280	37.3	415	39.2	161	847
MAX	12	114	684	1000	829	7790	1060	144	2080	148	963	4770
MIN	2.7	6.6	10	89	132	283	66	19	40	18	18	37
CFSM	.02	.14	.42	1.73	1.69	6.68	1.17	.16	1.74	.16	.68	3.56
IN.	.02	.16	.49	1.99	1.76	7.70	1.31	.18	1.95	.19	.78	3.97

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2001, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)
1938	61.2	433	1986	3.07	1964
1939	164	1386	1949	6.17	1957
1940	377	1967	1962	30.9	1957
1941	591	2286	1947	29.9	1957
1942	739	2478	1961	53.6	2000
1943	806	1741	1980	86.4	1957
1944	680	2366	1953	53.9	1963
1945	330	1868	1997	15.4	1963
1946	127	604	1988	8.77	1988
1947	127	1604	2000	10.3	2000
1948	76.0	378	1944	9.11	2000
1949	74.4	847	1944	5.69	1954

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1938 - 2001

ANNUAL TOTAL	37415.5	131137.0	
ANNUAL MEAN	102	359	
HIGHEST ANNUAL MEAN			344
LOWEST ANNUAL MEAN			726
HIGHEST DAILY MEAN	2290	Apr 7	18400
LOWEST DAILY MEAN	2.7	Oct 8	1.8
ANNUAL SEVEN-DAY MINIMUM	4.0	Sep 29	2.0
MAXIMUM PEAK FLOW			23300
MAXIMUM PEAK STAGE	18.64	Mar 4	23.28
INSTANTANEOUS LOW FLOW	2.2	Oct 9	1.8
ANNUAL RUNOFF (CFSM)	.43		1.45
ANNUAL RUNOFF (INCHES)	5.85		19.64
10 PERCENT EXCEEDS	218		935
50 PERCENT EXCEEDS	19		94
90 PERCENT EXCEEDS	5.0		14

02474500 TALLAHALA CREEK NEAR RUNNELSTOWN, MS

LOCATION.--Lat 31°19'58", long 89°06'44", in SE1/4 SE1/4 SE1/4 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 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 sea level. Prior to Oct. 1, 1971, at datum 5.00 ft higher.

REMARKS.--Estimated daily discharges: Sept.25-30. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since about 1865, 30 1/2 ft in April 1900, flood in December 1919 reached a stage of 26 1/2 ft, and flood in about 1865 reached a stage between 26 1/2 ft and 30 1/2 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)
Mar. 7	0945	*13,900	*23.50	Sep. 7	2230	5,070	15.20
Mar. 13	0345	6,870	17.48				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	24	152	1350	1650	1010	760	214	335	229	536	269
2	27	24	123	1180	1650	5130	714	193	689	198	375	381
3	26	26	101	670	1470	7510	646	178	468	185	191	1970
4	24	26	87	447	913	9470	586	164	322	231	152	3080
5	24	28	77	360	665	10500	533	149	296	251	190	3610
6	32	34	75	305	564	12400	661	138	564	211	160	4100
7	53	40	71	267	497	13600	1120	128	1320	177	308	4910
8	67	39	69	301	448	11300	1380	131	1870	156	332	4930
9	47	129	67	508	418	7900	1630	125	2290	138	233	4370
10	34	318	64	494	659	5130	1800	120	2720	136	278	3140
11	29	146	61	676	1240	2120	1200	179	3930	137	564	1710
12	28	73	58	657	1150	3370	629	177	4560	134	1840	1280
13	28	55	58	536	1350	6700	490	152	4290	202	1890	1070
14	27	59	111	512	1160	6050	418	130	2620	402	1120	681
15	27	58	175	580	772	5930	371	115	1030	291	685	450
16	27	61	148	556	628	4790	349	106	758	291	497	355
17	27	84	177	1250	897	3810	381	99	651	277	396	298
18	26	105	190	1300	1040	3140	412	94	474	206	341	262
19	26	162	148	1270	1090	2820	388	89	376	163	291	248
20	28	407	155	2340	1350	2600	341	84	363	140	739	261
21	28	243	170	2290	1380	1890	295	78	313	125	1410	255
22	27	179	225	1980	1040	1280	265	75	405	119	957	222
23	26	217	229	1850	629	1110	242	74	590	128	575	209
24	24	217	183	1890	501	980	232	76	641	107	456	193
25	23	288	159	1780	504	886	272	77	454	98	400	e235
26	22	293	145	986	446	871	281	93	346	105	314	e222
27	24	197	134	683	625	1090	391	97	277	172	262	e203
28	24	201	343	582	849	1230	407	88	622	207	235	e187
29	24	249	1780	560	---	1020	309	92	489	147	224	e175
30	24	206	1570	1360	---	864	249	93	289	121	253	e155
31	24	---	1440	1600	---	810	---	98	---	406	275	---
TOTAL	905	4188	8545	31120	25585	137311	17752	3706	34352	5890	16479	39431
MEAN	29.2	140	276	1004	914	4429	592	120	1145	190	532	1314
MAX	67	407	1780	2340	1650	13600	1800	214	4560	406	1890	4930
MIN	22	24	58	267	418	810	232	74	277	98	152	155
CFSM	.05	.23	.45	1.64	1.49	7.24	.97	.20	1.87	.31	.87	2.15
IN.	.06	.25	.52	1.89	1.56	8.35	1.08	.23	2.09	.36	1.00	2.40

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2001, BY WATER YEAR (WY)

MEAN	219	465	1012	1536	1862	2030	1742	978	395	421	266	264
MAX	936	2635	4400	5061	5750	4429	6595	4728	1578	4294	933	1314
(WY)	1958	1949	1962	1998	1961	2001	1980	1991	1997	1940	1944	2001
MIN	29.2	39.4	97.1	131	197	343	162	77.1	61.8	37.6	44.6	34.3
(WY)	2001	1964	1955	1957	2000	1957	1963	1963	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1940 - 2001
ANNUAL TOTAL	99733	325264	
ANNUAL MEAN	272	891	924
HIGHEST ANNUAL MEAN			1949
LOWEST ANNUAL MEAN			279
HIGHEST DAILY MEAN	3370	Apr 8	29600
LOWEST DAILY MEAN	22	Oct 26	22
ANNUAL SEVEN-DAY MINIMUM	24	Oct 24	24
MAXIMUM PEAK FLOW		13900	32800
MAXIMUM PEAK STAGE		23.50	30.07
INSTANTANEOUS LOW FLOW		22	22
ANNUAL RUNOFF (CFSM)	.45	1.46	1.51
ANNUAL RUNOFF (INCHES)	6.06	19.77	20.51
10 PERCENT EXCEEDS	552	1920	2570
50 PERCENT EXCEEDS	83	296	356
90 PERCENT EXCEEDS	28	44	75

e Estimated

02474560 LEAF RIVER NEAR NEW AUGUSTA, MS

LOCATION.--Lat 31°13'18", long 89°03'02", in NE1/4 SW1/4 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. Daily mean gage heights published since December 1983.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 72.00 ft above sea level.

REMARKS.--Estimated daily discharges: Dec. 14. Records good except for estimated daily discharges, which are poor. Telemeter and satellite telemeter at station.

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.--Peak discharges greater than base of 17,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Mar. 6	2215	*52,000	*28.66	Jun. 12	0615	18,900	18.23
Mar. 14	0745	21,700	19.97	Sep. 7	0015	19,600	18.74

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	376	371	1120	5330	6620	3390	3250	1260	986	1820	2000	1310
2	373	374	1010	4090	6180	9650	3080	1180	1980	1470	2200	1340
3	367	379	941	2810	4990	20400	2880	1130	1580	1370	1590	3900
4	365	382	883	2170	3520	30600	2660	1090	1240	2500	1420	9730
5	361	408	847	1900	2750	41600	2490	1050	1320	3910	1240	16000
6	396	468	831	1730	2440	49000	3050	1020	2060	2350	1100	19000
7	487	589	818	1610	2230	48500	5700	986	4860	2190	1040	18600
8	541	528	803	1580	2070	39300	7090	968	5650	1820	1380	14700
9	521	943	789	2180	1970	26100	6550	986	6820	1440	1330	11600
10	483	1700	778	2740	2450	15200	4920	1220	8910	1230	1220	8650
11	446	1830	767	2960	4670	7890	3970	1330	13400	1130	1490	5800
12	417	1270	754	2770	4870	7660	2800	1280	18000	1080	3910	4420
13	403	915	746	2580	4460	17600	2340	1140	14200	1320	6800	3640
14	398	759	e1000	2450	3660	20400	2110	1020	11600	2060	6320	2780
15	393	686	1130	2480	2980	16500	1930	966	6120	1790	4020	2270
16	387	682	1230	2450	2610	16400	1930	937	3960	1560	2790	1990
17	383	961	1280	4570	2990	15100	1840	895	3050	1370	2250	1790
18	381	920	1260	5930	5290	12200	2160	872	2430	1170	1990	1670
19	378	1600	1250	5490	5670	9520	2420	844	2020	1020	1570	1620
20	380	2330	1140	9670	5410	7150	1960	816	1930	933	1590	1930
21	383	2440	1090	12000	4440	5690	1670	794	1750	879	2670	1740
22	384	1950	1200	11200	3470	4570	1530	782	2330	876	2650	1570
23	382	1570	1250	10800	2730	4100	1430	772	2730	832	1860	1430
24	382	1440	1220	8260	2380	3740	1450	863	2580	812	1440	1320
25	377	1610	1110	5750	2310	3530	1550	942	2030	800	1270	1270
26	373	1820	1030	4070	2240	3520	1880	873	1670	855	1120	1220
27	375	1750	981	3140	2360	4030	1850	834	1470	1050	1000	1130
28	376	1570	1290	2760	3150	4290	1790	804	1540	1470	1150	1080
29	377	1480	4930	2590	---	4010	1540	808	2520	1200	1010	1030
30	377	1280	6950	4260	---	3660	1370	802	2060	1010	1130	991
31	375	---	6210	6360	---	3450	---	841	---	1000	1320	---
TOTAL	12397	35005	46638	138680	100910	458750	81190	30105	132796	44317	63870	145521
MEAN	400	1167	1504	4474	3604	14800	2706	971	4427	1430	2060	4851
MAX	541	2440	6950	12000	6620	49000	7090	1330	18000	3910	6800	19000
MIN	361	371	746	1580	1970	3390	1370	772	986	800	1000	991
CFSM	.16	.46	.59	1.76	1.42	5.82	1.06	.38	1.74	.56	.81	1.91
IN.	.18	.51	.68	2.03	1.48	6.71	1.19	.44	1.94	.65	.93	2.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2001, BY WATER YEAR (WY)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	1483	2593	3299	6725	6921	7512	4821	3978	2497	2010	1475	1404						
MAX	3904	6466	7355	16280	21510	14800	9662	18250	6190	6709	2516	4851						
(WY)	1985	1994	1987	1998	1990	2001	1991	1991	1997	1993	1985	2001						
MIN	400	676	1026	2037	974	2179	1624	695	526	439	442	413						
(WY)	2001	2000	2000	2000	2000	2000	1986	2000	2000	2000	2000	2000						

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1984 - 2001

	2000	2001	1984-2001
ANNUAL TOTAL	435255	1290179	
ANNUAL MEAN	1189	3535	
HIGHEST ANNUAL MEAN			7335
LOWEST ANNUAL MEAN			6332
HIGHEST DAILY MEAN	11600	Apr 6	1195
LOWEST DAILY MEAN	360	Aug 23	1195
ANNUAL SEVEN-DAY MINIMUM	366	Aug 20	1195
MAXIMUM PEAK FLOW			74000
MAXIMUM PEAK STAGE			360
INSTANTANEOUS LOW FLOW			366
ANNUAL RUNOFF (CFSM)	.47		74700
ANNUAL RUNOFF (INCHES)	6.37		30.71
10 PERCENT EXCEEDS	2270		353
50 PERCENT EXCEEDS	726		1.47
90 PERCENT EXCEEDS	382		19.96

e Estimated

PASCAGOULA RIVER BASIN

02474560 LEAF RIVER NEAR NEW AUGUSTA, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.30	1.29	2.38	7.08	8.30	5.09	5.92	3.31	2.86	4.14	4.37	3.39
2	1.30	1.30	2.21	5.83	7.90	11.06	5.72	3.19	4.35	3.63	4.64	3.43
3	1.28	1.31	2.09	4.40	6.75	19.19	5.49	3.11	3.79	3.48	3.80	6.56
4	1.28	1.32	1.99	3.60	5.21	23.96	5.22	3.04	3.27	4.98	3.55	11.72
5	1.27	1.36	1.93	3.24	4.33	26.71	5.01	2.98	3.41	6.63	3.29	16.14
6	1.35	1.48	1.90	3.00	3.94	28.21	5.67	2.92	4.43	4.83	3.06	18.32
7	1.55	1.72	1.88	2.84	3.68	27.96	8.44	2.87	7.62	4.63	2.96	18.05
8	1.66	1.59	1.85	2.80	3.47	26.09	9.71	2.84	8.39	4.13	3.49	15.28
9	1.62	2.33	1.82	3.60	3.34	22.11	9.23	2.87	9.47	3.59	3.42	13.09
10	1.54	3.49	1.80	4.32	3.95	15.59	7.69	3.25	11.17	3.27	3.26	10.96
11	1.46	3.68	1.78	4.58	6.43	10.09	6.71	3.42	14.39	3.11	3.65	8.52
12	1.40	2.84	1.76	4.35	6.63	9.92	5.38	3.35	17.57	3.02	6.54	7.18
13	1.37	2.25	1.75	4.12	6.23	17.26	4.83	3.12	14.92	3.40	9.46	6.35
14	1.36	1.96	---	3.96	5.38	19.19	4.53	2.93	13.09	4.45	9.02	5.36
15	1.34	1.81	2.40	4.00	4.61	16.50	4.29	2.84	8.81	4.10	6.75	4.72
16	1.33	1.79	2.56	3.96	4.16	16.48	4.28	2.79	6.69	3.76	5.38	4.36
17	1.32	2.28	2.65	6.30	4.60	15.54	4.15	2.71	5.68	3.48	4.71	4.10
18	1.32	2.20	2.61	7.66	7.04	13.51	4.59	2.67	4.93	3.16	4.36	3.92
19	1.31	3.23	2.59	7.24	7.42	11.63	4.92	2.62	4.40	2.93	3.79	3.85
20	1.31	4.22	2.43	11.00	7.17	9.76	4.33	2.57	4.28	2.78	3.81	4.28
21	1.32	4.35	2.34	13.04	6.20	8.43	3.92	2.53	4.04	2.68	5.23	4.02
22	1.32	3.69	2.51	12.34	5.16	7.34	3.71	2.51	4.80	2.68	5.20	3.79
23	1.32	3.15	2.60	11.98	4.30	6.85	3.57	2.49	5.30	2.60	4.19	3.57
24	1.32	2.95	2.54	9.74	3.87	6.47	3.61	2.66	5.12	2.56	3.59	3.40
25	1.31	3.20	2.38	7.49	3.79	6.23	3.75	2.79	4.42	2.54	3.32	3.33
26	1.30	3.47	2.24	5.81	3.69	6.22	4.21	2.67	3.93	2.64	3.09	3.25
27	1.30	3.36	2.16	4.79	3.84	6.78	4.17	2.60	3.63	2.97	2.90	3.11
28	1.30	3.09	2.59	4.34	4.80	7.05	4.09	2.55	3.72	3.63	3.14	3.02
29	1.31	2.94	6.69	4.13	---	6.76	3.73	2.56	5.05	3.21	2.92	2.94
30	1.31	2.65	8.60	5.98	---	6.37	3.48	2.55	4.46	2.92	3.10	2.88
31	1.30	---	7.92	8.06	---	6.14	---	2.61	---	2.89	3.40	---
MEAN	1.36	2.54	---	5.99	5.22	13.56	5.14	2.84	6.60	3.51	4.30	6.76
MAX	1.66	4.35	---	13.04	8.30	28.21	9.71	3.42	17.57	6.63	9.46	18.32
MIN	1.27	1.29	---	2.80	3.34	5.09	3.48	2.49	2.86	2.54	2.90	2.88

02474600 BOGUE HOMO NEAR RICHTON, MS

LOCATION.--Lat 31°24'13", long 89°01'18", in NW1/4 NE1/4 NW1/4 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.

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

GAGE.--Water-stage recorder. Elevation of gage is 117 ft above sea level, from topographic map.

REMARKS.--Estimated daily discharges: Apr. 11-17. Records good except estimated daily discharges, which are poor. Flow slightly regulated by Lake Bogue Homo, 36 mi upstream. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood prior to January 1941, reached a stage of 26 1/2 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)
Mar. 4	1830	*13,700	*23.60	Mar. 13	1700	5,290	13.31

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	3.3	18	260	726	659	244	42	102	363	80	74
2	3.9	3.4	15	210	673	3840	219	35	37	124	108	99
3	3.6	3.5	12	179	653	6920	189	32	23	95	107	369
4	3.5	3.5	11	129	456	12000	161	28	31	115	110	1010
5	3.5	4.2	9.7	94	241	11400	144	25	60	96	79	1130
6	12	7.1	9.6	80	178	6760	138	23	76	87	68	1560
7	10	10	9.0	73	153	3600	153	25	342	68	108	2250
8	8.9	7.0	8.6	75	133	2400	157	22	459	55	119	2190
9	7.7	19	8.2	108	124	1750	144	20	653	45	78	1900
10	6.5	20	7.6	187	157	1240	123	19	1160	39	105	1730
11	6.1	23	7.8	184	362	665	e111	19	1650	34	250	1280
12	6.0	18	7.1	164	427	1610	e97	17	1980	34	970	1030
13	5.5	17	9.5	167	447	4650	e86	16	1710	46	1500	641
14	5.1	14	35	160	401	5100	e76	16	1530	43	1530	283
15	5.3	11	47	145	285	4720	e68	14	1480	53	1800	174
16	4.8	15	48	168	234	4200	e64	13	1130	51	1690	118
17	4.3	22	50	559	382	2880	e61	13	449	53	1350	96
18	3.9	24	45	606	431	2050	66	14	161	48	905	83
19	4.4	52	48	635	469	1600	68	13	106	41	437	74
20	3.8	68	39	877	496	1340	61	12	81	36	369	66
21	4.1	60	37	810	428	910	48	11	69	32	556	58
22	4.0	49	41	734	271	485	40	11	75	29	560	55
23	3.9	30	44	706	198	368	37	10	82	27	476	52
24	3.6	41	46	693	167	310	44	10	121	26	292	47
25	3.4	57	42	473	414	267	46	11	139	25	169	44
26	3.6	60	34	239	245	245	40	9.8	106	26	121	55
27	3.4	59	30	179	207	273	69	12	73	27	106	67
28	3.4	43	90	146	298	306	83	10	346	27	89	49
29	3.6	30	463	161	---	303	63	11	1020	28	77	38
30	3.5	23	576	726	---	276	51	11	971	27	70	32
31	3.4	---	497	871	---	260	---	19	---	36	74	---
TOTAL	152.7	797.0	2345.1	10798	9656	83387	2951	543.8	16222	1836	14353	16654
MEAN	4.93	26.6	75.6	348	345	2690	98.4	17.5	541	59.2	463	555
MAX	12	68	576	877	726	12000	244	42	1980	363	1800	2250
MIN	3.4	3.3	7.1	73	124	245	37	9.8	23	25	68	32
MED	4.0	21	35	184	330	1600	72	14	150	41	121	98
CFSM	.01	.08	.22	1.01	1.00	7.82	.29	.05	1.57	.17	1.35	1.61
IN.	.02	.09	.25	1.17	1.04	9.02	.32	.06	1.75	.20	1.55	1.80

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2001, BY WATER YEAR (WY)

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	133	240	573	1034	1001	1105	889	518	200	135	94.8	161																			
MAX	881	1284	2118	2848	2545	2690	2799	2359	877	682	537	1115																			
(WY)	1976	1987	1974	1998	1990	2001	1980	1991	1997	1989	1975	1974																			
MIN	4.93	12.8	26.0	87.5	59.3	295	93.7	17.5	11.4	6.51	6.71	4.78																			
(WY)	2001	1982	1988	1981	2000	1986	1986	2001	2000	2000	2000	2000																			

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1971 - 2001

	2000 CALENDAR YEAR	2001 WATER YEAR	WATER YEARS 1971 - 2001
ANNUAL TOTAL	37278.2	159695.6	
ANNUAL MEAN	102	438	505
HIGHEST ANNUAL MEAN			911
LOWEST ANNUAL MEAN			102
HIGHEST DAILY MEAN	1670	12000	19900
LOWEST DAILY MEAN	3.3	3.3	3.3
ANNUAL SEVEN-DAY MINIMUM	3.4	3.4	3.4
MAXIMUM PEAK FLOW		13700	21900
MAXIMUM PEAK STAGE		23.60	27.63
INSTANTANEOUS LOW FLOW		3.3	3.3
ANNUAL RUNOFF (CFSM)	.30	1.27	1.47
ANNUAL RUNOFF (INCHES)	4.03	17.27	19.93
10 PERCENT EXCEEDS	270	1130	1400
50 PERCENT EXCEEDS	15	75	143
90 PERCENT EXCEEDS	4.1	7.7	17

e Estimated

a Also occurred Oct. 27,28,30,31 and Nov. 1,2,3,4.

LOCATION.--Lat 31°06'10", long 88°48'21", in NE1/4 SE1/4 sec.29, T.2 N., R.8 W., St. Stephens Meridian, Greene County, Hydrologic Unit 03170005, on downstream side of right main pier of bridge on U.S. Highway 98, 1.2 mi east of McLain, 1.8 mi downstream from Atkinson Creek, 5.5 mi upstream from Big Oktibebe Creek, and 14.6 mi upstream from confluence with Chickasawhay River.

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

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	427	404	1300	7130	8690	5770	4260	1510	1080	3590	2990	2540
2	422	401	1130	5670	8310	8690	3900	1400	1580	2510	2940	2200
3	417	402	1020	4130	7260	23500	3580	1330	2090	1950	2770	3920
4	408	402	936	2910	5640	41600	3250	1280	1580	2030	2090	9120
5	409	419	872	2330	4020	54900	2950	1230	1430	4430	1880	15100
6	435	466	837	1960	3170	61400	2800	1190	1700	3740	1630	19800
7	516	585	817	1750	2720	64400	4820	1170	3900	2780	1540	23500
8	577	659	797	1650	2440	61600	7410	1140	6640	2490	1620	24800
9	633	645	777	1770	2250	54300	8360	1140	7850	2060	2530	23400
10	598	1240	754	2680	2420	43700	6640	1220	9830	1690	1830	19700
11	565	1980	737	3060	4170	28200	5220	1480	17300	1540	1880	15000
12	519	1730	709	3250	5950	17700	3740	1490	26800	1480	4130	9620
13	487	1240	706	2930	5660	22100	2750	1380	27600	1550	9160	7130
14	470	928	863	2780	5090	26700	2430	1230	24100	2030	10500	5200
15	464	785	1170	2720	4170	31400	2160	1130	18100	2430	9240	3660
16	455	732	1310	2790	3420	31100	2080	1090	10100	2030	7420	2940
17	449	866	1420	4690	3140	29000	1990	1050	6460	1790	6390	2530
18	442	1040	1500	7610	4980	25900	2000	1010	4370	1570	4910	2270
19	439	1460	1440	7410	6800	21600	2470	983	3210	1360	3420	2290
20	442	2440	1380	9350	6870	16300	2370	953	2980	1220	2680	2500
21	439	2820	1270	13900	6330	11700	1930	920	2750	1130	3020	2520
22	438	2520	1330	15200	5150	8340	1700	886	2900	1090	4210	2140
23	436	1970	1450	14300	3830	6410	1580	872	3470	1060	3450	1960
24	428	1740	1430	13100	3060	5510	1540	873	3610	1010	2620	1770
25	425	2660	1330	8860	4550	5050	1750	994	3050	988	2080	1640
26	417	2220	1200	6130	6180	4680	1860	1010	2510	1000	1750	1570
27	411	2150	1080	4120	4160	4760	2090	941	2160	1120	1500	1480
28	409	1860	1130	3320	5040	5340	2050	912	1900	1490	1680	1410
29	409	1690	3060	2950	---	5670	1900	894	3090	1690	1670	1340
30	411	1520	7750	4690	---	5100	1660	908	4030	1320	1510	1260
31	409	---	8060	7810	---	4640	---	940	---	1320	1780	---
TOTAL	14206	39974	49565	172950	135470	737060	93240	34556	208170	57488	106820	214310
MEAN	458	1332	1599	5579	4838	23780	3108	1115	6939	1854	3446	7144
MAX	633	2820	8060	15200	8690	64400	8360	1510	27600	4430	10500	24800
MIN	40											

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2001, BY WATER YEAR (WY)

MEAN	1726	2876	5744	8296	10110	11020	9572	5902	2826	2777	2091	2134
MAX	6282	13580	25930	23680	30530	24300	39220	25390	9260	19680	5920	7901
(WY)	1976	1949	1962	1998	1961	1948	1980	1991	1959	1940	1949	1979
MIN	458	604	879	1343	1255	2362	1461	871	703	546	543	470
(WY)	2001	1964	1955	1956	2000	1955	1963	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1940 - 2001
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ANNUAL TOTAL	536499		1863809			
ANNUAL MEAN	1466		5106		5400	
HIGHEST ANNUAL MEAN					11060	1949
LOWEST ANNUAL MEAN					1514	2000
HIGHEST DAILY MEAN	13500	Apr 7	64400	Mar 7	126000	Feb 26 1961
LOWEST DAILY MEAN	401	Nov 2	401	Nov 2	401	Nov 2 2000
ANNUAL SEVEN-DAY MINIMUM	405	Oct 29	405	Oct 29	405	Oct 29 2000
MAXIMUM PEAK FLOW			65400	Mar 7	128000	Feb 26 1961
MAXIMUM PEAK STAGE			25.85	Mar 7	31.64	Feb 26 1961
INSTANTANEOUS LOW FLOW			397	Nov 3,4	397	Nov 3 2000
ANNUAL RUNOFF (CFSM)	.42		1.46		1.54	
ANNUAL RUNOFF (INCHES)	5.71		19.84		20.99	
10 PERCENT EXCEEDS	3020		10300		13500	
50 PERCENT EXCEEDS	818		2090		2530	
90 PERCENT EXCEEDS	430		593		912	

LOCATION.--Lat 32°19'34", long 88°54'33", in NW1/4 NE1/4 NW1/4 sec.31, 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.

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

REMARKS.--Estimated daily discharges: May 8-9. Records fair except for estimated daily discharges, which are poor. Satellite telemeter and National Weather Service telemeter at station.

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. 4	0930	*8,120	*15.68	Apr. 7	0030	5,750	12.75

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	2.6	119	298	732	980	317	98	82	44	29	632
2	1.7	2.8	103	279	450	2370	272	91	75	48	33	1180
3	1.8	2.7	90	260	365	4160	242	82	68	41	28	2500
4	1.7	2.6	77	233	314	7690	359	75	80	37	32	2590
5	1.6	2.7	68	222	284	5970	2250	69	494	34	57	2090
6	2.1	2.9	60	244	261	3420	4270	66	703	40	83	955
7	3.0	3.8	53	239	243	964	4870	64	438	40	43	620
8	6.5	5.4	47	242	228	579	1920	e62	579	35	34	470
9	10	39	41	279	225	484	677	e100	898	56	40	965
10	8.1	148	36	299	408	520	498	110	844	41	125	1500
11	6.4	196	34	293	561	478	409	224	575	31	229	1220
12	5.4	143	37	288	384	463	334	152	348	30	398	424
13	4.3	98	41	291	326	890	288	127	238	32	320	285
14	4.1	75	48	290	316	679	280	130	180	51	347	221
15	3.9	60	57	286	300	1960	708	98	139	45	188	180
16	3.6	51	66	282	349	2760	1330	77	113	38	124	152
17	3.2	47	73	291	1360	2400	1190	65	94	31	87	135
18	3.1	49	74	333	1360	988	540	56	79	26	129	120
19	3.0	64	73	643	676	536	300	49	73	22	78	115
20	2.7	165	71	2310	469	461	245	47	69	21	58	178
21	2.9	226	71	2340	400	523	202	44	62	24	143	228
22	3.1	175	70	1500	443	490	178	70	61	35	100	155
23	3.1	133	70	581	466	391	157	175	85	74	65	117
24	2.9	114	70	448	371	337	168	113	99	86	55	99
25	2.7	126	69	379	321	442	273	89	78	50	43	94
26	2.6	207	68	324	297	516	242	77	61	38	36	88
27	2.4	216	68	290	276	377	177	141	52	31	32	79
28	2.2	184	85	266	464	304	142	443	47	29	82	71
29	2.2	158	197	315	---	285	121	210	46	27	133	65
30	2.3	137	195	1170	---	301	106	122	43	25	154	59
31	2.4	---	326	1400	---	339	---	94	---	24	748	---
TOTAL	106.9	2836.5	2677	16915	12649	43057	23065	3420	6847	1186	4053	17587
MEAN	3.45	94.6	86.4	546	452	1389	769	110	228	38.3	131	586
MAX	10	226	326	2340	1360	7690	4870	443	898	86	748	2590
MIN	1.6	2.6	34	222	225	285	106	44	43	21	28	59
CFSM	.01	.26	.23	1.48	1.22	3.76	2.08	.30	.62	.10	.35	1.59
IN.	.01	.29	.27	1.71	1.28	4.34	2.33	.34	.69	.12	.41	1.71

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2001, BY WATER YEAR (WY)

MEAN	95.7	269	527	859	1068	1123	959	447	192	212	118	95.5
MAX	589	1854	2741	2608	3449	2890	2850	2072	617	1671	725	751
(WY)	1978	1949	1962	1998	1990	1980	1979	1991	1983	1940	1975	1979
MIN	3.45	16.8	74.0	143	83.0	185	113	41.5	18.3	6.48	9.21	3.08
(WY)	2001	1964	1939	1956	2000	1955	1967	1963	1988	2000	2000	1954

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1938 - 2001
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ANNUAL TOTAL	43746.29			134399.4					
ANNUAL MEAN	120			368			494		
HIGHEST ANNUAL MEAN							1028		1983
LOWEST ANNUAL MEAN							118		2000
HIGHEST DAILY MEAN	3960	Apr	5	7690	Mar	4	26400	Mar	4 1979
LOWEST DAILY MEAN	.99	Sep	11	1.6	Oct	5	.99	Sep	11 2000
ANNUAL SEVEN-DAY MINIMUM	1.1	Sep	5	2.0	Oct	1	1.1	Sep	5 2000
MAXIMUM PEAK FLOW				8120	Mar	4	40900	Mar	4 1979
MAXIMUM PEAK STAGE				15.68	Mar	4	26.64	Mar	4 1979
INSTANTANEOUS LOW FLOW				1.5	Oct	6	.99	Sep	9 2000
ANNUAL RUNOFF (CFSM)	.32			1.00			1.34		
ANNUAL RUNOFF (INCHES)	4.41			13.55			18.19		
10 PERCENT EXCEEDS	258			738			1240		
50 PERCENT EXCEEDS	47			126			156		
90 PERCENT EXCEEDS	2.6			6.5			24		

e Estimated

02476600 OKATIBBEE CREEK AT ARUNDEL, MS

LOCATION.--Lat 32°15'54", long 88°45'13", in SE1/4 SE1/4 SW1/4 sec.3, T.5 N., R.15 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03170001, on right bank, about 500 ft downstream from Hognose Creek, about 200 ft upstream from bridge on county road, 0.6 mi southeast of Arundel, and at mi 16.3.

DRAINAGE AREA.--342 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 259.04 ft above sea level (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. Telemeter, satellite telemeter, and U.S. Army Corps of Engineers radio telemeter at station.

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).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	73	42	89	345	727	311	136	218	126	85	297
2	28	71	43	77	262	2120	282	135	156	129	84	1730
3	30	70	39	79	224	3870	285	131	147	131	81	2190
4	46	71	38	101	203	4040	1210	136	308	129	76	1180
5	47	72	38	98	189	2200	3970	133	958	134	83	1050
6	153	72	38	95	178	1210	3740	130	356	325	88	1090
7	80	81	39	140	167	1180	1850	127	582	186	90	1210
8	55	141	40	349	158	1240	1180	124	758	147	86	1100
9	53	135	38	197	202	1160	1300	141	817	123	80	1250
10	54	55	36	167	578	1120	1310	273	937	104	141	905
11	51	40	37	233	326	1050	1260	184	689	100	674	885
12	39	37	36	221	239	818	1220	181	372	93	335	998
13	38	36	47	187	224	917	1010	187	250	96	253	983
14	38	35	111	185	216	901	850	143	207	89	163	964
15	38	35	58	213	204	2440	1030	132	183	86	122	944
16	37	98	85	215	572	1660	961	125	169	85	106	932
17	38	83	141	328	1270	1160	618	119	149	82	109	918
18	37	111	70	297	566	1250	408	114	137	80	168	581
19	38	552	61	1550	350	1180	298	110	129	78	108	555
20	39	138	51	1570	284	1030	233	115	148	78	108	752
21	39	66	63	665	261	1150	198	106	231	135	150	670
22	38	52	62	577	461	1140	181	130	628	119	132	632
23	39	46	53	740	373	1110	175	116	408	88	123	615
24	51	176	48	773	277	1010	376	108	211	81	117	500
25	117	212	45	745	285	993	269	179	167	80	115	322
26	122	93	43	718	247	896	212	130	152	102	112	303
27	122	64	225	510	258	691	188	237	137	98	137	294
28	122	52	700	438	660	545	170	152	129	87	274	287
29	123	47	387	727	---	393	161	175	124	94	196	284
30	124	44	165	1360	---	383	146	132	128	113	832	187
31	105	---	112	639	---	342	---	192	---	85	913	---
TOTAL	1969	2858	2991	14283	9579	39926	25402	4533	9985	3483	6141	24608
MEAN	63.5	95.3	96.5	461	342	1288	847	146	333	112	198	820
MAX	153	552	700	1570	1270	4040	3970	273	958	325	913	2190
MIN	28	35	36	77	158	342	146	106	124	78	76	187
CFSM	.19	.28	.28	1.35	1.00	3.77	2.48	.43	.97	.33	.58	2.40
IN.	.21	.31	.33	1.55	1.04	4.34	2.76	.49	1.09	.38	.67	2.68

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2001, BY WATER YEAR (WY)

	MEAN	129	289	517	801	993	1081	927	517	271	222	163	176
MAX	429	942	1569	2314	3160	2295	2359	1977	1275	1003	408	820	
(WY)	1971	1993	1983	1998	1990	1979	1980	1991	1983	1989	1975	2001	
MIN	31.2	33.4	82.0	118	86.0	145	124	84.6	42.8	52.3	37.4	47.3	
(WY)	1970	1979	1988	1988	2000	2000	1986	1999	1970	2000	2000	2000	

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1969 - 2001

	ANNUAL TOTAL	44589	145758	
ANNUAL MEAN	122	399	505	
HIGHEST ANNUAL MEAN			1022	1983
LOWEST ANNUAL MEAN			123	2000
HIGHEST DAILY MEAN	2270	Apr 4	4040	Mar 4
LOWEST DAILY MEAN	27	Sep 5	28	Oct 1
ANNUAL SEVEN-DAY MINIMUM	28	Aug 31	38	Oct 13
MAXIMUM PEAK FLOW			5080	Mar 3
MAXIMUM PEAK STAGE			17.94	Mar 3
ANNUAL RUNOFF (CFSM)	.36		1.17	
ANNUAL RUNOFF (INCHES)	4.85		15.85	
10 PERCENT EXCEEDS	232		1090	
50 PERCENT EXCEEDS	68		167	
90 PERCENT EXCEEDS	31		46	

PASCAGOULA RIVER BASIN

02476600 OKATIBBEE CREEK AT ARUNDEL, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.68	3.45	2.94	3.66	5.94	7.66	5.73	4.14	4.96	4.02	3.59	5.60
2	2.67	3.42	2.95	3.51	5.51	13.02	5.51	4.13	4.36	4.06	3.58	11.50
3	2.73	3.41	2.88	3.53	5.28	16.93	5.53	4.09	4.27	4.08	3.54	13.70
4	3.06	3.42	2.86	3.78	5.13	17.08	9.62	4.14	5.14	4.05	3.47	9.66
5	3.09	3.43	2.86	3.75	5.03	13.59	17.01	4.10	8.72	4.10	3.56	9.14
6	4.19	3.44	2.85	3.72	4.94	9.88	16.80	4.06	5.94	5.80	3.61	9.34
7	3.56	3.54	2.87	4.05	4.87	9.77	12.29	4.03	7.02	4.67	3.64	9.89
8	3.21	4.17	2.89	5.88	4.79	10.03	9.76	4.00	7.81	4.27	3.59	9.38
9	3.18	4.13	2.85	4.79	5.02	9.68	10.27	4.19	8.07	4.00	3.52	10.09
10	3.18	3.17	2.82	4.51	6.98	9.50	10.32	5.43	8.61	3.80	4.11	8.48
11	3.12	2.90	2.84	5.09	5.84	9.16	10.12	4.65	7.49	3.75	7.17	8.37
12	2.90	2.83	2.80	5.02	5.37	8.07	9.92	4.58	6.03	3.68	5.70	8.90
13	2.88	2.82	2.95	4.70	5.28	8.52	8.97	4.68	5.25	3.72	5.26	8.83
14	2.87	2.79	3.85	4.68	5.22	8.44	8.22	4.22	4.87	3.64	4.43	8.74
15	2.86	2.79	3.22	4.94	5.14	14.40	9.04	4.10	4.65	3.60	3.98	8.64
16	2.86	3.53	3.51	4.95	6.82	11.72	8.73	4.01	4.50	3.59	3.81	8.58
17	2.87	3.54	4.22	5.85	10.12	9.65	7.17	3.94	4.29	3.56	3.85	8.51
18	2.85	3.65	3.41	5.63	6.93	10.07	6.23	3.90	4.16	3.53	4.47	6.98
19	2.87	6.84	3.26	11.18	5.98	9.74	5.63	3.86	4.06	3.49	3.84	6.85
20	2.88	4.17	3.11	11.36	5.64	9.07	5.11	3.91	4.27	3.50	3.84	7.77
21	2.87	3.34	3.29	7.37	5.51	9.60	4.79	3.82	5.00	4.11	4.29	7.41
22	2.86	3.11	3.28	6.98	6.46	9.59	4.63	4.08	7.21	3.95	4.10	7.23
23	2.87	3.01	3.13	7.72	6.07	9.45	4.56	3.92	6.17	3.62	3.98	7.16
24	3.06	4.14	3.05	7.87	5.60	8.95	5.93	3.84	4.91	3.54	3.93	6.64
25	3.95	4.87	3.00	7.74	5.65	8.88	5.40	4.58	4.49	3.53	3.91	5.82
26	4.00	3.69	2.96	7.62	5.42	8.41	4.92	4.07	4.33	3.78	3.88	5.70
27	4.00	3.31	4.43	6.67	5.43	7.50	4.70	4.91	4.15	3.74	4.09	5.63
28	4.00	3.13	7.53	6.35	7.36	6.83	4.52	4.31	4.06	3.61	5.18	5.59
29	4.01	3.02	6.03	7.62	---	6.15	4.42	4.56	4.00	3.68	4.50	5.56
30	4.02	2.97	4.47	10.19	---	6.13	4.25	4.09	4.04	3.90	8.15	4.78
31	3.82	---	3.89	7.04	---	5.94	---	4.69	---	3.58	8.51	---
MEAN	3.22	3.53	3.45	6.06	5.83	9.79	7.67	4.23	5.43	3.87	4.42	8.02
MAX	4.19	6.84	7.53	11.36	10.12	17.08	17.01	5.43	8.72	5.80	8.51	13.70
MIN	2.67	2.79	2.80	3.51	4.79	5.94	4.25	3.82	4.00	3.49	3.47	4.78

02477000 CHICKASAWHAY RIVER AT ENTERPRISE, MS

LOCATION.--Lat 32°10'33", long 88°49'11", in SE1/4 SE1/4 NW1/4 sec.24, T.4 N., R.14 E., Choctaw Meridian, Clarke County, Hydrologic Unit 03170002, on right bank at downstream side of bridge on State Highway 513 in Enterprise, 0.5 mi downstream from confluence of Chunky River and Okatibbee Creek, and at mile 158.2.

DRAINAGE AREA.--918 mi².

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

REVISED RECORDS.--WSP 1334: 1953. WRD Miss. 1966: 1965. WDR MS-80-1: Drainage area.

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

REMARKS.--No estimated daily discharges. Records good. Flow from 154 mi² above the station, 38.4 mi upstream, regulated by Okatibbee Lake since November 1968. Satellite telemeter and National Weather Service telemeter at station.

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)
Mar. 5	0430	*14,000	*28.45	Apr. 7	0630	10,200	25.09

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	86	145	444	1680	2020	963	333	432	255	216	1640
2	37	74	138	348	1050	4780	846	318	305	246	178	4200
3	37	72	129	307	836	9440	760	289	260	247	157	7100
4	41	71	122	286	725	12700	1330	282	369	247	158	6330
5	53	73	118	285	658	13400	6440	269	2080	239	167	4500
6	67	75	114	276	607	8760	9160	258	1770	376	231	3050
7	166	77	112	280	563	4750	9730	248	1510	366	204	2430
8	78	141	111	741	527	3040	5900	242	2210	268	168	1890
9	69	173	113	1000	561	2260	3270	260	3260	243	182	2910
10	71	350	110	678	1360	2100	2320	364	2530	217	218	3080
11	67	251	107	596	1330	2040	2070	549	2140	188	657	2580
12	59	145	105	710	934	1720	1880	410	1300	178	1430	1780
13	51	99	106	683	773	2290	1680	457	816	176	861	1480
14	49	79	206	573	730	2140	1370	346	613	186	722	1340
15	48	66	202	591	692	4930	2010	291	490	194	460	1250
16	47	81	207	577	1050	6030	3050	249	425	176	329	1190
17	47	191	341	913	3500	4670	2530	221	355	164	323	1160
18	47	155	248	1240	2750	3300	1640	200	311	153	477	1020
19	46	763	200	3130	1640	2290	1010	187	290	145	316	641
20	47	714	175	5350	1120	1980	785	182	363	138	240	1060
21	47	439	168	3890	946	2060	648	174	590	149	343	1080
22	46	252	190	2750	1040	2080	562	195	919	261	367	922
23	46	180	177	1600	1160	1880	504	301	964	218	276	836
24	47	194	167	1400	901	1730	769	260	561	242	245	778
25	75	578	156	1260	865	1850	921	298	406	189	223	561
26	112	604	158	1150	773	1870	735	258	333	190	209	508
27	113	375	257	990	695	1530	555	292	374	215	201	479
28	113	241	1270	815	1190	1170	461	745	282	179	420	463
29	113	188	1810	1010	---	1060	406	571	264	162	438	443
30	114	161	1280	3120	---	1030	360	334	247	205	1580	392
31	113	---	658	2690	---	1040	---	359	---	208	2280	---
TOTAL	2103	6948	9400	39683	30656	111940	64665	9742	26769	6620	14276	57093
MEAN	67.8	232	303	1280	1095	3611	2156	314	892	214	461	1903
MAX	166	763	1810	5350	3500	13400	9730	745	3260	376	2280	7100
MIN	37	66	105	276	527	1030	360	174	247	138	157	392
CFSM	.07	.25	.33	1.39	1.19	3.93	2.35	.34	.97	.23	.50	2.07
IN.	.09	.28	.38	1.61	1.24	4.54	2.62	.39	1.08	.27	.58	2.31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2001, BY WATER YEAR (WY)

	MEAN	255	635	1306	2045	2661	2807	2443	1205	537	579	350	298
MAX	1310	4011	7012	6699	9250	6415	6793	5644	2200	4494	1518	1903	
(WY)	1978	1949	1962	1998	1990	1980	1979	1991	1983	1940	1946	2001	
MIN	23.5	49.4	174	286	259	540	310	125	101	50.9	42.7	24.8	
(WY)	1964	1964	1964	1956	2000	1955	1967	1963	1988	1952	1954	1954	

SUMMARY STATISTICS

	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1938 - 2001	
ANNUAL TOTAL	114976		379895			
ANNUAL MEAN	314		1041		1253	
HIGHEST ANNUAL MEAN					2633	
LOWEST ANNUAL MEAN					311	
HIGHEST DAILY MEAN	6840	Apr 4	13400	Mar 5	58500	Feb 23 1961
LOWEST DAILY MEAN	34	Sep 6	37	Oct 1	18	Sep 25 1954
ANNUAL SEVEN-DAY MINIMUM	36	Sep 2	47	Oct 17	18	Sep 24 1954
MAXIMUM PEAK FLOW			14000	Mar 5	61700	Feb 23 1961
MAXIMUM PEAK STAGE			28.45	Mar 5	42.94	Feb 23 1961
INSTANTANEOUS LOW FLOW			36	Oct 1, 2, 3	18	Sep 25 1954
ANNUAL RUNOFF (CFSM)	.34		1.13		1.36	
ANNUAL RUNOFF (INCHES)	4.66		15.39		18.54	
10 PERCENT EXCEEDS	618		2470		3110	
50 PERCENT EXCEEDS	162		406		467	
90 PERCENT EXCEEDS	47		106		94	

PASCAGOULA RIVER BASIN

02477000 CHICKASAWHAY RIVER AT ENTERPRISE, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.82	4.45	4.65	6.23	9.83	10.73	7.90	5.85	6.31	5.36	5.12	9.73
2	3.82	4.32	4.60	5.82	8.14	17.06	7.57	5.78	5.78	5.31	4.88	15.66
3	3.82	4.30	4.53	5.63	7.54	24.66	7.32	5.64	5.55	5.32	4.74	21.71
4	3.89	4.29	4.47	5.52	7.21	27.52	8.87	5.60	5.93	5.31	4.74	20.35
5	4.07	4.30	4.43	5.52	6.99	28.04	20.41	5.54	10.87	5.27	4.81	16.69
6	4.23	4.33	4.40	5.47	6.83	23.79	24.13	5.49	10.07	5.90	5.22	13.36
7	5.09	4.35	4.38	5.49	6.68	17.40	24.64	5.43	9.38	5.90	5.06	11.82
8	4.36	4.90	4.37	7.22	6.55	13.42	19.46	5.41	11.21	5.43	4.82	10.37
9	4.27	5.14	4.39	8.01	6.66	11.35	13.89	5.51	13.89	5.29	4.92	13.03
10	4.28	6.08	4.36	7.05	8.98	10.91	11.51	5.99	12.08	5.13	5.12	13.46
11	4.24	5.64	4.34	6.79	8.90	10.76	10.85	6.69	11.05	4.95	6.86	12.22
12	4.14	4.97	4.32	7.16	7.82	9.94	10.35	6.21	8.81	4.89	9.16	10.09
13	4.03	4.58	4.32	7.07	7.36	11.43	9.82	6.38	7.48	4.88	7.61	9.29
14	4.01	4.37	5.05	6.71	7.23	11.04	9.01	5.96	6.85	4.94	7.20	8.93
15	3.99	4.23	5.04	6.77	7.11	17.48	10.70	5.69	6.41	4.99	6.29	8.69
16	3.99	4.36	5.08	6.73	8.06	19.82	13.40	5.47	6.16	4.88	5.74	8.53
17	3.98	5.17	5.79	7.76	14.47	17.06	12.06	5.31	5.85	4.79	5.66	8.45
18	3.98	4.84	5.32	8.66	12.61	13.98	9.71	5.18	5.65	4.71	6.36	8.06
19	3.97	7.23	5.03	13.31	9.71	11.45	8.02	5.11	5.54	4.65	5.67	6.95
20	3.98	7.17	4.87	18.46	8.35	10.60	7.40	5.07	5.86	4.60	5.27	8.19
21	3.98	6.20	4.82	15.35	7.85	10.82	6.98	5.03	6.77	4.68	5.77	8.22
22	3.97	5.33	4.97	12.63	8.12	10.87	6.70	5.17	7.76	5.39	5.90	7.79
23	3.96	4.90	4.88	9.62	8.45	10.34	6.50	5.76	7.90	5.14	5.47	7.55
24	3.97	4.97	4.81	9.08	7.73	9.95	7.32	5.56	6.66	5.28	5.30	7.37
25	4.30	6.71	4.74	8.71	7.63	10.26	7.79	5.74	6.08	4.96	5.17	6.70
26	4.70	6.81	4.75	8.43	7.36	10.31	7.25	5.54	5.75	4.97	5.09	6.52
27	4.71	5.94	5.30	7.98	7.11	9.42	6.69	5.66	5.93	5.12	5.04	6.42
28	4.71	5.28	8.73	7.48	8.51	8.49	6.36	7.29	5.50	4.90	6.07	6.36
29	4.70	4.95	10.18	8.00	---	8.19	6.15	6.77	5.40	4.77	6.16	6.29
30	4.71	4.77	8.77	13.56	---	8.09	5.97	5.92	5.31	5.06	9.56	6.08
31	4.71	---	6.99	12.47	---	8.13	---	6.04	---	5.05	11.40	---
MEAN	4.21	5.16	5.25	8.54	8.21	13.66	10.49	5.74	7.46	5.09	6.01	10.16
MAX	5.09	7.23	10.18	18.46	14.47	28.04	24.64	7.29	13.89	5.90	11.40	21.71
MIN	3.82	4.23	4.32	5.47	6.55	8.09	5.97	5.03	5.31	4.60	4.74	6.08

PASCAGOULA RIVER BASIN

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02477990 BUCKATUNNA CREEK NEAR DENHAM, MS

LOCATION.--Lat 31°41'39", long 88°31'11", in NE1/4 NE1/4 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 sea level. Prior to water year 1975, at datum 3.94 ft lower.

REMARKS.--Estimated daily discharges: Dec. 24, 27-31 and Jan. 1-4. Records good except estimated daily discharges, which are poor. Satellite telemeter at station.

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)
Mar. 4	0545	*8,940	*30.05	Mar. 13	0945	5,310	22.36

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.7	4.0	62	e440	1340	2320	601	189	222	149	71	115
2	8.2	4.0	53	e400	1250	4730	591	169	182	134	90	332
3	6.9	4.1	47	e360	829	7170	531	150	164	208	63	1400
4	5.4	4.1	42	e310	535	8610	2270	134	126	217	56	2090
5	4.5	4.5	40	279	425	7530	1960	123	121	187	68	2390
6	5.9	5.5	39	244	365	7240	1570	116	137	164	51	2530
7	11	11	37	222	324	6700	1710	107	337	139	69	2680
8	10	12	36	212	293	5830	1970	100	421	116	53	2680
9	7.9	17	35	335	269	4860	2380	116	799	165	75	2350
10	6.9	16	36	566	435	3560	2470	128	1250	127	57	1590
11	5.6	13	35	556	693	1560	1270	191	1840	113	158	1190
12	4.9	12	36	418	881	2660	717	184	2070	112	176	829
13	4.4	30	41	437	814	5120	572	144	1740	114	294	561
14	4.1	30	137	484	583	4470	482	129	1070	101	510	402
15	4.5	26	88	408	477	4630	449	107	575	79	433	312
16	5.3	25	79	338	440	4240	464	112	412	67	335	254
17	5.1	31	193	520	886	3200	541	108	332	58	203	214
18	5.3	26	155	648	1010	2410	705	90	241	53	249	244
19	5.1	44	143	810	1100	2120	561	79	190	48	299	317
20	4.6	51	130	1160	1220	1730	404	73	177	44	680	262
21	4.6	48	120	1170	1170	1220	338	70	186	45	487	236
22	4.5	127	198	1230	716	1060	298	65	284	45	303	264
23	4.2	104	134	1220	526	995	268	61	545	42	204	243
24	3.9	122	e125	821	446	851	263	57	551	38	143	201
25	3.6	268	105	529	1250	903	274	62	396	36	108	166
26	3.5	108	103	423	1160	1180	342	67	265	37	86	136
27	3.6	172	e90	361	947	1070	443	60	194	39	72	121
28	3.7	188	e80	316	1140	886	333	59	193	37	67	110
29	3.9	114	e76	312	---	759	261	71	235	35	62	100
30	3.9	78	e180	1060	---	688	218	69	181	35	56	92
31	4.0	---	e390	1260	---	632	---	77	---	38	59	---
TOTAL	168.7	1699.2	3065	17849	21524	100934	25256	3267	15436	2822	5637	24411
MEAN	5.44	56.6	98.9	576	769	3256	842	105	515	91.0	182	814
MAX	11	268	390	1260	1340	8610	2470	191	2070	217	680	2680
MIN	3.5	4.0	35	212	269	632	218	57	121	35	51	92
CFSM	.01	.12	.20	1.17	1.56	6.62	1.71	.21	1.05	.19	.37	1.65
IN.	.01	.13	.23	1.35	1.63	7.63	1.91	.25	1.17	.21	.43	1.85

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2001, BY WATER YEAR (WY)

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	
MEAN	169	399	742	1404	1427	1629	1365	663	379	259	156	216																			
MAX	945	1852	1901	3497	4046	3445	4431	3155	1465	1717	660	1315																			
(WY)	1976	1980	1987	1998	1990	1983	1980	1991	1991	1989	1975	1979																			
MIN	5.44	23.7	98.9	172	194	475	164	87.7	26.9	23.4	11.2	7.98																			
(WY)	2001	1979	2001	1981	2000	1986	1986	2000	1988	2000	2000	2000																			

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1972 - 2001

	2000	2001	1972-2001
ANNUAL TOTAL	78637.7	222068.9	
ANNUAL MEAN	215	608	732
HIGHEST ANNUAL MEAN			1388
LOWEST ANNUAL MEAN			240
HIGHEST DAILY MEAN	2650	8610	11700
LOWEST DAILY MEAN	3.4	3.5	3.4
ANNUAL SEVEN-DAY MINIMUM	3.7	3.7	3.7
MAXIMUM PEAK FLOW		8940	12200
MAXIMUM PEAK STAGE		30.05	34.90
INSTANTANEOUS LOW FLOW		3.5	3.3
ANNUAL RUNOFF (CFSM)	.44	1.24	1.49
ANNUAL RUNOFF (INCHES)	5.95	16.79	20.21
10 PERCENT EXCEEDS	508	1560	2020
50 PERCENT EXCEEDS	51	190	294
90 PERCENT EXCEEDS	4.8	11	41

e Estimated

PASCAGOULA RIVER BASIN

02478500 CHICKASAWHAY RIVER AT LEAKESVILLE, MS

LOCATION.--Lat 31°08'54", long 88°33'52", in NE1/4 SW1/4 sec.12, T.2 N., R.6 W., St. Stephens Meridian, Greene County, Hydrologic Unit 03170003, on left bank on downstream side of abandoned bridge 400 ft below 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 sea level (levels by U.S. Army Corps of Engineers). Prior to Oct. 19, 1939, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: Nov. 6-29, Jan. 28 and Mar. 2-4. Records good except for estimated daily discharges, which are poor. Satellite telemeter and National Weather Service telemeter at station.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Mar. 6	2345	*30,400	*28.25	Sep. 8	1715	16,100	23.00

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	195	217	826	4870	5660	4240	3870	1510	1110	1230	634	943
2	190	221	699	3730	6300	e7570	3590	1380	1040	1110	1010	1800
3	185	223	610	2550	5430	e15300	3350	1280	1100	1030	1120	3080
4	182	224	548	1800	3730	e22600	3090	1200	1060	1080	903	7560
5	179	225	507	1510	2840	27000	5330	1140	1010	1130	745	11600
6	184	e237	480	1320	2390	29800	7480	1090	922	1170	659	13900
7	189	e276	459	1180	2070	30100	8810	1040	1540	1220	654	15400
8	197	e311	440	1130	1880	28900	10500	1000	3180	1100	680	16000
9	206	e358	430	1160	1750	27900	11600	981	3910	1000	896	14900
10	217	e631	420	1440	1750	26800	12400	1130	4700	1010	1140	11900
11	245	e696	410	2070	2050	24500	12700	1310	8590	947	1120	9050
12	258	e619	395	2180	3070	19500	9110	1230	12100	895	1150	8140
13	242	e517	395	1940	3630	17600	5310	1230	10700	887	2690	7170
14	227	e417	456	1900	3590	18600	4410	1250	7800	999	4140	5700
15	221	e325	566	1960	3060	19700	3890	1120	4970	969	2850	4040
16	216	e373	769	1940	2650	18900	3560	1070	3350	845	2440	3160
17	210	e499	816	2290	2350	17700	3610	986	2510	761	1960	2730
18	201	e607	913	2900	2790	17100	4440	918	2030	713	1500	2470
19	195	e940	945	3240	4530	16000	4770	852	1700	679	1350	2510
20	190	e1240	884	3820	5740	14000	4080	800	1510	645	1560	2720
21	187	e1460	863	5480	5470	10900	2980	764	1350	611	1760	2260
22	186	e1520	833	7320	4710	7810	2400	736	1280	598	1750	1970
23	184	e1220	940	7700	3620	6610	2080	714	1470	577	1490	2030
24	182	e1370	954	6690	2890	6180	1910	693	1920	560	1230	2000
25	181	e2040	839	4820	2750	5730	1870	696	2320	554	1070	1840
26	179	e1800	753	3440	4650	5750	1930	720	2050	601	922	1700
27	175	e1610	697	2930	5520	6360	2200	747	1600	612	823	1550
28	173	e1320	704	e2680	4600	6060	2300	728	1320	617	815	1360
29	172	e1190	1880	2420	---	5500	2020	733	1160	624	776	1250
30	179	1010	5870	2440	---	4800	1710	762	1170	611	699	1180
31	205	---	6230	3830	---	4250	---	1060	---	631	711	---
TOTAL	6132	23696	32531	94680	101470	473760	147300	30870	90472	26016	41247	161913
MEAN	198	790	1049	3054	3624	15280	4910	996	3016	839	1331	5397
MAX	258	2040	6230	7700	6300	30100	12700	1510	12100	1230	4140	16000
MIN	172	217	395	1130	1750	4240	1710	693	922	554	634	943
MED	190	613	704	2440	3330	16000	3740	1000	1650	845	1120	2720
CFSM	.07	.29	.39	1.14	1.35	5.68	1.83	.37	1.12	.31	.49	2.01
IN.	.08	.33	.45	1.31	1.40	6.55	2.04	.43	1.25	.36	.57	2.24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2001, BY WATER YEAR (WY)

MEAN	985	1791	3851	5840	7315	8555	7590	4150	2041	1889	1323	1261
MAX	4144	8146	18990	18120	23450	19890	26650	18110	6774	14390	6439	6115
(WY)	1976	1949	1962	1998	1990	1961	1980	1991	1991	1940	1946	1979
MIN	181	240	515	762	1121	1783	1165	556	464	300	277	217
(WY)	1964	1964	1955	1956	2000	1955	1963	1963	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1938 - 2001
ANNUAL TOTAL	435207	1230087	
ANNUAL MEAN	1189	3370	3864
HIGHEST ANNUAL MEAN			7710
LOWEST ANNUAL MEAN			1252
HIGHEST DAILY MEAN	12700	Apr 7	72600
LOWEST DAILY MEAN	172	Oct 29	162
ANNUAL SEVEN-DAY MINIMUM	177	Oct 24	166
MAXIMUM PEAK FLOW		30400	73600
MAXIMUM PEAK STAGE		28.25	33.52
INSTANTANEOUS LOW FLOW		171	160
ANNUAL RUNOFF (CFSM)	.44	1.25	1.44
ANNUAL RUNOFF (INCHES)	6.02	17.01	19.52
10 PERCENT EXCEEDS	2720	7940	10400
50 PERCENT EXCEEDS	576	1360	1810
90 PERCENT EXCEEDS	197	253	478

e Estimated

02479000 PASCAGOULA RIVER AT MERRILL, MS

LOCATION.--Lat 30°58'40", long 88°43'28", in NW1/4 SW1/4 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 County 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 sea level. Prior to Dec. 6, 1934, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: May 31 - June 5. Records good except for estimated daily discharges, which are poor. Satellite telemeter and National Weather Service telemeter at station.

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.--Peak discharges greater than base discharge of 30,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar. 7	2400	*97,000	*25.32	Sep. 10	0500	41,000	20.50
Jun. 13	1645	43,300	20.96				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	709	679	2500	12200	13300	10400	9360	3680	e1650	5080	4570	3580
2	700	691	2130	9890	14300	11500	8550	3380	e2500	4510	4400	4150
3	691	694	1840	7450	13300	29600	7980	3190	e3250	3550	4440	5720
4	675	698	1650	5440	10600	54800	7430	2980	e3000	3480	3620	11700
5	671	725	1510	4340	7840	74400	7350	2800	e2830	4730	3210	19500
6	675	755	1410	3690	6220	86900	9610	2660	2750	5550	2890	26000
7	722	837	1350	3250	5340	95100	11600	2540	3800	4290	2690	31700
8	777	940	1300	3060	4760	95200	15500	2450	7800	3990	2790	36600
9	819	954	1260	3010	4400	88400	18000	2360	10400	3470	3830	39900
10	841	1190	1220	3660	4600	80100	18300	2420	12300	3000	3790	40300
11	822	1940	1190	4680	5590	70700	17600	2820	21800	3280	3970	35000
12	820	2280	1130	5380	8110	59200	16300	3020	36300	3590	6070	25500
13	808	1950	1120	5110	9040	54200	11500	2880	42400	3050	9410	18100
14	775	1590	1400	4780	8790	52100	8130	2750	41100	3160	13700	13700
15	748	1380	1780	4740	7710	53700	7190	2580	32800	3750	13200	10000
16	733	1270	2120	5060	6490	56300	6730	2390	20900	3410	10600	7600
17	724	1370	2400	6540	5680	55100	6340	2280	12100	2950	9080	6390
18	711	1630	2550	9370	6390	51500	6510	2130	7850	2600	7530	5680
19	698	2040	2580	10500	9890	46900	7430	2020	5850	2300	5820	5420
20	694	3120	2540	11400	11800	40400	7400	1920	5020	2070	5490	6230
21	688	3610	2380	15600	11800	31900	6150	1830	4630	1920	5010	5960
22	681	3820	2360	19100	10700	22700	5130	1740	4420	1830	6100	5110
23	678	3490	2500	20300	8320	15800	4560	1670	4860	1780	5750	4710
24	673	3090	2610	19800	6450	13000	4270	1640	5330	1670	4710	4510
25	664	4320	2480	16100	6110	11800	4390	1670	5450	1620	3890	4230
26	661	4290	2230	10900	10800	11200	4410	1780	5040	1730	3320	3960
27	657	4040	2040	7840	10800	11200	4690	1750	4320	1980	2880	3730
28	652	3560	2070	6400	9850	11900	4800	1720	3680	2140	2680	3450
29	652	3150	3320	5710	---	12500	4640	1700	3770	2660	2980	3190
30	648	2920	9650	6720	---	11600	4110	1670	5070	2310	2650	3000
31	655	---	13400	10100	---	10300	---	e1630	---	2160	2770	---
TOTAL	22122	63023	80020	262120	238980	1330400	255960	72050	322970	93610	163840	394620
MEAN	714	2101	2581	8455	8535	42920	8532	2324	10770	3020	5285	13150
MAX	841	4320	13400	20300	14300	95200	18300	3680	42400	5550	13700	40300
MIN	648	679	1120	3010	4400	10300	4110	1630	1650	1620	2650	3000
CFSM	.11	.32	.39	1.28	1.30	6.51	1.29	.35	1.63	.46	.80	2.00
IN.	.12	.36	.45	1.48	1.35	7.51	1.44	.41	1.82	.53	.92	2.23

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2001, BY WATER YEAR (WY)

MEAN	2998	4992	9966	15280	18500	20570	18570	10660	5369	5204	4007	3719
MAX	12410	21640	45210	45510	58660	47600	70770	49960	18580	34250	11500	15110
(WY)	1976	1949	1962	1998	1990	1961	1980	1991	1991	1940	1975	1979
MIN	714	914	1598	2328	2407	4671	3049	1679	1229	938	932	803
(WY)	2001	1964	1955	1956	2000	1955	1963	1963	2000	2000	2000	2000

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1931 - 2001

ANNUAL TOTAL	1008173	3299715	9942
ANNUAL MEAN	2755	9040	19410
HIGHEST ANNUAL MEAN			2921
LOWEST ANNUAL MEAN			176000
HIGHEST DAILY MEAN	26500	Apr 8	95200
LOWEST DAILY MEAN	648	Oct 30	548
ANNUAL SEVEN-DAY MINIMUM	656	Oct 25	656
MAXIMUM PEAK FLOW			97000
MAXIMUM PEAK STAGE			25.32
INSTANTANEOUS LOW FLOW			647
ANNUAL RUNOFF (CFSM)	.42	1.37	1.51
ANNUAL RUNOFF (INCHES)	5.69	18.63	20.50
10 PERCENT EXCEEDS	6360	19300	24700
50 PERCENT EXCEEDS	1520	4230	5010
90 PERCENT EXCEEDS	706	831	1580

e Estimated

PASCAGOULA RIVER BASIN

02479000 PASCAGOULA RIVER AT MERRILL, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.35	1.32	3.79	10.63	11.20	9.54	9.11	5.16	---	6.28	5.79	4.85
2	1.33	1.35	3.42	9.25	11.77	10.21	8.65	4.90	---	5.83	5.66	5.34
3	1.31	1.36	3.11	7.70	11.23	17.44	8.32	4.72	---	5.03	5.69	6.55
4	1.28	1.37	2.90	6.28	9.69	22.24	7.97	4.53	---	4.96	5.00	10.33
5	1.27	1.43	2.73	5.43	7.96	23.91	7.92	4.37	---	5.99	4.65	14.35
6	1.28	1.50	2.62	4.88	6.85	24.73	9.30	4.23	4.32	6.62	4.35	16.82
7	1.39	1.69	2.55	4.50	6.21	25.19	10.41	4.11	5.23	5.64	4.15	18.47
8	1.52	1.92	2.48	4.32	5.76	25.22	12.39	4.02	8.20	5.39	4.25	19.61
9	1.63	1.95	2.43	4.28	5.48	24.79	13.63	3.94	9.74	4.95	5.16	20.28
10	1.68	2.32	2.38	4.86	5.64	24.23	13.82	4.00	10.79	4.51	5.13	20.37
11	1.64	3.21	2.34	5.69	6.39	23.52	13.45	4.38	15.04	4.76	5.27	19.27
12	1.64	3.58	2.27	6.24	8.14	22.56	12.82	4.57	19.53	5.03	6.89	16.63
13	1.61	3.22	2.25	6.04	8.73	22.11	10.35	4.44	20.78	4.56	9.06	13.71
14	1.53	2.83	2.60	5.78	8.58	21.93	8.43	4.32	20.52	4.65	11.46	11.44
15	1.47	2.58	3.05	5.75	7.88	22.13	7.81	4.15	18.70	5.16	11.22	9.34
16	1.44	2.44	3.40	5.99	7.04	22.41	7.50	3.96	14.86	4.87	9.76	7.81
17	1.42	2.57	3.70	7.07	6.47	22.32	7.22	3.85	10.64	4.46	8.88	6.98
18	1.39	2.87	3.85	8.93	6.96	21.99	7.34	3.70	8.23	4.12	7.88	6.47
19	1.36	3.32	3.88	9.62	9.25	21.40	7.97	3.59	6.87	3.81	6.69	6.27
20	1.35	4.38	3.83	10.12	10.40	20.29	7.95	3.48	6.25	3.57	6.44	6.86
21	1.34	4.81	3.68	12.44	10.37	18.43	7.08	3.38	5.94	3.41	6.08	6.66
22	1.32	5.00	3.66	14.20	9.77	15.61	6.33	3.28	5.77	3.31	6.88	6.03
23	1.32	4.71	3.80	14.79	8.27	12.54	5.89	3.21	6.12	3.25	6.62	5.72
24	1.30	4.36	3.90	14.54	7.02	11.05	5.65	3.16	6.48	3.13	5.83	5.56
25	1.28	5.40	3.78	12.66	6.77	10.42	5.75	3.21	6.57	3.07	5.15	5.34
26	1.27	5.38	3.52	9.88	9.80	10.06	5.76	3.32	6.26	3.19	4.66	5.12
27	1.26	5.18	3.33	7.96	9.81	10.09	5.98	3.30	5.69	3.47	4.25	4.92
28	1.25	4.77	3.36	6.98	9.24	10.51	6.07	3.26	5.15	3.63	4.06	4.68
29	1.25	4.41	4.53	6.49	---	10.80	5.95	3.23	5.22	4.15	4.34	4.45
30	1.24	4.19	9.06	7.19	---	10.34	5.52	3.21	6.28	3.80	4.02	4.27
31	1.26	---	11.29	9.36	---	9.62	---	---	---	3.64	4.14	---
MEAN	1.39	3.18	3.66	8.06	8.31	17.99	8.41	---	---	4.46	6.11	9.82
MAX	1.68	5.40	11.29	14.79	11.77	25.22	13.82	---	---	6.62	11.46	20.37
MIN	1.24	1.32	2.25	4.28	5.48	9.54	5.52	---	---	3.07	4.02	4.27

02479130 BLACK CREEK NEAR BROOKLYN, MS

LOCATION.--Lat 31°03'07", long 89°12'02", in NW1/4 NE1/4 sec.16, T.1 N., R.12 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170007, near right bank at downstream side of downstream bridge of dual bridges on U.S. Highway 49, 1.1 mi southwest of Brooklyn, and 4.5 mi upstream from Chaney Creek.

DRAINAGE AREA.--355 mi².

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

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

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

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

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)
Mar. 4	0630	6,100	17.30	Jun. 12	0030	*10,400	*21.16
Mar. 12	2300	4,070	13.84				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	35	155	339	710	598	511	108	213	293	565	555
2	37	37	148	266	553	701	423	103	95	235	364	478
3	35	39	140	227	410	3790	368	102	81	219	248	897
4	33	43	131	206	338	5930	340	100	75	819	278	1040
5	33	59	125	194	296	5350	323	94	148	642	207	2960
6	39	93	121	186	268	3610	297	92	438	481	191	2480
7	65	168	121	180	248	1850	269	89	1700	469	173	1530
8	72	166	124	264	233	1120	246	88	1950	386	205	1800
9	56	245	124	284	223	987	230	130	1690	252	288	2270
10	50	438	125	257	522	1220	217	144	1340	219	239	1840
11	47	325	120	257	505	845	195	150	5890	207	317	1260
12	46	204	116	283	420	2080	178	117	9840	229	685	843
13	44	145	116	276	414	3430	165	102	5040	680	993	614
14	43	122	320	255	353	3160	163	93	2100	590	1260	428
15	50	111	318	246	310	3780	171	87	2210	498	1930	342
16	48	113	317	421	291	2860	231	82	1710	431	875	286
17	45	262	431	1350	379	1760	240	80	1100	302	478	255
18	44	329	344	1020	437	1300	194	75	688	210	326	252
19	44	936	297	943	388	1000	165	73	528	181	261	461
20	43	950	253	1030	353	747	146	72	593	166	246	476
21	41	582	230	848	290	628	137	71	572	160	216	352
22	40	400	354	718	266	554	131	69	840	163	190	289
23	40	270	341	677	242	497	124	67	494	161	176	255
24	39	366	290	510	220	450	139	70	388	150	165	232
25	42	588	243	364	272	481	236	74	324	150	155	216
26	41	444	207	309	317	485	213	76	281	197	147	201
27	41	338	190	297	299	412	170	74	269	313	144	187
28	41	249	482	341	553	500	143	73	254	462	174	176
29	41	198	683	392	---	852	127	78	238	445	200	167
30	40	171	548	1340	---	716	116	84	245	284	183	160
31	37	---	446	939	---	618	---	149	---	325	269	---
TOTAL	1351	8426	7960	15219	10110	52311	6608	2866	41334	10319	12148	23302
MEAN	43.6	281	257	491	361	1687	220	92.5	1378	333	392	777
MAX	72	950	683	1350	710	5930	511	150	9840	819	1930	2960
MIN	33	35	116	180	220	412	116	67	75	150	144	160
CFSM	.12	.79	.72	1.38	1.02	4.75	.62	.26	3.88	.94	1.10	2.19
IN.	.14	.88	.83	1.59	1.06	5.48	.69	.30	4.33	1.08	1.27	2.44

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2001, BY WATER YEAR (WY)

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	
MEAN	304	431	708	1050	1031	1067	991	644	450	361	294	296																				
MAX	1142	944	2141	2417	2304	2025	3968	2355	1378	1056	866	896																				
(WY)	1986	1987	1972	1993	1990	1980	1983	1991	2001	1979	1987	1974																				
MIN	43.6	138	257	248	140	243	219	75.0	90.7	54.1	60.6	58.9																				
(WY)	2001	2000	2001	1981	2000	2000	1999	2000	2000	2000	2000	2000																				

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1971 - 2001
ANNUAL TOTAL	55039	191954	
ANNUAL MEAN	150	526	634
HIGHEST ANNUAL MEAN			998
LOWEST ANNUAL MEAN			159
HIGHEST DAILY MEAN	950	Nov 20	32200
LOWEST DAILY MEAN	32	Aug 25	32
ANNUAL SEVEN-DAY MINIMUM	36	Sep 30	36
MAXIMUM PEAK FLOW			42500
MAXIMUM PEAK STAGE			29.96
ANNUAL RUNOFF (CFSM)	.42		1.78
ANNUAL RUNOFF (INCHES)	5.77		24.25
10 PERCENT EXCEEDS	339		1380
50 PERCENT EXCEEDS	109		340
90 PERCENT EXCEEDS	40		115

PASCAGOULA RIVER BASIN

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

LOCATION.--Lat 31°01'32", long 89°00'51", in NW1/4 NE1/4 sec.29, T.1 N., R.10 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170007, on right bank, 75 ft downstream from bridge on State Highway 29, 1.2 mi east of Janice, and 5.5 mi upstream from mouth.

DRAINAGE AREA.--52.6 mi².

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

REVISED RECORDS.--WDR MS-80-1: Drainage area. WDR MS-85-1: 1959 (M), 1979 (M). WDR MS-93-1: 1992.

GAGE.--Water-stage recorder. Elevation of gage is 103 ft above sea level, from topographic map.

REMARKS.--Estimated daily discharges: Jul. 23. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

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)
Mar. 3	2330	2,470	20.71	Jun. 11	2300	*3,610	*22.51

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	3.4	17	31	70	135	61	8.9	26	30	123	84
2	3.0	3.6	17	27	48	122	46	8.5	11	23	60	82
3	2.9	3.6	16	25	39	1530	39	8.4	7.1	19	25	274
4	2.8	3.7	15	23	33	1440	36	8.0	6.0	21	17	258
5	2.8	5.0	15	22	29	288	33	7.5	17	20	32	236
6	3.9	9.8	15	21	26	176	29	7.4	29	16	60	121
7	5.2	15	14	21	24	137	25	7.3	56	15	39	74
8	5.2	9.2	14	66	23	113	23	7.1	77	14	40	52
9	4.5	14	14	54	23	177	22	7.3	91	14	32	155
10	4.0	14	14	35	51	239	20	7.8	54	13	23	336
11	3.9	9.0	13	32	51	146	18	7.2	1980	18	41	130
12	3.8	7.3	13	37	35	544	16	6.8	1540	44	290	69
13	3.6	6.7	14	33	29	628	15	6.5	403	114	278	38
14	3.5	6.4	60	28	33	222	14	6.0	287	79	108	24
15	3.4	6.2	49	32	31	311	14	5.8	222	30	71	18
16	3.3	8.6	35	101	27	221	25	5.7	129	19	36	15
17	3.4	27	37	216	24	142	23	5.5	81	15	26	13
18	3.3	31	31	132	21	116	16	5.4	53	12	21	14
19	3.4	163	32	113	20	97	14	5.5	38	11	27	60
20	3.4	106	30	136	19	87	13	5.7	57	10	52	129
21	3.5	39	31	86	19	81	11	5.5	51	11	58	53
22	3.6	24	61	58	21	68	11	5.5	68	18	28	24
23	3.5	20	47	46	19	56	10	5.3	61	e15	18	16
24	3.4	87	32	38	18	48	17	5.2	36	11	14	13
25	3.3	210	26	34	220	73	50	5.3	27	12	12	12
26	3.4	91	23	30	241	82	31	5.2	23	27	12	10
27	3.4	44	22	33	122	54	18	5.0	24	50	11	9.5
28	3.4	29	80	38	178	100	14	5.1	25	61	13	9.0
29	3.4	24	124	61	---	181	11	5.8	22	65	13	8.5
30	3.3	20	64	232	---	119	9.5	11	25	29	16	8.0
31	3.4	---	39	131	---	85	---	23	---	24	46	---
TOTAL	109.9	1040.5	1014	1972	1494	7818	684.5	220.2	5526.1	860	1642	2345.0
MEAN	3.55	34.7	32.7	63.6	53.4	252	22.8	7.10	184	27.7	53.0	78.2
MAX	5.2	210	124	232	241	1530	61	23	1980	114	290	336
MIN	2.8	3.4	13	21	18	48	9.5	5.0	6.0	10	11	8.0
CFSM	.07	.66	.62	1.21	1.01	4.79	.43	.14	3.50	.53	1.01	1.49
IN.	.08	.74	.72	1.39	1.06	5.53	.48	.16	3.91	.61	1.16	1.66

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2001, BY WATER YEAR (WY)

	MEAN	37.2	59.5	113	160	160	175	154	91.4	53.1	45.2	40.4	50.3
MAX	287	236	265	442	417	383	637	558	296	137	131	229	
(WY)	1986	1980	1972	1993	1990	1980	1983	1991	1989	1991	1975	1979	
MIN	3.55	8.58	25.8	24.5	18.0	40.9	22.8	6.00	8.78	6.95	7.20	4.17	
(WY)	2001	1982	1991	1981	2000	2000	2001	2000	1968	2000	1981	2000	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1967 - 2001

ANNUAL TOTAL	7581.7	24726.2	
ANNUAL MEAN	20.7	67.7	94.5
HIGHEST ANNUAL MEAN			175
LOWEST ANNUAL MEAN			22.8
HIGHEST DAILY MEAN	272	Mar 20	1980
LOWEST DAILY MEAN	2.8	Oct 4	2.8
ANNUAL SEVEN-DAY MINIMUM	3.0	Sep 29	3.4
MAXIMUM PEAK FLOW			3610
MAXIMUM PEAK STAGE			22.51
INSTANTANEOUS LOW FLOW			2.7
ANNUAL RUNOFF (CFSM)	.39	1.29	1.80
ANNUAL RUNOFF (INCHES)	5.36	17.49	24.41
10 PERCENT EXCEEDS	44	133	192
50 PERCENT EXCEEDS	12	24	35
90 PERCENT EXCEEDS	3.5	5.2	9.8

e Estimated

02479160 BLACK CREEK NEAR WIGGINS, MS

LOCATION.--Lat 30°51'12", long 88°54'39", in SE1/4 SW1/4 sec.20, T.2 S., R.9 W., St. Stephens Meridian, Stone County, Hydrologic Unit 03170007, on left bank on downstream side of bridge on State Highway 26, 1.7 mi downstream from Flat Branch, 8.6 mi upstream from Sweetwater Creek, and 13.4 mi east of Wiggins.

DRAINAGE AREA.--701 mi².

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

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

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

REMARKS.--Estimated daily discharges: Nov. 9-12 and Dec. 14-19. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

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)
Mar. 5	0500	11,600	21.99	Jun. 13	1630	*13,800	*22.92

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73	69	341	679	1450	1380	1120	246	307	502	1380	961
2	70	67	311	548	1110	1160	929	229	444	428	1560	1190
3	67	66	292	465	893	6160	795	231	243	347	783	1440
4	68	67	276	414	722	10000	722	238	162	327	528	2290
5	66	74	261	384	628	11300	677	220	234	977	525	2830
6	66	96	248	400	566	9640	636	206	345	750	568	3930
7	72	186	241	369	519	6900	591	195	938	593	566	2840
8	89	238	236	410	476	2860	550	189	2140	555	548	2070
9	106	e275	236	596	455	2180	512	234	2300	457	958	3860
10	99	e603	235	540	597	2860	485	339	1940	332	887	4760
11	90	e617	231	475	984	2300	459	319	5370	306	599	2910
12	85	e371	224	487	830	3070	425	271	8780	384	1150	1890
13	83	264	220	499	692	6260	397	224	13600	640	2480	1380
14	80	212	e386	468	677	6460	379	194	12700	1330	1930	1030
15	76	182	e757	477	633	5530	374	175	7230	947	2240	773
16	75	181	e680	682	572	5610	489	164	3360	710	2040	639
17	82	286	e788	1790	530	4110	521	153	2090	580	1160	593
18	78	459	e710	2110	608	2650	472	147	1390	430	782	557
19	75	921	e559	1630	635	2120	400	142	961	332	588	552
20	75	1700	517	1750	574	1740	354	147	854	283	571	1450
21	75	1260	458	1570	535	1450	324	141	844	254	566	1290
22	74	790	498	1260	487	1270	304	136	910	300	489	800
23	72	578	644	1080	460	1120	288	131	1040	338	384	606
24	71	530	568	986	427	1000	297	124	684	297	322	518
25	69	1440	482	785	601	944	447	120	516	265	285	462
26	68	1260	416	637	1290	1080	577	123	428	339	259	422
27	70	790	375	575	937	961	464	121	382	731	241	384
28	70	585	500	599	997	899	368	119	382	826	235	351
29	70	465	1210	643	---	1710	312	118	353	937	317	324
30	69	389	1150	1680	---	1680	274	119	344	784	481	303
31	69	---	845	2160	---	1340	---	174	---	577	602	---
TOTAL	2352	15041	14895	27148	19885	107744	14942	5689	71271	16858	26024	43405
MEAN	75.9	501	480	876	710	3476	498	184	2376	544	839	1447
MAX	106	1700	1210	2160	1450	11300	1120	339	13600	1330	2480	4760
MIN	66	66	220	369	427	899	274	118	162	254	235	303
CFSM	.11	.72	.69	1.25	1.01	4.96	.71	.26	3.39	.78	1.20	2.06
IN.	.12	.80	.79	1.44	1.06	5.72	.79	.30	3.78	.89	1.38	2.30

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2001, BY WATER YEAR (WY)

MEAN	575	869	1392	2060	2107	2247	2097	1325	892	714	607	656
MAX	2574	2354	4218	4909	5288	3986	7713	5400	2376	1940	1960	2277
(WY)	1976	1986	1972	1993	1990	1980	1980	1991	2001	1979	1975	1979
MIN	75.9	242	480	450	271	481	356	135	153	115	115	103
(WY)	2001	1982	2001	1981	2000	2000	2000	2000	2000	2000	2000	2000

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1972 - 2001

ANNUAL TOTAL	100682	365254	
ANNUAL MEAN	275	1001	
HIGHEST ANNUAL MEAN			1291
LOWEST ANNUAL MEAN			2307
HIGHEST DAILY MEAN	2000	Mar 20	13600
LOWEST DAILY MEAN	65	Aug 27	66
ANNUAL SEVEN-DAY MINIMUM	68	Oct 29	68
MAXIMUM PEAK FLOW			13800
MAXIMUM PEAK STAGE			22.92
INSTANTANEOUS LOW FLOW			64
ANNUAL RUNOFF (CFSM)	.39	1.43	1.84
ANNUAL RUNOFF (INCHES)	5.34	19.38	25.02
10 PERCENT EXCEEDS	614	2100	2820
50 PERCENT EXCEEDS	187	519	689
90 PERCENT EXCEEDS	75	103	228

e Estimated

PASCAGOULA RIVER BASIN

02479300 RED CREEK AT VESTRY, MS

LOCATION.--Lat 30°44'08", long 88°46'41", in SW1/4 SW1/4 sec.34, T.3 S., R.8 W., St. Stephens Meridian, George County, Hydrologic Unit 03170007, located on downstream side of right main pile cluster 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.

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

GAGE.--Water-stage recorder. Datum of gage is 20.10 ft above sea level.

REMARKS.--Estimated daily discharge: June 13-18. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

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)
Mar. 5	1015	13,000	17.00	Jun. 15	----	*unknown	*unknown

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77	63	306	500	957	710	750	198	109	481	713	668
2	75	64	278	412	742	686	598	189	113	623	1490	1270
3	74	64	257	361	573	1770	507	196	128	488	918	1070
4	72	64	243	328	482	6800	457	216	129	387	521	1310
5	71	68	231	306	427	12500	425	200	145	440	405	1170
6	71	76	221	289	388	8690	398	182	208	448	392	882
7	74	94	214	275	359	5160	372	171	305	410	477	842
8	76	118	208	267	337	2670	350	164	817	353	507	898
9	73	126	202	262	327	1350	332	169	1120	338	665	1070
10	72	147	198	272	602	1130	317	275	1080	291	654	2210
11	72	157	194	284	670	1080	301	362	3590	255	713	1710
12	73	144	188	280	601	1170	287	271	5050	269	1630	965
13	77	142	185	281	495	2530	274	221	e7030	505	2490	649
14	73	136	266	276	432	3170	265	192	e12900	469	1890	480
15	69	131	491	332	408	2860	256	171	e13000	407	1220	388
16	68	127	454	852	411	2370	279	158	e2320	345	738	331
17	67	184	432	1330	383	1800	394	148	e1150	283	547	300
18	66	310	403	1450	360	1390	377	140	e760	245	604	448
19	69	718	381	1100	336	1100	328	136	576	218	511	422
20	67	1060	372	1080	316	882	281	135	488	201	431	674
21	66	817	343	929	300	765	255	132	492	189	397	843
22	66	610	355	734	289	679	237	129	600	181	355	652
23	66	452	394	602	280	607	225	124	696	187	308	457
24	66	375	376	514	270	549	218	121	723	197	268	359
25	65	1020	341	455	267	511	262	117	611	189	240	309
26	64	1170	304	412	326	501	366	114	434	232	235	274
27	63	750	284	385	451	481	313	112	357	1190	220	253
28	63	532	474	386	694	489	269	111	420	1200	310	237
29	63	418	832	415	---	895	235	114	388	1140	298	223
30	63	351	782	811	---	1160	213	112	335	724	297	209
31	63	---	648	1220	---	974	---	109	---	517	420	---
TOTAL	2144	10488	10857	17400	12483	67429	10141	5189	56074	13402	20864	21573
MEAN	69.2	350	350	561	446	2175	338	167	1869	432	673	719
MAX	77	1170	832	1450	957	12500	750	362	13000	1200	2490	2210
MIN	63	63	185	262	267	481	213	109	109	181	220	209
CFSM	.16	.79	.79	1.27	1.01	4.93	.77	.38	4.24	.98	1.53	1.63
IN.	.18	.88	.92	1.47	1.05	5.69	.86	.44	4.73	1.13	1.76	1.82

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2001, BY WATER YEAR (WY)

	MEAN	400	550	921	1287	1439	1430	1212	867	591	538	553	566
MAX	1801	1798	3933	3597	3478	3049	4692	4464	2159	1855	2994	2208	
(WY)	1976	1962	1962	1998	1990	1961	1980	1991	1959	1989	1987	1998	
MIN	69.2	118	266	266	227	361	204	115	97.9	102	108	97.9	
(WY)	2001	1964	1982	1981	2000	2000	1963	2000	2000	2000	2000	2000	

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1958 - 2001

	73466	248044	858
ANNUAL TOTAL	73466	248044	858
ANNUAL MEAN	201	680	1492
HIGHEST ANNUAL MEAN			200
LOWEST ANNUAL MEAN			1980
HIGHEST DAILY MEAN	1800	Mar 20	25100
LOWEST DAILY MEAN	63	Oct 27	63
ANNUAL SEVEN-DAY MINIMUM	63	Oct 26	63
MAXIMUM PEAK FLOW		unknown	28000
MAXIMUM PEAK STAGE		unknown	21.48
INSTANTANEOUS LOW FLOW		62	62
ANNUAL RUNOFF (CFSM)	.46	1.54	1.95
ANNUAL RUNOFF (INCHES)	6.20	20.92	26.44
10 PERCENT EXCEEDS	375	1160	1860
50 PERCENT EXCEEDS	140	357	457
90 PERCENT EXCEEDS	77	77	176

e Estimated

PASCAGOULA RIVER BASIN

85

02479310 PASCAGOULA RIVER AT GRAHAM FERRY, MS

LOCATION.--Lat 30°36'38", long 88°38'28", in NE1/4 SE1/4 sec.38, T.5 S., R.7 W., St. Stephens Meridian, Jackson County, Hydrologic Unit 03170006, County Code 059, at State Highway 614 bridge at Graham Ferry Mississippi, about 5 mi west southwest of Wade, Mississippi and about 34.4 mi upstream of the Gulf of Mexico.

DRAINAGE AREA.--8,204 mi².

PERIOD OF RECORD.--October 1993 to current year. Occasional discharge measurements since 1958.

REVISIONS.--The minimum instantaneous discharge for water year 2000 has been revised to 300 ft³/s, Aug. 20, 2000. The minimum daily discharge for water year 2000 has been revised to 1,060 ft³/s, Aug. 21, 2000. Revised daily discharges, in cubic feet per second, for August 2000 are given below. These figures supersede those published in the report for 2000.

Aug. 1 1,280	Aug. 9 1,520	Aug. 17 1,450	Aug. 25 1,210
2 1,660	10 1,410	18 1,370	26 1,250
3 1,850	11 1,480	19 1,240	27 1,330
4 1,770	12 1,610	20 1,170	28 1,340
5 1,750	13 1,830	21 1,060	29 1,340
6 1,640	14 1,820	22 1,070	30 1,120
7 1,650	15 1,660	23 1,100	31 1,140
8 1,610	16 1,550	24 1,110	

MONTH	TOTAL	MEAN	MAX	MIN	CSFM	IN
Aug. 2000	44,390	1,430	1,850	1,060	.17	.20

GAGE.--Water-stage recorder and Acoustic Velocity meter. Datum of gage is sea level.

REMARKS.--Estimated daily discharges: Apr. 17 - May 24, Jul. 26 - Aug. 8 and Sept. 1. Records good above 8,000 ft³/s and fair below 8,000 ft³/s except for estimated daily discharges, which are poor. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge 204,000 ft³/s, Feb. 28, 1961, gage height, 20.1 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1090	936	3950	12700	12400	11800	14100	e5310	3050	6180	e3550	e4470
2	1080	979	3430	12900	15000	12700	12700	e4720	3210	7190	e4400	5630
3	1030	1010	3090	11400	16100	14300	11400	e4240	3500	7250	e7600	6880
4	1050	987	2720	8680	15700	23000	10200	e3940	3840	6350	e7260	8790
5	1010	1080	2490	6760	13600	44300	9280	e3780	3900	5780	e6200	12800
6	1150	977	2320	5550	10700	73600	8960	e3520	3830	6860	e5300	17900
7	1140	1320	2230	5060	8060	97600	10100	e3300	3920	7420	e4400	22800
8	1110	1280	2160	4910	6740	116000	11700	e3130	5210	6370	e4550	27700
9	1010	1800	2060	4940	5970	118000	14100	e3000	9210	5690	4810	33300
10	1120	1700	2070	5120	5970	104000	16300	e2960	11600	5100	6010	39300
11	1250	1800	2020	5540	6670	86200	17700	e3080	16200	4490	6900	44600
12	1310	2470	2090	6220	7720	77400	18100	e3220	26800	4820	9730	46500
13	1350	2810	1780	6650	9160	68900	17600	e3480	39600	5600	12800	42100
14	1240	2600	2160	6310	10000	62000	15000	e3590	53300	5630	15600	33800
15	1200	2280	2520	6000	9970	59800	11400	e3390	61100	5770	18000	25700
16	1110	2110	3180	6320	9130	59100	9070	e3210	57700	5980	18200	18600
17	1110	2150	3590	7590	7760	59500	e8240	e3120	47000	5350	16400	13300
18	1110	2500	3560	9320	6780	60400	e7930	e3020	33300	4670	14200	9850
19	1090	3560	3930	12000	7640	59200	e7450	e2930	22700	4120	11700	8030
20	1020	4870	3760	13500	9780	56000	e7500	e2840	15500	3570	9220	7520
21	1040	5650	3680	14500	11700	51500	e8360	e2740	10900	3290	7740	8540
22	1070	5980	3520	16700	12300	45200	e8270	e2650	8050	3090	7070	8630
23	1200	5570	3530	19300	11800	37400	e6930	e2560	7230	2970	7340	7690
24	1200	4910	3690	21200	9990	28900	e5850	e2470	7260	2930	7080	6550
25	1060	5130	3750	22100	7770	22100	e5260	e2370	7380	2840	6080	5970
26	1070	6640	3550	20800	7610	17300	e5160	2320	6920	e3000	5160	5450
27	1120	6850	3300	16500	10500	14700	e5530	2430	6220	e3200	4520	5090
28	1030	6140	3390	12100	11900	13600	e5380	2400	5580	e3400	4050	4800
29	960	5010	4020	9220	---	14000	e5520	2460	5050	e3850	3880	4400
30	954	4300	5820	8410	---	14800	e5340	2370	5120	e4380	4010	4200
31	954	---	10500	9580	---	15000	---	2610	---	e4340	4020	---
TOTAL	34238	95399	103860	327880	278420	1537800	300430	97160	494180	151480	247780	490890
MEAN	1104	3180	3350	10580	9944	49610	10010	3134	16470	4886	7993	16360
MAX	1350	6850	10500	22100	16100	118000	18100	5310	61100	7420	18200	46500
MIN	954	936	1780	4910	5970	11800	5160	2320	3050	2840	3550	4200
CSFM	.13	.39	.41	1.29	1.21	6.05	1.22	.38	2.01	.60	.97	1.99
IN.	.16	.43	.47	1.49	1.26	6.97	1.36	.44	2.24	.69	1.12	2.23

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2001, BY WATER YEAR (WY)

	MEAN	2935	5657	8967	16910	21710	28060	15120	8945	8112	5588	3917	4638
MAX	4481	15790	16850	56210	40350	49610	25440	25690	20330	13160	7993	16360	
(WY)	2000	1994	1996	1998	1994	2001	1994	1997	1997	1994	2001	2001	
MIN	1104	2037	3336	6502	3741	6743	7225	2384	1497	1374	1432	1330	
(WY)	2001	2000	2000	2000	2000	2000	1999	2000	2000	2000	2000	2000	

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1994 - 2001
ANNUAL TOTAL	1303097	4159517	
ANNUAL MEAN	3560	11400	11240
HIGHEST ANNUAL MEAN			15500
LOWEST ANNUAL MEAN			3751
HIGHEST DAILY MEAN	25900	Apr 10	118000
LOWEST DAILY MEAN	936	Nov 1	936
ANNUAL SEVEN-DAY MINIMUM	969	Oct 29	969
MAXIMUM PEAK FLOW		123000	123000
MAXIMUM PEAK STAGE		17.56	17.56
INSTANTANEOUS LOW FLOW		234	234
ANNUAL RUNOFF (CSFM)	.43	1.39	1.37
ANNUAL RUNOFF (INCHES)	5.91	18.86	18.62
10 PERCENT EXCEEDS	8330	22900	27400
50 PERCENT EXCEEDS	2160	5820	5390
90 PERCENT EXCEEDS	1120	1300	1950

e Estimated

PASCAGOULA RIVER BASIN

02479560 ESCATAWPA RIVER NEAR AGRICOLA, MS

LOCATION.--Lat 30°48'12", long 88°27'31", in SW1/4SW1/4 sec. 2, T. 3 S., R. 5 W., George County, Miss., Hydrologic Unit 03170008, near left bank on downstream side of bridge on County Road 612, 2.5 mi west of Alabama-Mississippi State line, 3.7 mi east of Agricola, Miss., 4.8 mi downstream of old gage at Escatawpa River near Wilmer, Ala, and 6.7 mi west of Wilmer.

DRAINAGE AREA.--562 mi².

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

REVISED RECORD.--WDR AL-84-1: Drainage area. WDR AL-98-1: 1983.

GAGE.--Water-stage recorder. Elevation of gage is 50 ft above sea level, from topographic map.

REMARKS.--Estimated daily discharges: Aug. 10-14, Sept. 14, 16-30. Records good except for periods of estimated record, which are fair.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1929 reached an elevation of approximately 72 ft above sea level, as determined from historical data. Peak discharge of this flood is unknown but probably has not been exceeded since 1929.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e75	66	e330	692	1380	1600	1160	197	235	230	334	225
2	e73	66	e300	601	1060	1530	979	197	217	217	233	237
3	e71	67	e280	536	866	2960	834	225	172	222	184	272
4	69	69	e270	483	749	8700	734	203	139	317	164	432
5	68	85	e265	437	635	13300	655	182	521	393	154	531
6	71	115	254	396	541	13400	592	171	435	386	161	439
7	89	181	247	364	463	10800	540	163	321	334	173	398
8	81	251	240	370	393	7620	497	156	298	362	281	465
9	77	440	236	398	358	4010	466	159	402	410	394	844
10	75	391	231	394	832	2370	437	160	419	336	426	1290
11	74	280	226	392	1320	1930	409	168	1740	246	842	1360
12	73	216	220	392	1160	2150	384	160	4100	479	2050	1400
13	71	179	215	385	875	3970	362	148	4900	618	1890	1200
14	70	210	423	374	699	4360	368	144	4700	484	1060	954
15	69	190	568	435	607	4920	399	137	3140	499	745	685
16	69	192	595	843	540	5730	549	130	1710	472	547	480
17	69	525	602	1520	463	5200	647	125	1260	372	618	341
18	69	690	602	1570	403	3420	546	121	972	265	520	268
19	69	1500	600	1470	363	2390	426	118	714	211	647	245
20	70	1240	555	1650	335	1980	356	116	657	183	703	281
21	70	860	505	1470	324	1720	314	115	543	178	534	252
22	70	605	572	1230	410	1490	289	112	470	200	395	235
23	70	446	586	1020	472	1310	269	109	422	209	318	221
24	68	635	550	880	424	1150	256	106	381	185	289	210
25	67	1490	486	763	381	1050	274	103	362	165	244	205
26	67	1150	434	636	418	1040	275	101	327	288	215	188
27	66	846	413	541	522	1020	262	100	286	513	195	172
28	66	609	715	468	927	1050	241	100	272	389	183	160
29	66	471	941	446	---	1410	224	102	237	342	176	152
30	65	393	904	1180	---	1470	209	104	217	245	175	145
31	66	---	820	1570	---	1350	---	156	---	212	185	---
TOTAL	2193	14458	14185	23906	17920	116400	13953	4388	30569	9962	15035	14287
MEAN	70.7	482	458	771	640	3755	465	142	1019	321	485	476
MAX	89	1500	941	1650	1380	13400	1160	225	4900	618	2050	1400
MIN	65	66	215	364	324	1020	209	100	139	165	154	145
CFSM	.13	.86	.81	1.37	1.14	6.68	.83	.25	1.81	.57	.86	.85
IN.	.15	.96	.94	1.58	1.19	7.70	.92	.29	2.02	.66	1.00	.95

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2001, BY WATER YEAR (WY)

	MEAN	558	831	1155	1784	1976	2096	1668	1249	757	626	552	709
MAX	3528	2587	2597	4452	4280	4383	5986	6818	2572	1668	2675	2386	
(WY)	1999	1980	1983	1998	1990	1979	1983	1991	1978	1994	1975	1974	
MIN	70.7	152	364	365	308	742	465	114	92.8	79.6	111	110	
(WY)	2001	1982	1982	1981	2000	1982	2001	2000	2000	2000	2000	2000	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1974 - 2001

ANNUAL TOTAL	109183					277256							
ANNUAL MEAN	298					760					1159		
HIGHEST ANNUAL MEAN											1922	1980	
LOWEST ANNUAL MEAN											307	2000	
HIGHEST DAILY MEAN	2960				Mar 21	13400		Mar 6	26800		Sep 30 1998		
LOWEST DAILY MEAN	62				Aug 31	65		Oct 30	62		Aug 31 2000		
ANNUAL SEVEN-DAY MINIMUM	66				Oct 27	66		Oct 27	66		Oct 27 2000		
MAXIMUM PEAK FLOW						13800		Mar 6	27800		Sep 30 1998		
MAXIMUM PEAK STAGE						18.60		Mar 6	22.81		Sep 30 1998		
ANNUAL RUNOFF (CFSM)	.53					1.35			2.06				
ANNUAL RUNOFF (INCHES)	7.23					18.35			28.02				
10 PERCENT EXCEEDS	674					1480			2660				
50 PERCENT EXCEEDS	180					391			599				
90 PERCENT EXCEEDS	69					96			181				

e Estimated

02481000 BILOXI RIVER AT WORTHAM, MS

LOCATION.--Lat 30°33'30", long 89°07'10", in NW1/4 NE1/4 sec.6, T.6 S., R.11 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, on downstream side of right main pier of upstream bridge of dual bridges on U.S. Highway 49, 0.8 mi east of Wortham, 1.3 mi downstream from Illinois Central Railroad bridge, 1.1 mi upstream from Saucier Creek, 4.2 mi north of Lyman, and 18.8 mi upstream from mouth.

DRAINAGE AREA.--96.2 mi².

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

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

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

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1948 reached a stage of 25.3 ft present datum, from information by Mississippi Department of Transportation. 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)
Nov. 24	2245	2,190	10.58	Jun. 11	1500	4,760	17.78
Mar. 4	1215	*4,950	*18.24	Jul. 26	1730	3,110	13.33

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	1.1	56	109	171	130	126	13	4.5	82	168	175
2	1.5	1.1	47	89	129	103	100	11	4.1	90	134	251
3	1.4	1.1	41	75	109	2180	83	9.7	5.8	56	112	546
4	1.4	1.1	35	68	93	4770	75	9.6	5.3	44	80	510
5	1.4	1.1	32	62	82	2150	70	22	4.6	68	66	455
6	1.4	1.2	30	58	71	573	63	20	13	121	77	362
7	1.5	1.6	29	53	64	305	55	15	59	101	245	275
8	1.4	1.4	27	51	58	228	49	12	203	61	314	366
9	1.3	2.4	26	47	55	208	45	10	412	45	271	482
10	1.3	2.4	25	43	144	222	42	32	219	32	220	698
11	1.3	3.0	23	41	179	180	37	48	3240	27	465	441
12	1.2	2.4	21	45	121	730	34	28	2290	25	600	280
13	1.2	2.2	22	47	93	1070	31	19	918	152	786	193
14	1.2	2.2	163	45	83	587	29	14	273	160	426	140
15	1.2	2.3	170	270	87	470	27	11	182	78	499	110
16	1.2	7.9	127	780	80	375	36	8.7	125	48	424	88
17	1.2	66	116	632	68	221	42	7.3	83	33	236	322
18	1.2	284	87	390	58	215	38	6.4	58	23	206	440
19	1.1	871	83	294	52	194	30	5.8	97	17	163	418
20	1.1	389	76	330	47	162	24	5.4	136	13	135	435
21	1.1	144	72	219	67	140	21	5.1	96	12	106	259
22	1.1	72	117	168	115	122	19	4.8	82	11	81	170
23	1.2	43	111	140	62	107	17	4.5	71	9.4	63	127
24	1.1	799	86	122	50	94	19	4.3	53	9.0	50	105
25	1.1	1210	69	107	47	90	50	4.3	38	189	41	86
26	1.1	309	57	92	52	91	53	4.0	29	1600	34	72
27	1.1	172	113	82	54	80	38	3.8	27	961	29	60
28	1.1	121	377	80	91	160	27	4.2	46	358	40	50
29	1.1	91	295	88	---	369	20	4.3	57	250	101	42
30	1.1	70	185	361	---	236	16	3.9	64	244	135	36
31	1.1	---	135	286	---	163	---	4.1	---	180	124	---
TOTAL	38.2	4675.5	2853	5274	2382	16725	1316	355.2	8895.3	5099.4	6431	7994
MEAN	1.23	156	92.0	170	85.1	540	43.9	11.5	297	164	207	266
MAX	1.5	1210	377	780	179	4770	126	48	3240	1600	786	698
MIN	1.1	1.1	21	41	47	80	16	3.8	4.1	9.0	29	36
CFSM	.01	1.62	.96	1.77	.88	5.61	.46	.12	3.08	1.71	2.16	2.77
IN.	.01	1.81	1.10	2.04	.92	6.47	.51	.14	3.44	1.97	2.49	3.09

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2001, BY WATER YEAR (WY)

	MEAN	68.5	117	217	317	338	335	256	179	110	123	135	160
MAX	606	466	625	1091	986	920	997	1129	587	592	715	768	
(WY)	1986	1980	1962	1998	1983	1980	1980	1991	1959	1989	1987	1998	
MIN	1.23	4.37	24.1	15.9	40.0	34.1	24.0	4.47	2.84	4.64	7.05	5.35	
(WY)	2001	1982	1959	1981	2000	1955	1963	2000	2000	2000	1954	1954	

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1953 - 2001

	ANNUAL TOTAL	16592.6	62038.6	
ANNUAL MEAN	45.3	170	196	
HIGHEST ANNUAL MEAN			364	1983
LOWEST ANNUAL MEAN			28.7	2000
HIGHEST DAILY MEAN	1210	Nov 25	4770	Mar 4
LOWEST DAILY MEAN	1.1	Oct 19	1.1	Oct 19
ANNUAL SEVEN-DAY MINIMUM	1.1	Oct 24	1.1	Oct 24
MAXIMUM PEAK FLOW			4950	Mar 4
MAXIMUM PEAK STAGE			18.24	Mar 4
INSTANTANEOUS LOW FLOW			1.1	Oct 16a
ANNUAL RUNOFF (CFSM)	.47		1.77	
ANNUAL RUNOFF (INCHES)	6.42		23.99	
10 PERCENT EXCEEDS	114		382	
50 PERCENT EXCEEDS	10		67	
90 PERCENT EXCEEDS	1.4		1.5	

a Also occurred on Oct. 17,18,19,20,21,22,23,24-31 and Nov. 1-3, 4,5,6.

02481510 WOLF RIVER NEAR LONDON, MS

LOCATION.--Lat 30°29'01", long 89°16'19", in NE1/4 NE1/4 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 11.1 mi northwest of Landon.

DRAINAGE AREA.--308 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 14.34 ft above sea level. Prior to Oct. 18, 1978, at datum 7.00 ft higher. Oct. 18, 1978 to Oct. 15, 1990, at datum 5.00 ft higher.

REMARKS.--Estimated daily discharges: Oct. 1-11, Jan. 24 - Feb. 13, and Jul. 6-9. Records good except for estimated discharges, which are poor. Satellite telemeter at station.

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)
Mar. 4	1330	*12,800	*23.60	Jun. 11	1300	10,900	21.85
Mar. 12	2015	4,030	13.86				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e17	11	173	315	e603	887	482	82	53	188	946	858
2	e17	11	149	255	e443	632	377	75	77	154	968	831
3	e17	11	131	217	e389	5260	318	71	63	132	566	1270
4	e16	11	120	192	e337	12300	286	77	52	381	392	1300
5	e16	12	113	175	e310	7990	266	81	76	543	341	1220
6	e15	16	103	164	e291	2460	247	74	163	e357	423	977
7	e18	27	97	153	e274	1320	223	70	1000	e261	512	643
8	e17	33	92	147	e259	880	204	68	1970	e209	743	754
9	e17	47	88	140	e252	754	190	186	2630	e194	982	1110
10	e16	49	85	143	e420	836	178	234	1580	161	581	1430
11	e16	51	80	149	e504	728	165	201	7430	190	715	999
12	16	43	76	158	e360	1880	153	135	7850	475	1720	638
13	15	45	76	162	e290	3290	141	103	5930	615	1700	488
14	15	48	321	155	255	2010	132	84	2090	325	1250	397
15	16	39	474	471	275	1640	125	73	1450	218	1140	324
16	15	67	375	1160	264	1530	140	66	878	162	868	294
17	15	176	337	1300	234	1110	210	61	524	131	1420	264
18	14	635	305	1140	221	901	201	57	367	108	750	776
19	14	1740	274	858	195	708	158	55	280	95	516	952
20	14	1300	250	906	181	566	130	52	241	86	454	1050
21	14	720	227	713	168	485	115	50	378	84	366	659
22	14	398	281	519	174	425	104	48	456	109	317	452
23	13	268	308	414	166	380	96	48	606	144	286	343
24	13	920	255	e337	153	344	110	46	432	122	257	312
25	12	1790	210	e314	150	328	167	45	261	216	231	285
26	12	1010	179	e298	228	333	170	44	189	1860	209	260
27	12	541	225	e286	391	313	168	43	157	2600	187	230
28	12	349	537	e277	723	446	134	44	210	1460	202	208
29	11	262	859	e274	---	1020	108	45	207	1200	264	197
30	11	208	656	e473	---	912	93	43	175	644	248	185
31	11	---	426	e770	---	627	---	45	---	493	710	---
TOTAL	451	10838	7882	13035	8510	53295	5591	2406	37775	13917	20264	19706
MEAN	14.5	361	254	420	304	1719	186	77.6	1259	449	654	657
MAX	18	1790	859	1300	723	12300	482	234	7850	2600	1720	1430
MIN	11	11	76	140	150	313	93	43	52	84	187	185
MED	15	59	225	286	269	880	166	66	372	209	516	640
CFSM	.05	1.17	.83	1.37	.99	5.58	.61	.25	4.09	1.46	2.12	2.13
IN.	.05	1.31	.95	1.57	1.03	6.44	.68	.29	4.56	1.68	2.45	2.38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2001, BY WATER YEAR (WY)

	MEAN	214	378	627	1015	1055	1080	917	647	356	405	390	422
MAX	1231	957	1511	3291	2489	2424	3008	2641	1259	1513	1778	1676	
(WY)	1986	1990	1984	1998	1990	1980	1980	1991	2001	1979	1975	1973	
MIN	14.5	41.6	129	122	87.1	130	101	33.1	27.8	22.4	27.0	28.5	
(WY)	2001	2000	2000	1981	2000	2000	2000	2000	2000	2000	2000	2000	

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1971 - 2001
ANNUAL TOTAL	37327	193670	
ANNUAL MEAN	102	531	622
HIGHEST ANNUAL MEAN			943
LOWEST ANNUAL MEAN			73.0
HIGHEST DAILY MEAN	1790	Nov 25	18700
LOWEST DAILY MEAN	11	Jul 15	11
ANNUAL SEVEN-DAY MINIMUM	11	Oct 29	11
MAXIMUM PEAK FLOW		12800	24500
MAXIMUM PEAK STAGE		23.60	28.85
ANNUAL RUNOFF (CFSM)	.33	1.72	2.02
ANNUAL RUNOFF (INCHES)	4.51	23.39	27.43
10 PERCENT EXCEEDS	242	1140	1450
50 PERCENT EXCEEDS	45	248	265
90 PERCENT EXCEEDS	14	18	72

e Estimated

PEARL RIVER BASIN

89

02481880 PEARL RIVER AT BURNSIDE, MS

LOCATION.--Lat 32°50'29", long 89°05'51", in NE1/4 NE1/4 sec.6, T.11 N., R.12 E., Choctaw Meridian, Neshoba County, Hydrologic Unit 03180001, on right bank at downstream edge of roadway at bridge on State Highway 15, 2.4 mi upstream from Illinois Central and Gulf railroad, 4.8 mi north of Philadelphia and 0.9 mi south of Burnside.

DRAINAGE AREA.--520 mi².

PERIOD OF RECORD.--January 1981 to current year. Daily mean gage heights published since October 1984.

GAGE.--Water-stage recorder. Datum of gage is 376.30 ft above sea level.

REMARKS.--Estimated daily discharges: Oct. 9 - Nov. 8 and Apr. 22-23. Records good except for estimated daily discharges, which are poor. Telemeter and satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge observed, 70,600 ft³/s, Apr. 13, 1979, gage height, 23.31 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)
Dec. 29	1900	5,040	14.40	Mar. 5	0500	*7,670	*15.30
Jan. 21	1400	5,390	14.53	Mar. 16	1830	7,400	15.21

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.63	e.58	163	2170	945	2190	521	72	58	6.5	40	40
2	.66	e.56	156	1590	1040	3140	518	61	123	41	148	251
3	.88	e.56	167	1240	1000	4260	486	53	100	59	135	825
4	1.2	e.56	152	965	943	6750	537	44	68	46	72	2040
5	1.2	e.55	129	764	859	7370	1370	40	145	92	45	2970
6	3.0	e.60	108	596	747	5530	2570	36	160	204	30	2470
7	9.6	e1.9	90	478	618	3570	3530	32	193	219	24	1840
8	5.9	e4.4	75	517	505	2380	2980	28	229	183	19	1370
9	e2.0	81	62	529	398	1750	2280	25	270	196	17	1310
10	e1.9	39	52	569	364	1390	1650	24	324	182	15	1140
11	e1.6	71	42	617	345	1110	1250	36	336	117	18	933
12	e1.3	65	34	643	353	1150	941	42	260	75	84	775
13	e1.1	36	29	645	436	1980	731	40	186	62	261	623
14	e1.0	14	39	669	567	3500	576	29	146	57	392	515
15	e.90	4.6	49	672	845	5070	501	23	109	48	370	441
16	e.80	3.4	89	636	1200	7000	483	17	85	39	282	372
17	e.76	4.7	92	611	1790	6380	450	14	67	31	195	287
18	e.71	8.4	76	588	2450	4320	401	10	53	24	123	199
19	e.70	48	67	886	2530	2760	343	9.4	41	19	85	135
20	e.69	46	59	2490	2180	1880	288	7.7	31	15	72	106
21	e.68	34	54	5100	1830	1480	240	7.4	26	14	67	83
22	e.64	34	51	4510	1530	1280	e200	12	27	23	64	67
23	e.63	26	46	3440	1260	1160	e160	13	23	30	50	53
24	e.62	52	43	2470	1020	988	152	8.3	17	41	41	42
25	e.61	248	41	1810	945	888	190	7.9	14	31	33	34
26	e.61	333	39	1390	848	817	206	8.2	12	22	29	29
27	e.60	434	97	1090	786	742	170	7.2	9.0	16	24	27
28	e.60	484	588	866	1210	658	128	7.2	6.7	14	19	22
29	e.60	412	3830	727	---	573	102	6.3	5.2	12	17	19
30	e.59	264	4340	847	---	534	85	6.7	4.6	9.9	46	16
31	e.58	---	3080	848	---	519	---	15	---	9.1	47	---
TOTAL	43.29	2751.81	13939	40973	29544	83119	24039	742.3	3128.5	1937.5	2864	19034
MEAN	1.40	91.7	450	1322	1055	2681	801	23.9	104	62.5	92.4	634
MAX	9.6	484	4340	5100	2530	7370	3530	72	336	219	392	2970
MIN	.58	.55	29	478	345	519	85	6.3	4.6	6.5	15	16
CFSM	.00	.18	.86	2.54	2.03	5.16	1.54	.05	.20	.12	.18	1.22
IN.	.00	.20	1.00	2.93	2.11	5.95	1.72	.05	.22	.14	.20	1.36

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2001, BY WATER YEAR (WY)

	MEAN	66.6	360	847	1308	1571	1298	1188	620	245	152	76.5	50.7
MAX	295	1071	3408	3099	3661	3149	3686	4021	1148	906	342	634	
(WY)	1995	1990	1983	1990	1983	1983	1983	1997	1989	1982	2001		
MIN	.94	3.65	7.83	93.8	109	281	70.4	16.7	2.15	3.90	2.73	.73	
(WY)	1988	1988	1988	2000	2000	2000	1986	1988	1988	2000	1999	2000	

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1981 - 2001

	ANNUAL TOTAL	107681.95	222115.40	658
ANNUAL MEAN	294	609	1732	1983
HIGHEST ANNUAL MEAN			141	1988
LOWEST ANNUAL MEAN			34600	May 21 1983
HIGHEST DAILY MEAN	16100	Apr 4	7370	Mar 5
LOWEST DAILY MEAN	.29	Sep 20	.55a	Nov 5
ANNUAL SEVEN-DAY MINIMUM	.36	Sep 1	.57	Oct 30
MAXIMUM PEAK FLOW			7670	Mar 5
MAXIMUM PEAK STAGE			15.30	Mar 5
ANNUAL RUNOFF (CFSM)	.57		1.17	
ANNUAL RUNOFF (INCHES)	7.70		15.89	
10 PERCENT EXCEEDS	417		1830	
50 PERCENT EXCEEDS	22		92	
90 PERCENT EXCEEDS	.60		3.2	
			4.2	

e Estimated

a May have been lower during periods of estimated record.

PEARL RIVER BASIN

02481880 PEARL RIVER AT BURNSIDE, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.76	4.61	7.60	13.01	11.68	13.00	10.25	5.96	5.65	4.40	5.16	5.19
2	3.76	4.64	7.53	12.57	11.86	13.57	10.24	5.74	6.79	5.28	7.02	7.72
3	3.82	4.67	7.64	12.16	11.80	14.08	10.06	5.57	6.43	5.66	6.85	11.41
4	3.87	4.71	7.48	11.71	11.68	14.99	10.26	5.39	5.88	5.40	5.84	13.01
5	3.89	4.75	7.18	11.20	11.48	15.20	12.27	5.30	7.08	6.19	5.30	13.78
6	4.07	4.79	6.86	10.60	11.15	14.57	13.22	5.22	7.29	7.74	4.98	13.58
7	4.42	4.79	6.57	10.01	10.70	13.78	13.77	5.12	7.68	7.89	4.82	13.14
8	4.29	4.73	6.31	10.23	10.16	13.15	13.49	5.03	8.07	7.47	4.71	12.67
9	4.13	6.36	6.05	10.29	9.51	12.72	13.08	4.97	8.48	7.62	4.65	12.57
10	4.17	5.56	5.85	10.49	9.27	12.36	12.63	4.93	8.98	7.45	4.60	12.30
11	4.21	6.23	5.65	10.70	9.12	11.98	12.17	5.21	9.15	6.60	4.69	11.90
12	4.14	6.11	5.48	10.81	9.18	12.02	11.66	5.34	8.80	5.90	5.99	11.46
13	4.23	5.51	5.36	10.82	9.76	12.88	11.10	5.30	8.24	5.66	8.31	10.92
14	4.27	4.97	5.58	10.90	10.46	13.75	10.52	5.06	7.58	5.56	9.47	10.39
15	4.26	4.65	5.78	10.91	11.41	14.40	10.14	4.90	6.84	5.36	9.31	9.94
16	4.25	4.57	6.55	10.78	12.10	15.08	10.04	4.77	6.26	5.18	8.54	9.44
17	4.27	4.65	6.61	10.68	12.74	14.89	9.85	4.66	5.83	4.99	7.61	8.71
18	4.33	4.76	6.33	10.58	13.19	14.16	9.53	4.56	5.53	4.82	6.68	7.79
19	4.37	5.77	6.15	11.41	13.24	13.45	9.10	4.54	5.30	4.70	6.08	6.99
20	4.31	5.72	6.00	13.17	13.02	12.94	8.63	4.49	5.08	4.60	5.84	6.56
21	4.37	5.47	5.89	14.42	12.78	12.61	8.17	4.47	4.94	4.58	5.75	6.19
22	4.40	5.47	5.83	14.19	12.52	12.35	---	4.61	4.97	4.81	5.70	5.88
23	4.45	5.28	5.73	13.72	12.19	12.17	---	4.65	4.88	4.97	5.41	5.61
24	4.54	5.79	5.67	13.20	11.82	11.86	7.18	4.50	4.73	5.21	5.22	5.38
25	4.46	8.37	5.63	12.76	11.69	11.63	7.64	4.49	4.64	5.00	5.06	5.19
26	4.38	9.03	5.58	12.36	11.44	11.42	7.82	4.50	4.58	4.78	4.96	5.09
27	4.43	9.75	6.45	11.94	11.27	11.18	7.41	4.47	4.50	4.64	4.82	5.03
28	4.50	10.05	10.44	11.49	12.10	10.88	6.86	4.46	4.42	4.57	4.70	4.90
29	4.51	9.60	13.80	11.09	---	10.52	6.47	4.43	4.35	4.51	4.66	4.83
30	4.56	8.49	14.12	11.44	---	10.32	6.19	4.45	4.31	4.46	5.31	4.75
31	4.61	---	13.54	11.45	---	10.24	---	4.69	---	4.43	5.34	---
MEAN	4.26	6.00	7.14	11.65	11.40	12.84	---	4.90	6.24	5.50	5.92	8.74
MAX	4.61	10.05	14.12	14.42	13.24	15.20	---	5.96	9.15	7.89	9.47	13.78
MIN	3.76	4.57	5.36	10.01	9.12	10.24	---	4.43	4.31	4.40	4.60	4.75

LOCATION.--Lat 32°47'58", long 89°20'08", in SW1/4 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.

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.

GAGE.--Water-stage recorder. Datum of gage is 341.67 ft above sea level. Prior to July 2, 1930, nonrecording gage at site 500 ft upstream at datum 0.12 ft higher. July 2, 1930 to Sept. 20, 1938, nonrecording gage at present site and datum.

REMARKS.--Estimated daily discharges: Mar. 2-3 and Mar. 22-23. Records good except for estimated daily discharges, which are poor. Satellite telemeter and National Weather Service telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood in March 1902 reached a stage of 29.0 ft. from reports of National Weather Service.

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 24	1130	5,200	19.25	Mar. 18	0730	9,060	22.85
Mar. 6	0845	*10,200	*23.37	Apr. 7	0015	9,590	23.10

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	1.5	472	2810	1920	2830	1170	206	139	57	56	213
2	1.8	1.5	345	3410	1740	e3000	1080	174	128	50	69	1800
3	1.7	1.5	260	3120	1450	e5000	988	148	151	46	90	2680
4	1.7	1.6	232	2460	1300	6960	2460	129	178	63	146	2420
5	1.7	1.9	218	1840	1220	9270	8230	116	344	86	129	3480
6	4.7	2.4	204	1420	1150	10100	8850	104	319	83	91	3410
7	14	2.6	184	1190	1080	9130	8790	96	337	145	67	3560
8	17	31	164	1300	992	7280	6920	89	354	204	54	3730
9	16	625	146	1120	890	6010	5970	82	365	205	45	3830
10	10	378	133	1050	882	5110	5270	81	413	197	56	3980
11	7.9	291	119	1020	788	4110	4480	88	461	198	73	3510
12	7.0	232	106	1030	792	3480	3480	82	497	178	391	2620
13	5.8	215	98	997	853	3510	2470	86	458	204	355	1890
14	4.9	180	163	974	863	3570	1870	111	377	144	393	1430
15	4.2	138	161	955	883	5150	1570	102	295	110	437	1110
16	3.5	109	148	927	1220	6220	1460	82	229	89	444	863
17	3.0	127	159	974	2100	8230	1280	65	179	73	388	676
18	2.7	134	180	1000	2170	8860	1130	55	140	61	296	525
19	2.6	160	170	2380	2750	7720	953	49	112	51	216	393
20	2.6	211	151	2920	3050	6430	780	47	94	46	164	305
21	2.6	213	139	3330	3190	5550	637	47	136	39	166	236
22	2.5	180	134	4040	3000	e4900	526	57	151	35	134	191
23	2.4	159	128	4870	2580	e3800	438	65	182	64	117	159
24	2.2	284	120	5160	2140	2710	472	72	163	68	99	188
25	2.0	648	114	4880	2110	2210	474	62	121	60	81	168
26	1.9	623	107	4240	1810	1930	441	50	88	59	66	126
27	1.9	600	156	3320	1710	1750	412	42	69	54	56	105
28	1.8	571	461	2350	2730	1540	363	39	58	47	50	91
29	1.7	574	717	1840	---	1360	303	40	53	41	46	82
30	1.7	555	871	2030	---	1310	250	41	55	37	82	74
31	1.6	---	1390	1830	---	1240	---	74	---	36	153	---
TOTAL	137.0	7251.0	8150	70787	47363	150270	73517	2581	6646	2830	5010	43845
MEAN	4.42	242	263	2283	1692	4847	2451	83.3	222	91.3	162	1462
MAX	17	648	1390	5160	3190	10100	8850	206	497	205	444	3980
MIN	1.6	1.5	98	927	788	1240	250	39	53	35	45	74
CFSM	.00	.27	.29	2.53	1.87	5.36	2.71	.09	.25	.10	.18	1.62
IN.	.01	.30	.34	2.91	1.95	6.18	3.03	.11	.27	.12	.21	1.80

MEAN	176	440	1263	2146	2600	2660	2374	1170	362	392	222	163
MAX	2480	2702	8019	7148	7476	7188	10670	7632	1914	3830	1994	1890
(WY)	1976	1978	1962	1974	1983	1976	1979	1983	1939	1940	1975	1979
MIN	4.42	9.63	61.3	105	206	434	156	50.1	8.62	10.2	5.91	3.69
(WY)	2001	1954	1963	1956	2000	2000	1963	1965	1988	2000	2000	2000

[illegible]

e Estimated

PEARL RIVER BASIN

02482000 PEARL RIVER AT EDINBURG, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.86	.80	6.49	14.50	12.24	14.58	9.79	4.57	3.99	2.51	2.48	4.44
2	.84	.80	5.62	15.86	11.69	---	9.44	4.31	3.87	2.39	2.69	10.92
3	.83	.80	4.96	15.24	10.79	---	9.06	4.09	4.11	2.31	2.97	14.19
4	.82	.81	4.70	13.67	10.27	21.56	12.45	3.88	4.32	2.59	3.68	13.55
5	.82	.86	4.58	12.00	9.96	22.95	22.44	3.71	5.62	2.92	3.47	16.02
6	1.09	.93	4.44	10.66	9.70	23.32	22.75	3.57	5.43	2.89	2.99	15.86
7	1.67	.95	4.25	9.84	9.43	22.88	22.72	3.47	5.58	3.66	2.66	16.17
8	1.78	1.65	4.04	10.25	9.08	21.84	21.56	3.37	5.70	4.33	2.46	16.53
9	1.76	7.09	3.85	9.60	8.65	20.57	20.51	3.27	5.78	4.35	2.30	16.73
10	1.51	5.87	3.69	9.33	8.61	19.08	19.37	3.26	6.11	4.26	2.49	17.02
11	1.38	5.19	3.51	9.18	8.18	17.26	17.96	3.35	6.42	4.27	2.71	16.07
12	1.32	4.43	3.36	9.23	8.20	16.02	16.01	3.28	6.64	4.04	5.95	14.07
13	1.24	4.13	3.26	9.10	8.48	16.06	13.69	3.32	6.40	4.34	5.70	12.13
14	1.18	3.72	4.02	9.00	8.53	16.19	12.07	3.66	5.86	3.66	5.97	10.71
15	1.11	3.26	4.01	8.92	8.61	19.15	11.18	3.54	5.24	3.25	6.27	9.53
16	1.05	2.91	3.86	8.81	9.81	20.77	10.82	3.27	4.62	2.97	6.32	8.52
17	1.00	3.14	3.99	9.01	12.74	22.44	10.19	3.03	4.05	2.75	5.94	7.63
18	.97	3.22	4.21	9.13	12.92	22.76	9.61	2.87	3.61	2.57	5.25	6.80
19	.96	3.51	4.11	13.17	14.40	22.15	8.91	2.76	3.27	2.41	4.47	5.97
20	.95	4.08	3.90	14.78	15.08	21.10	8.14	2.72	3.04	2.32	3.88	5.32
21	.95	4.10	3.76	15.69	15.39	19.84	7.43	2.74	3.56	2.18	3.90	4.73
22	.94	3.73	3.71	17.12	14.98	---	6.81	2.91	3.73	2.09	3.54	4.28
23	.93	3.51	3.62	18.67	13.99	---	6.28	3.04	4.08	2.60	3.32	3.93
24	.90	4.66	3.53	19.19	12.84	14.28	6.49	3.13	3.87	2.67	3.10	4.24
25	.87	7.49	3.45	18.69	12.77	13.05	6.50	2.98	3.38	2.55	2.85	4.04
26	.86	7.36	3.37	17.51	11.92	12.28	6.29	2.78	2.96	2.53	2.65	3.56
27	.86	7.24	3.89	15.66	11.61	11.72	6.10	2.65	2.68	2.46	2.50	3.29
28	.85	7.07	6.37	13.40	14.34	11.09	5.76	2.57	2.53	2.34	2.38	3.11
29	.84	7.09	7.84	12.01	---	10.48	5.31	2.59	2.44	2.21	2.32	2.98
30	.83	6.98	8.56	12.55	---	10.28	4.90	2.61	2.47	2.13	2.87	2.86
31	.82	---	10.53	11.97	---	10.05	---	3.11	---	2.11	3.76	---
MEAN	1.06	3.91	4.63	12.70	11.26	---	11.68	3.24	4.38	2.92	3.67	9.17
MAX	1.78	7.49	10.53	19.19	15.39	---	22.75	4.57	6.64	4.35	6.32	17.02
MIN	.82	.80	3.26	8.81	8.18	---	4.90	2.57	2.44	2.09	2.30	2.86

02482550 PEARL RIVER NEAR CARTHAGE, MS

LOCATION.--Lat 32°42'28", long 89°31'35", in NE1/4 NE1/4 sec.24, T.10 N., R.7 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, on left bank at downstream side of bridge on State Highway 35, 2.1 mi south of Carthage, 4.0 mi downstream from Lobutch Creek, 10.8 mi upstream from Tuscolameta Creek, and at mile 366.3.

DRAINAGE AREA.--1,346 mi².

PERIOD OF RECORD.--September 1962 to current year. Daily mean gage heights published since October 1971.

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

GAGE.--Water-stage recorder. Datum of gage is 315.24 ft above sea level.

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

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.--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)
Mar. 7	1100	12,900	20.99	Apr. 6	1230	*20,500	*23.06
Mar. 19	1300	12,100	20.63				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	36	779	3030	2730	4310	2050	471	284	151	138	292
2	36	36	630	3630	2630	5100	1930	413	396	143	164	1980
3	35	36	493	3760	2360	6940	1780	368	354	183	152	3830
4	35	35	409	3390	2020	9580	1770	331	375	179	151	3860
5	35	36	369	2590	1800	11300	7980	297	779	161	187	3830
6	46	39	346	2020	1660	12300	19100	271	1200	170	181	4170
7	65	40	325	1710	1560	12700	16700	249	817	231	159	4410
8	64	49	301	2060	1450	12200	13700	232	666	276	141	4400
9	56	1370	278	2010	1350	10600	11200	220	786	298	135	4330
10	54	1420	258	1780	1350	8750	9080	222	819	282	124	4280
11	53	770	241	1680	1280	6950	7410	221	849	275	133	4430
12	50	464	223	1710	1240	5660	5890	206	771	278	855	4250
13	48	346	223	1610	1470	5460	4450	201	700	348	607	3550
14	46	277	287	1510	1740	5330	3380	193	602	339	555	2410
15	45	226	402	1470	1780	7520	2800	203	491	295	547	1780
16	43	193	381	1420	2060	9060	2690	191	394	276	572	1430
17	43	198	350	1460	3310	10900	2450	175	314	224	561	1160
18	42	241	337	1530	3440	11700	2150	160	259	188	497	932
19	41	250	332	3140	3530	11900	1890	147	222	166	389	764
20	41	288	309	4740	3700	10700	1620	140	194	152	302	646
21	40	307	287	5100	3780	8870	1350	140	181	143	293	522
22	39	281	275	5610	3770	7370	1120	148	202	136	260	434
23	38	240	266	5990	3480	5990	947	152	211	126	229	371
24	38	283	256	6230	2910	4690	875	152	229	132	200	335
25	38	1110	244	6250	2800	3730	931	149	209	136	178	353
26	37	1480	234	5880	2530	3110	880	139	177	132	160	319
27	37	1340	253	5000	2310	2780	804	128	154	133	147	273
28	37	1170	615	3810	3620	2540	725	121	142	129	146	243
29	36	1050	1310	2910	---	2300	633	116	131	123	134	221
30	36	932	1690	3070	---	2210	543	115	123	119	154	204
31	36	---	2220	2950	---	2160	---	138	---	119	284	---
TOTAL	1326	14543	14923	99050	67660	224710	128828	6409	13031	6043	8735	60009
MEAN	42.8	485	481	3195	2416	7249	4294	207	434	195	282	2000
MAX	65	1480	2220	6250	3780	12700	19100	471	1200	348	855	4430
MIN	35	35	223	1420	1240	2160	543	115	123	119	124	204
CFSM	.03	.36	.36	2.37	1.80	5.39	3.19	.15	.32	.14	.21	1.49
IN.	.04	.40	.41	2.74	1.87	6.21	3.56	.18	.36	.17	.24	1.66

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2001, BY WATER YEAR (WY)

	MEAN	375	735	2128	3655	3844	4252	4143	2072	706	529	405	350
MAX	3511	3424	11360	11030	11060	12090	17460	11780	2919	2650	2636	2869	
(WY)	1976	1978	1983	1974	1983	1980	1979	1983	1983	1989	1975	1979	
MIN	39.4	66.7	205	328	358	744	329	151	57.0	58.9	54.6	40.7	
(WY)	1964	1964	1988	2000	2000	2000	1963	1963	1988	2000	2000	2000	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1963 - 2001

ANNUAL TOTAL	260038												
ANNUAL MEAN	710												
HIGHEST ANNUAL MEAN													
LOWEST ANNUAL MEAN													
HIGHEST DAILY MEAN	18900	Apr 7											
LOWEST DAILY MEAN	35	Oct 3											
ANNUAL SEVEN-DAY MINIMUM	36	Sep 29											
MAXIMUM PEAK FLOW													
MAXIMUM PEAK STAGE													
INSTANTANEOUS LOW FLOW													
ANNUAL RUNOFF (CFSM)	.53												
ANNUAL RUNOFF (INCHES)	7.19												
10 PERCENT EXCEEDS	1180												
50 PERCENT EXCEEDS	196												
90 PERCENT EXCEEDS	39												

a Also occurred on Oct. 2, 3-5, 6 and Nov. 1,2,3,4,5.

PEARL RIVER BASIN

02482550 PEARL RIVER NEAR CARTHAGE, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.66	2.64	7.38	12.71	12.17	14.70	10.81	6.59	5.57	4.36	3.88	5.11
2	2.65	2.64	6.81	13.71	11.98	15.61	10.54	6.34	6.17	4.29	4.13	9.85
3	2.64	2.64	6.21	13.91	11.46	17.39	10.19	6.13	5.93	4.66	4.02	14.02
4	2.63	2.64	5.80	13.32	10.75	19.27	10.15	5.94	6.00	4.62	4.01	14.06
5	2.62	2.66	5.58	11.90	10.23	20.25	17.58	5.76	7.48	4.47	4.34	14.03
6	2.84	2.71	5.45	10.73	9.90	20.72	22.78	5.62	8.80	4.54	4.28	14.51
7	3.17	2.73	5.32	10.02	9.64	20.90	22.27	5.48	7.69	4.99	4.08	14.83
8	3.16	2.88	5.17	10.82	9.38	20.67	21.30	5.36	7.17	5.25	3.91	14.81
9	3.03	8.98	5.02	10.71	9.10	19.88	20.17	5.27	7.59	5.35	3.85	14.73
10	3.00	9.32	4.88	10.19	9.09	18.76	18.97	5.29	7.70	5.19	3.74	14.66
11	2.98	7.37	4.75	9.96	8.90	17.42	17.80	5.28	7.80	5.09	3.83	14.85
12	2.92	6.15	4.62	10.03	8.78	16.21	16.44	5.16	7.54	5.05	7.58	14.61
13	2.88	5.54	4.62	9.78	9.42	16.01	14.85	5.12	7.29	5.46	6.71	13.57
14	2.85	5.11	5.07	9.55	10.09	15.87	13.29	5.06	6.93	5.40	6.49	11.55
15	2.82	4.74	5.76	9.44	10.20	17.86	12.30	5.13	6.47	5.13	6.46	10.20
16	2.80	4.48	5.65	9.31	10.79	18.95	12.10	5.04	6.02	5.00	6.57	9.34
17	2.79	4.52	5.47	9.42	13.19	20.01	11.63	4.90	5.60	4.63	6.52	8.59
18	2.78	4.85	5.39	9.59	13.40	20.46	11.02	4.76	5.24	4.34	6.23	7.90
19	2.76	4.92	5.36	12.67	13.55	20.56	10.45	4.64	4.97	4.15	5.68	7.32
20	2.75	5.18	5.22	15.21	13.81	20.19	9.84	4.57	4.75	4.02	5.18	6.87
21	2.74	5.31	5.08	15.62	13.94	19.36	9.24	4.57	4.64	3.93	5.12	6.34
22	2.72	5.14	5.00	16.16	13.93	18.27	8.69	4.65	4.82	3.86	4.90	5.92
23	2.70	4.85	4.94	16.55	13.47	16.97	8.21	4.69	4.89	3.76	4.67	5.59
24	2.69	5.09	4.86	16.78	12.50	15.52	8.00	4.69	5.03	3.83	4.44	5.38
25	2.69	8.38	4.78	16.81	12.30	14.16	8.16	4.66	4.87	3.86	4.25	5.49
26	2.68	9.47	4.70	16.44	11.80	13.08	8.02	4.57	4.61	3.82	4.09	5.28
27	2.67	9.10	4.84	15.50	11.36	12.42	7.79	4.45	4.40	3.83	3.97	4.98
28	2.67	8.63	6.64	13.97	13.66	11.91	7.53	4.37	4.28	3.79	3.96	4.77
29	2.66	8.27	9.01	12.50	---	11.37	7.22	4.32	4.17	3.73	3.84	4.60
30	2.66	7.91	9.97	12.78	---	11.14	6.88	4.31	4.08	3.68	4.03	4.47
31	2.65	---	11.16	12.57	---	11.04	---	4.52	---	3.68	5.06	---
MEAN	2.78	5.50	5.82	12.54	11.39	17.00	12.47	5.07	5.95	4.44	4.83	9.61
MAX	3.17	9.47	11.16	16.81	13.94	20.90	22.78	6.59	8.80	5.46	7.58	14.85
MIN	2.62	2.64	4.62	9.31	8.78	11.04	6.88	4.31	4.08	3.68	3.74	4.47

LOCATION.--Lat 32°35'17", long 89°27'54", in NE1/4 NW1/4 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, 1 mi south of city limits 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.

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.

GAGE.--Water-stage recorder. Datum of gages is 322.70 ft above sea level (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. 9-31, Nov. 1-7, 14-18 and Jul. 16-19. Records good except for estimated daily discharges, which are poor. Discharge computed by combining flow of individually rated channels. Satellite telemeter and National Weather Service telemeter at station.

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)
Mar. 4	1215	*8,710	*27.06	Apr. 6	2215	7,570	26.75
Mar. 17	0145	4,620	25.17				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.7	e11	35	211	1010	1290	376	63	89	41	117	621
2	10	e8.5	32	145	414	3350	278	54	82	33	207	1800
3	9.9	e5.3	30	113	255	6180	227	49	60	38	69	2340
4	8.5	e6.4	32	95	197	8490	478	45	55	61	31	2220
5	8.4	e6.3	30	88	161	7400	3960	39	1070	82	22	1370
6	18	e5.9	30	79	142	5330	6300	37	1210	74	25	507
7	24	e8.2	29	82	128	1700	6540	37	620	80	29	472
8	40	72	29	329	117	514	2730	35	677	59	23	476
9	e29	564	29	560	117	406	639	39	1060	45	351	655
10	e22	546	29	328	386	471	341	334	1640	36	921	370
11	e16	245	30	233	518	388	250	208	1040	30	1840	200
12	e14	75	34	384	345	841	195	87	469	43	2560	125
13	e13	46	37	380	311	1350	170	458	196	296	1300	86
14	e12	e11	56	253	280	1120	217	412	119	254	511	65
15	e12	e13	79	230	249	3670	836	126	77	104	319	53
16	e17	e22	65	236	608	4290	1880	66	58	e45	153	43
17	e13	e38	69	439	2040	4000	1780	45	47	e33	84	39
18	e12	e65	78	793	1860	1530	952	37	38	e26	86	35
19	e9.8	147	58	2270	1240	480	315	30	32	e22	59	36
20	e8.6	343	49	3260	445	366	190	29	30	21	53	45
21	e9.3	199	46	3670	292	466	144	33	29	21	77	54
22	e7.6	86	47	2590	236	415	116	466	35	29	60	46
23	e7.0	54	51	699	197	318	98	556	37	32	48	38
24	e8.3	80	49	344	169	267	198	203	40	25	36	98
25	e8.8	449	47	244	321	524	349	100	33	22	26	145
26	e8.2	474	43	186	211	558	242	64	29	29	22	73
27	e8.5	186	67	162	171	357	149	401	32	87	22	45
28	e8.1	95	431	147	809	262	107	952	36	78	38	35
29	e8.4	57	951	266	---	239	83	300	49	41	55	30
30	e16	39	849	1490	---	374	72	135	47	30	75	27
31	e16	---	459	1650	---	476	---	94	---	27	458	---
TOTAL	413.1	3957.6	3900	21956	13229	57422	30212	5534	9036	1844	9677	12149
MEAN	13.3	132	126	708	472	1852	1007	179	301	59.5	312	405
MAX	40	564	951	3670	2040	8490	6540	952	1640	296	2560	2340
MIN	7.0	5.3	29	79	117	239	72	29	29	21	22	27
CFSM	.03	.32	.31	1.72	1.15	4.51	2.45	.43	.73	.14	.76	.99
IN.	.04	.36	.35	1.99	1.20	5.20	2.73	.50	.82	.17	.88	1.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2001, BY WATER YEAR (WY)

MEAN	106	303	589	1046	1243	1221	1033	497	174	182	109	84.1
MAX	1433	1657	3025	4061	4111	4089	3233	2482	780	2001	752	1244
(WY)	1976	1958	1962	1990	1990	1980	1973	1983	1989	1940	1982	1979
MIN	4.53	9.20	50.0	82.6	61.1	189	47.4	23.9	11.8	12.4	9.00	4.13
(WY)	1955	1954	1939	2000	2000	1967	1967	2000	1972	2000	1956	1954

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1939 - 2001
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ANNUAL TOTAL	39487.3			169329.7				
ANNUAL MEAN	108			464			545	
HIGHEST ANNUAL MEAN							1303	1983
LOWEST ANNUAL MEAN							96.9	2000
HIGHEST DAILY MEAN	4240	Apr	5	8490	Mar	4	32500	Jan
LOWEST DAILY MEAN	2.3	Sep	9	5.3	Nov	3	2.3	Sep
ANNUAL SEVEN-DAY MINIMUM	4.0	Aug	23	7.4	Nov	1	3.3	Sep
MAXIMUM PEAK FLOW					Mar	4	34600	Jan
MAXIMUM PEAK STAGE				27.06	Mar	4	33.00	Jan
ANNUAL RUNOFF (CFSM)	.26			1.13			1.33	
ANNUAL RUNOFF (INCHES)	3.57			15.33			18.03	
10 PERCENT EXCEEDS	188			1160			1430	
50 PERCENT EXCEEDS	30			88			105	
90 PERCENT EXCEEDS	8.1			20			16	

e Estimated

PEARL RIVER BASIN

02483000 TUSCOLAMETA CREEK AT WALNUT GROVE, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.94	11.52	11.58	12.45	15.71	17.14	13.46	11.75	11.72	11.43	11.54	15.12
2	10.97	11.55	11.55	12.15	13.63	22.82	12.98	11.69	11.77	11.39	11.79	19.87
3	10.96	11.56	11.53	11.95	12.89	26.05	12.70	11.64	11.60	11.49	11.54	21.62
4	10.90	11.60	11.58	11.85	12.62	27.00	13.81	11.60	11.55	11.67	11.31	21.07
5	10.88	11.62	11.55	11.82	12.41	26.70	24.17	11.52	16.48	11.91	11.16	18.22
6	11.15	11.67	11.53	11.75	12.30	25.72	26.20	11.48	16.77	11.74	11.30	14.50
7	11.24	11.76	11.51	11.81	12.19	19.14	26.39	11.48	14.12	11.66	11.38	13.29
8	11.41	11.97	11.51	13.18	12.12	14.42	21.78	11.44	14.81	11.65	11.25	13.10
9	11.28	14.67	11.52	13.89	12.12	13.86	15.14	11.44	16.46	11.54	12.95	15.55
10	11.23	13.70	11.53	12.85	13.47	14.34	13.64	12.37	18.31	11.44	15.58	13.86
11	11.18	12.34	11.55	12.62	13.73	13.85	13.16	12.24	15.67	11.38	19.48	12.61
12	11.21	11.77	11.63	13.28	13.13	15.97	12.82	11.85	13.30	11.48	21.51	12.15
13	11.27	11.64	11.69	13.03	13.16	17.73	12.66	12.36	12.34	12.08	17.12	11.89
14	11.29	11.56	11.91	12.60	12.99	16.87	13.07	12.78	12.01	12.24	14.29	11.72
15	11.27	11.59	11.99	12.60	12.80	24.11	15.92	11.89	11.80	11.80	12.65	11.59
16	11.28	11.62	11.80	12.55	14.39	24.84	19.26	11.61	11.68	11.55	12.11	11.45
17	11.30	11.70	11.79	13.45	19.62	24.24	18.43	11.48	11.53	11.42	11.81	11.39
18	11.31	11.78	11.84	14.59	18.43	18.20	15.23	11.37	11.39	11.36	11.78	11.32
19	11.33	11.99	11.75	20.00	16.27	14.17	13.09	11.30	11.32	11.33	11.64	11.34
20	11.37	12.66	11.72	23.06	13.80	13.63	12.61	11.30	11.28	11.34	11.58	11.48
21	11.34	12.13	11.72	23.71	13.07	14.24	12.37	11.34	11.27	11.34	11.60	11.61
22	11.40	11.74	11.74	20.93	12.78	13.89	12.23	12.89	11.35	11.48	11.61	11.48
23	11.42	11.59	11.79	14.92	12.59	13.32	12.11	13.25	11.42	11.51	11.51	11.34
24	11.41	11.81	11.75	13.33	12.45	13.03	12.56	12.49	11.51	11.41	11.38	11.54
25	11.42	13.57	11.74	12.81	13.61	14.45	13.18	11.98	11.40	11.33	11.25	11.58
26	11.47	13.36	11.72	12.51	12.75	14.54	12.73	11.71	11.34	11.39	11.16	11.46
27	11.49	12.27	11.85	12.37	12.56	13.48	12.33	13.12	11.41	11.39	11.17	11.32
28	11.50	11.95	13.55	12.27	16.18	12.99	12.11	15.27	11.45	11.43	11.45	11.22
29	11.48	11.77	15.51	12.92	---	12.85	11.94	12.67	11.64	11.38	11.75	11.14
30	11.55	11.66	14.58	18.10	---	13.59	11.84	12.01	11.47	11.31	11.75	11.08
31	11.48	---	13.14	18.08	---	14.03	---	11.79	---	11.25	13.98	---
MEAN	11.28	12.07	12.00	14.30	13.71	17.46	15.00	12.04	12.67	11.52	12.66	13.23
MAX	11.55	14.67	15.51	23.71	19.62	27.00	26.39	15.27	18.31	12.24	21.51	21.62
MIN	10.88	11.52	11.51	11.75	12.12	12.85	11.84	11.30	11.27	11.25	11.16	11.08

02483500 PEARL RIVER NEAR LENA, MS

LOCATION.--Lat 32°40'02", long 89°38'45", in SE1/4 SE1/4 sec.35, T.10 N., R.6 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, County code 079, at State Highway 25, 2.7 mi south of Highway 16 intersection, 6.1 mi northwest of Lena, about 353.8 mi upstream from the mouth, and 2.8 mi upstream of the confluence with the Yockanookany River. The gage is located approximately 52.0 mi upstream of the Ross Barnett Reservoir Dam.

DRAINAGE AREA.--1981 mi².

PERIOD OF RECORD.--Oct. 1936 to Sept. 1953, Oct. 1994 to current year. Additional gage-height and discharge records are available from the National Weather Service and the U.S. Army Corps of Engineers.

GAGE.--Water-stage recorder. Elevation of gage is 300.00 ft above sea level, from U.S. Army Corps of Engineers levels. Prior to Jan. 1984 at site of old Highway 13 bridge, .3 mi upstream at datum 0.5 ft lower.

REMARKS.--Estimated daily discharges: Aug. 30. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1979, reached a stage of 32.20 ft at datum 0.5 ft lower, and a discharge of 122,000 ft³/s.

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)
Mar. 5	2345	20,200	23.39	Apr. 7	1700	*23,700	*24.44
Mar. 18	0815	16,100	21.44				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	54	1410	5060	5280	6950	2440	704	508	450	200	863
2	51	58	923	5160	4390	8300	2200	634	704	573	380	2350
3	49	56	628	4990	3670	11600	2000	577	781	595	557	5790
4	47	50	462	4430	3080	16100	1890	531	840	611	414	6330
5	48	50	368	3350	2460	19400	6890	495	1250	568	289	6210
6	70	53	308	2320	2050	19900	16700	463	2430	594	270	5670
7	79	53	277	1820	1800	18700	23100	440	2080	698	249	5470
8	77	92	248	2260	1630	16000	22200	429	1670	776	228	5740
9	102	1810	217	2680	1510	13100	17700	415	2130	732	218	5780
10	104	2340	193	2430	1540	11000	12600	446	2660	627	632	5500
11	87	1670	178	2150	1800	9130	9510	738	2620	567	1280	5010
12	77	1030	156	2300	1770	7560	7590	598	2120	537	2210	4730
13	70	812	151	2280	1840	8010	5800	534	1600	595	2650	4200
14	65	623	226	2020	2200	7850	4220	873	1260	803	1740	3050
15	62	430	344	1840	2430	10300	3790	675	980	733	1070	1970
16	60	347	480	1760	3000	13900	4480	514	798	657	912	1490
17	60	316	486	1840	6060	15400	4650	448	679	573	752	1190
18	58	337	491	2300	7410	16000	4070	411	593	441	655	983
19	55	411	545	4720	7460	14500	2950	385	522	345	559	836
20	56	529	656	8600	6650	12600	2110	365	475	283	449	737
21	57	666	794	9570	5690	11300	1650	366	451	247	394	626
22	55	560	798	10500	5270	9820	1350	433	454	209	382	540
23	54	442	601	11000	4860	8140	1150	907	461	187	346	467
24	54	414	409	9900	4070	6530	1090	808	478	177	302	424
25	54	1080	307	8850	3790	5320	1250	557	479	174	264	455
26	54	2010	256	7870	3700	4450	1350	471	450	199	233	472
27	55	2030	262	6810	3070	3580	1190	425	429	212	214	394
28	56	1910	559	5380	4930	3000	1040	1010	416	238	261	340
29	56	1950	1760	3950	---	2590	913	973	385	250	250	302
30	55	1840	3010	4650	---	2430	793	594	381	224	e290	277
31	54	---	4310	5630	---	2560	---	487	---	201	538	---
TOTAL	1931	24023	21813	148420	103410	316020	168666	17706	31084	14076	19188	78196
MEAN	62.3	801	704	4788	3693	10190	5622	571	1036	454	619	2607
MAX	104	2340	4310	11000	7460	19900	23100	1010	2660	803	2650	6330
MIN	47	50	151	1760	1510	2430	793	365	381	174	200	277
MED	56	486	462	4430	3380	9820	2700	514	692	537	382	1340
CFSM	.03	.40	.36	2.42	1.86	5.15	2.84	.29	.52	.23	.31	1.32
IN.	.04	.45	.41	2.79	1.94	5.93	3.17	.33	.58	.26	.36	1.47

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2001, BY WATER YEAR (WY)

	MEAN	231	694	1896	4756	5871	5621	4418	2084	1017	1050	573	392
MAX	940	4421	8928	14570	12920	10310	11520	9072	4860	9383	2233	2607	
(WY)	1995	1949	1949	1949	1946	1944	1938	1953	1997	1940	1946	2001	
MIN	50.0	70.0	250	474	518	1175	1460	268	165	84.5	87.1	58.4	
(WY)	1944	1937	1939	2000	2000	2000	1942	2000	2000	2000	2000	2000	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1937 - 2001

	ANNUAL TOTAL	347380	944533	
ANNUAL MEAN	949	2588	2366	
HIGHEST ANNUAL MEAN			4843	1949
LOWEST ANNUAL MEAN			873	2000
HIGHEST DAILY MEAN	22600	Apr 7	45500	Jan 8 1950
LOWEST DAILY MEAN	35	Sep 6	35	Sep 6 2000
ANNUAL SEVEN-DAY MINIMUM	40	Sep 1	40	Sep 1 2000
MAXIMUM PEAK FLOW			46500	Jan 8 1950
MAXIMUM PEAK STAGE			28.56	Jan 8 1950
INSTANTANEOUS LOW FLOW			30	Sep 6 2000
ANNUAL RUNOFF (CFSM)	48		1.19	
ANNUAL RUNOFF (INCHES)	6.52		17.74	
10 PERCENT EXCEEDS	1790		7500	6500
50 PERCENT EXCEEDS	233		781	754
90 PERCENT EXCEEDS	55		90	118

e Estimated

PEARL RIVER BASIN

02483500 PEARL RIVER NEAR LENA, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.09	4.11	7.49	12.64	12.36	14.68	9.21	5.54	5.06	4.78	4.57	6.22
2	4.10	4.12	6.48	12.77	11.39	15.98	8.83	5.37	5.54	5.09	5.02	8.78
3	4.09	4.12	5.80	12.57	10.58	18.60	8.47	5.23	5.73	5.14	5.47	13.46
4	4.08	4.09	5.43	11.92	9.86	21.40	8.28	5.12	5.87	5.18	5.11	14.04
5	4.09	4.09	5.22	10.66	9.04	23.06	14.41	5.03	6.76	5.08	4.79	13.91
6	4.16	4.10	5.10	9.32	8.44	23.27	21.56	4.95	8.95	5.14	4.74	13.33
7	4.20	4.11	5.04	8.49	8.07	22.75	24.29	4.89	8.34	5.40	4.69	13.11
8	4.19	4.22	4.97	9.23	7.78	21.38	24.03	4.86	7.57	5.59	4.64	13.41
9	4.26	7.90	4.89	9.83	7.55	19.62	22.23	4.82	8.38	5.48	4.62	13.46
10	4.26	9.05	4.83	9.49	7.60	18.24	19.28	4.90	9.24	5.22	5.65	13.15
11	4.22	7.84	4.80	9.08	8.10	16.74	17.06	5.63	9.16	5.07	7.13	12.59
12	4.19	6.53	4.74	9.31	8.05	15.29	15.31	5.28	8.34	5.00	8.86	12.27
13	4.17	6.02	4.73	9.29	8.18	15.73	13.46	5.13	7.38	5.14	9.58	11.62
14	4.15	5.56	4.92	8.86	8.83	15.57	11.61	5.95	6.69	5.66	8.05	10.10
15	4.14	5.08	5.21	8.53	9.20	17.62	11.03	5.47	6.07	5.53	6.70	8.42
16	4.13	4.87	5.56	8.38	10.01	20.16	11.96	5.08	5.64	5.40	6.33	7.50
17	4.13	4.79	5.58	8.54	13.74	21.05	12.17	4.91	5.35	5.24	5.95	6.89
18	4.12	4.84	5.59	9.30	15.14	21.38	11.41	4.81	5.14	4.96	5.71	6.43
19	4.12	5.03	5.72	12.19	15.19	20.49	9.79	4.74	4.97	4.76	5.47	6.08
20	4.12	5.33	5.99	16.26	14.37	19.35	8.44	4.69	4.85	4.65	5.20	5.84
21	4.12	5.67	6.33	17.14	13.36	18.47	7.60	4.69	4.79	4.61	5.06	5.57
22	4.11	5.41	6.34	17.87	12.89	17.33	7.01	4.87	4.80	4.57	5.02	5.36
23	4.11	5.11	5.86	18.25	12.42	15.84	6.58	6.03	4.81	4.54	4.94	5.18
24	4.11	5.04	5.38	17.40	11.46	14.24	6.46	5.79	4.86	4.52	4.83	5.07
25	4.11	6.62	5.12	16.49	11.10	12.95	6.80	5.18	4.86	4.51	4.73	5.14
26	4.11	8.49	4.99	15.59	10.99	11.92	7.01	4.97	4.78	4.57	4.65	5.19
27	4.11	8.54	5.01	14.54	10.14	10.83	6.66	4.85	4.73	4.60	4.61	4.99
28	4.12	8.35	5.75	13.00	12.44	10.03	6.35	6.24	4.69	4.67	4.72	4.85
29	4.12	8.47	8.34	11.30	---	9.45	6.05	6.18	4.61	4.70	4.69	4.75
30	4.11	8.30	10.25	11.96	---	9.20	5.76	5.27	4.60	4.63	---	4.69
31	4.11	---	11.79	12.77	---	9.40	---	5.01	---	4.57	5.42	---
MEAN	4.14	5.86	5.91	12.03	10.65	16.84	11.64	5.21	6.09	4.97	---	8.71
MAX	4.26	9.05	11.79	18.25	15.19	23.27	24.29	6.24	9.24	5.66	---	14.04
MIN	4.08	4.09	4.73	8.38	7.55	9.20	5.76	4.69	4.60	4.51	---	4.69
MED	4.12	5.22	5.43	11.92	10.36	17.33	9.50	5.08	5.44	5.00	---	7.19

02484000 YOCKANOOKANY RIVER NEAR KOSCIUSKO, MS

LOCATION.--Lat 33°01'55", long 89°34'40", in NE1/4 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 sea level, (levels by U. S. Army Corps of Engineers). Prior to Mar. 28, 1939, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges September 1. Records good except for estimated daily discharges, which are poor. Telemeter and satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in December 1932 reached a stage of about 17 ft, from information by U. S. Army Corps of Engineers.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 28	1000	5,240	14.59	Mar. 15	1600	4,440	14.12
Jan. 21	1100	6,430	15.19	Apr. 5	0900	*10,000	*16.60
Mar. 3	1700	3,540	13.51				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	2.1	59	368	662	2320	229	52	661	313	65	e600
2	3.4	2.1	47	215	326	2260	213	52	424	164	46	1560
3	3.3	2.4	38	158	223	3290	185	51	170	83	26	2590
4	3.3	2.8	34	136	180	3430	1810	49	322	591	18	2050
5	3.3	2.5	31	128	156	3390	8550	47	1190	591	14	1450
6	69	2.5	28	127	137	2730	4020	46	914	176	13	519
7	26	3.6	27	180	126	1720	2530	42	373	104	16	425
8	19	177	28	674	114	508	1870	36	635	85	18	396
9	12	1220	30	586	110	332	613	44	756	67	18	495
10	6.9	498	27	327	176	328	279	53	641	26	26	340
11	5.0	92	25	257	233	248	216	40	256	14	48	184
12	4.3	33	25	356	666	1220	173	28	127	31	97	112
13	4.1	18	93	311	1720	3400	176	21	76	261	97	75
14	3.8	12	427	266	2400	3340	268	17	53	379	61	57
15	3.6	9.5	281	325	2720	4330	874	14	35	175	80	46
16	3.5	21	599	271	2830	3830	759	12	24	81	43	39
17	3.4	35	1330	302	2620	3370	376	10	17	48	26	35
18	2.9	30	1510	778	2270	2630	230	9.0	12	32	18	29
19	2.9	64	568	3090	1880	1350	178	12	9.2	27	16	28
20	3.0	63	221	5310	1300	488	149	35	12	20	18	26
21	2.7	43	152	6170	461	749	128	25	13	18	21	23
22	2.7	27	137	4630	293	646	111	27	13	28	19	22
23	2.6	19	108	2580	223	392	98	74	14	36	15	21
24	2.5	903	91	927	189	285	224	51	10	24	13	21
25	2.5	2130	82	337	252	356	269	25	7.3	22	11	27
26	2.6	2270	74	232	287	294	181	16	5.8	21	9.4	24
27	2.7	1140	1790	192	515	217	127	58	4.9	15	9.4	20
28	2.5	250	4940	167	1750	176	95	42	4.4	15	9.3	18
29	2.1	113	4060	283	---	159	77	18	142	15	20	16
30	2.1	75	2810	1040	---	191	57	23	379	14	27	15
31	2.0	---	1440	1170	---	257	---	499	---	62	45	---
TOTAL	213.1	9260.5	21112	31893	24819	48236	25065	1528.0	7300.6	3538	963.1	11263
MEAN	6.87	309	681	1029	886	1556	836	49.3	243	114	31.1	375
MAX	69	2270	4940	6170	2830	4330	8550	499	1190	591	97	2590
MIN	2.0	2.1	25	127	110	159	57	9.0	4.4	14	9.3	15
CFSM	.02	1.02	2.25	3.40	2.93	5.14	2.76	.16	.80	.38	.10	1.24
IN.	.03	1.14	2.59	3.92	3.05	5.92	3.08	.19	.90	.43	.12	1.38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2001, BY WATER YEAR (WY)

	MEAN	81.7	252	566	845	967	953	796	418	168	167	70.9	70.4
MAX	748	1694	3640	3010	2318	3132	3818	2756	1322	1241	492	687	
(WY)	1976	1980	1983	1974	1951	1980	1979	1991	1997	1989	1975	1979	
MIN	5.28	15.3	43.5	49.4	61.8	177	50.4	20.6	11.5	10.7	3.95	4.56	
(WY)	1944	1954	1944	1956	2000	1966	1967	1963	1988	2000	1943	1954	

SUMMARY STATISTICS

	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1938 - 2001
ANNUAL TOTAL	90462.5	185191.3	
ANNUAL MEAN	247	507	444
HIGHEST ANNUAL MEAN			1217
LOWEST ANNUAL MEAN			90.6
HIGHEST DAILY MEAN	10200	Apr 4	34300
LOWEST DAILY MEAN	2.0	Oct 31	2.0
ANNUAL SEVEN-DAY MINIMUM	2.2	Oct 28	2.2
MAXIMUM PEAK FLOW			40700
MAXIMUM PEAK STAGE			23.06
INSTANTANEOUS LOW FLOW			2.0
ANNUAL RUNOFF (CFSM)	.82	1.67	1.46
ANNUAL RUNOFF (INCHES)	11.11	22.74	19.90
10 PERCENT EXCEEDS	313	1770	1220
50 PERCENT EXCEEDS	27	91	91
90 PERCENT EXCEEDS	3.6	6.5	14

e Estimated

a Also occurred on Oct. 30,31 and Nov. 1,2,3.

02484500 YOCKANOOKANY RIVER NEAR OFAHOMA, MS

LOCATION.--Lat 32°42'21", long 89°40'19", in NE1/4 NW1/4 sec.22, T.10 N., R.6 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, near center of main span on downstream side of bridge on State Highway 16, 1.5 mi east of Ofahoma, 3.5 mi upstream from mouth, and 8.5 mi southwest of Carthage.

DRAINAGE AREA.--469 mi².

PERIOD OF RECORD.--October 1943 to current year. Daily mean gage heights published since October 1971. Prior to October 1947 published as Yokahockany River near Ofahoma.

REVISED RECORDS.--WSP 1204: 1948. WSP 1504: 1949. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 306.15 ft above sea level (levels by U. S. Army Corps of Engineers). Prior to June 10, 1988, at datum 5.00 ft. higher. Prior to Sept. 5, 1962, nonrecording gage at same site.

REMARKS.--Estimated daily discharges: Nov. 9-13. Records good except for estimated daily discharges, which are poor. Satellite telemeter and National Weather Service telemeter at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,700 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 31	1730	4,050	19.61	Mar. 4	1300	5,310	20.70
Jan. 23	1430	6,680	21.44	Mar. 16	0715	5,940	21.18
Feb. 18	1800	3,510	18.86	Apr. 6	1530	*12,100	*23.06

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.9	6.6	918	3580	667	1510	326	134	53	191	54	44
2	8.8	6.4	405	2670	887	1880	334	114	191	293	161	302
3	8.7	6.5	224	1820	1050	3660	323	98	293	307	159	791
4	8.7	8.4	165	1030	908	5160	323	86	396	267	88	905
5	8.4	9.7	136	540	599	4580	2840	77	594	190	59	1110
6	12	9.0	118	349	403	4010	10500	70	481	253	46	1530
7	12	9.9	108	316	305	3620	10000	65	467	359	40	1710
8	24	38	99	636	257	3230	5910	61	654	431	36	1540
9	53	e350	93	564	231	2640	3530	59	794	278	35	1140
10	32	e450	89	572	235	1980	2530	65	703	163	37	704
11	23	e750	90	700	230	1280	1840	100	613	123	37	516
12	19	e650	89	802	281	922	1130	79	664	85	37	459
13	16	e450	89	685	473	1370	614	70	630	68	50	376
14	13	309	167	567	671	1550	418	59	391	91	94	210
15	12	133	227	534	959	3760	403	52	183	214	141	122
16	11	86	348	504	1550	5860	541	47	115	280	78	86
17	11	85	412	531	2640	5360	549	44	84	244	76	66
18	10	113	470	552	3410	4190	686	40	66	137	59	54
19	9.8	136	582	1610	3200	3430	715	38	55	86	46	50
20	10	135	832	2800	2590	2920	534	36	47	64	39	53
21	11	166	1060	3400	2130	2350	353	36	43	54	35	44
22	10	148	986	5230	1780	1640	261	45	38	49	34	40
23	9.5	114	604	6470	1410	1070	219	55	41	45	33	35
24	9.0	127	341	5650	890	885	212	54	38	43	33	33
25	8.5	460	235	3760	584	844	206	66	36	46	31	32
26	8.0	601	185	2520	452	677	255	67	35	46	28	30
27	7.8	865	182	1550	452	534	278	52	32	43	26	30
28	7.6	1270	358	814	1330	471	238	43	29	41	26	31
29	6.9	1630	800	523	---	412	188	48	27	38	24	29
30	6.3	1490	1960	694	---	371	156	66	27	37	25	27
31	6.3	---	3780	635	---	345	---	48	---	40	46	---
TOTAL	402.2	10612.5	16152	52608	30574	72511	46412	1974	7820	4606	1713	12099
MEAN	13.0	354	521	1697	1092	2339	1547	63.7	261	149	55.3	403
MAX	53	1630	3780	6470	3410	5860	10500	134	794	431	161	1710
MIN	6.3	6.4	89	316	230	345	156	36	27	37	24	27
CFSM	.03	.75	1.11	3.62	2.33	4.99	3.30	.14	.56	.32	.12	.86
IN.	.03	.84	1.28	4.17	2.43	5.75	3.68	.16	.62	.37	.14	.96

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2001, BY WATER YEAR (WY)

	MEAN	119	319	807	1293	1462	1445	1325	712	239	198	117	92.8
MAX	1073	2132	5617	5142	3433	4278	6209	3690	1234	1461	719	1100	
(WY)	1976	1980	1983	1974	1946	1980	1979	1983	1997	1989	1975	1979	
MIN	10.6	17.5	50.0	62.8	113	309	108	45.6	18.4	18.6	9.20	7.46	
(WY)	1956	1954	1944	1956	2000	2000	1963	1963	1988	2000	1954	1954	

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1944 - 2001

	ANNUAL TOTAL	121389.4	257483.7	673	1868	1983
ANNUAL MEAN	332	705	131	1963		
HIGHEST ANNUAL MEAN						
LOWEST ANNUAL MEAN						
HIGHEST DAILY MEAN	11000	Apr 6	10500	Apr 6	40900	Apr 15 1979
LOWEST DAILY MEAN	6.3	Oct 30	6.3	Oct 30	5.3	Aug 20 1954
ANNUAL SEVEN-DAY MINIMUM	6.7	Oct 28	6.7	Oct 28	6.3	Sep 7 1954
MAXIMUM PEAK FLOW			12100	Apr 6	46500	Apr 14 1979
MAXIMUM PEAK STAGE			23.06	Apr 6	28.27	Apr 14 1979
INSTANTANEOUS LOW FLOW			6.1	Oct 31, Nov. 3	4.9	Aug 20 1954
ANNUAL RUNOFF (CFSM)	.71		1.50		1.44	
ANNUAL RUNOFF (INCHES)	9.63		20.42		19.51	
10 PERCENT EXCEEDS	606		1970		1800	
50 PERCENT EXCEEDS	62		206		172	
90 PERCENT EXCEEDS	10		24		26	

e Estimated

PEARL RIVER BASIN

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02484500 YOCKANOOKANY RIVER NEAR OFAHOMA, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.69	4.66	11.70	18.94	10.66	14.05	8.62	6.95	5.84	7.23	5.61	5.45
2	4.68	4.65	9.02	17.25	11.71	15.19	8.68	6.72	7.50	8.32	6.93	7.87
3	4.68	4.65	7.71	15.01	12.38	18.91	8.60	6.51	8.37	8.40	6.94	11.07
4	4.68	4.74	7.16	12.19	11.79	20.61	8.59	6.36	9.09	8.05	6.12	11.63
5	4.67	4.80	6.86	9.85	10.30	20.15	17.00	6.23	10.28	7.36	5.70	12.51
6	4.79	4.77	6.65	8.67	9.14	19.56	22.59	6.14	9.63	7.86	5.48	14.11
7	4.80	4.81	6.54	8.42	8.47	19.02	22.51	6.05	9.55	8.63	5.37	14.71
8	5.10	5.50	6.43	10.39	8.10	18.39	20.96	6.00	10.59	9.07	5.29	14.13
9	5.77	---	6.35	10.01	7.88	17.20	18.84	5.96	11.29	7.98	5.26	12.64
10	5.34	---	6.29	10.05	7.91	15.52	16.94	6.05	10.84	7.00	5.29	10.73
11	5.15	---	6.31	10.71	7.87	13.22	15.08	6.54	10.38	6.56	5.30	9.73
12	5.04	---	6.29	11.22	8.28	11.86	12.65	6.27	10.65	6.08	5.30	9.40
13	4.94	---	6.30	10.64	9.58	13.63	10.37	6.13	10.47	5.85	5.54	8.85
14	4.87	8.43	7.17	10.02	10.68	14.27	9.25	5.96	9.04	6.15	6.17	7.57
15	4.82	6.89	7.72	9.84	12.00	18.96	9.15	5.84	7.43	7.46	6.75	6.70
16	4.80	6.33	8.66	9.67	14.15	21.14	9.98	5.76	6.73	8.02	6.00	6.24
17	4.79	6.32	9.10	9.82	17.17	20.88	10.03	5.69	6.33	7.72	5.97	5.96
18	4.77	6.68	9.46	9.94	18.69	19.96	10.76	5.63	6.07	6.72	5.70	5.76
19	4.76	6.94	10.10	14.07	18.33	18.99	10.91	5.58	5.89	6.09	5.47	5.70
20	4.78	6.93	11.35	17.57	17.07	18.13	9.94	5.54	5.75	5.78	5.34	5.74
21	4.80	7.25	12.35	18.62	15.94	16.87	8.81	5.54	5.67	5.62	5.27	5.58
22	4.78	7.07	12.03	20.63	14.93	14.85	8.13	5.71	5.58	5.54	5.23	5.50
23	4.76	6.69	10.20	21.34	13.70	12.67	7.77	5.89	5.63	5.45	5.22	5.42
24	4.74	6.80	8.61	20.88	11.70	11.76	7.71	5.88	5.58	5.42	5.21	5.38
25	4.72	9.45	7.80	19.17	10.22	11.52	7.66	6.07	5.55	5.48	5.18	5.34
26	4.70	10.25	7.35	16.89	9.46	10.71	8.08	6.09	5.51	5.48	5.11	5.29
27	4.69	11.53	7.32	14.14	9.42	9.94	8.26	5.84	5.46	5.42	5.07	5.29
28	4.69	13.17	8.70	11.33	13.40	9.58	7.94	5.68	5.40	5.38	5.05	5.31
29	4.66	14.46	11.17	9.88	---	9.20	7.49	5.76	5.35	5.33	5.01	5.28
30	4.63	13.95	15.31	10.80	---	8.94	7.18	6.07	5.34	5.30	5.04	5.23
31	4.63	---	19.23	10.50	---	8.76	---	5.78	---	5.36	5.46	---
MEAN	4.83	---	8.94	13.18	11.82	15.30	11.35	6.01	7.56	6.65	5.56	8.00
MAX	5.77	---	19.23	21.34	18.69	21.14	22.59	6.95	11.29	9.07	6.94	14.71
MIN	4.63	---	6.29	8.42	7.87	8.76	7.18	5.54	5.34	5.30	5.01	5.23

PEARL RIVER BASIN

02485700 HANGING MOSS CREEK AT JACKSON, MS

LOCATION.--Lat 32°21'53", long 90°08'41", in SW1/4 NE1/4 sec.13, T.6 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, on left bank of Hanging Moss Creek, 600 ft east of Old Canton Road, at Parham Bridges Park, 0.7 mi upstream from Whiteoak Creek, and 1.4 mi upstream from the mouth.

DRAINAGE AREA.--16.8 mi².

PERIOD OF RECORD.--October 1952 to September 1980 (annual maximums only). October 1980 to current year. Daily mean gage heights published since October 1980.

REVISED RECORDS.--WDR MS-85-1: 1984, WDR MS-90-1: 1983.

GAGE.--Water-stage recorder. Datum of gage is 260.00 ft above sea level. Prior to May 31, 1961, at datum 72.23 ft lower. From June 1, 1961 to July 10, 1980, at datum 1.33 ft higher. Prior to July 11, 1980, site located 0.6 mi upstream at downstream side of bridge on frontage road, 100 ft downstream from U. S. Highway 51 (Interstate 55).

REMARKS.--Estimated daily discharges: Jan. 29,30, Mar. 5-10, Apr. 7-10, and Aug. 19-27. Occasional backwater from the Pearl River. Records good except for estimated daily discharges, which are poor. Statistics shown below are for water years 1981 to current year, except for instantaneous extremes, which are shown for the entire period of record at the present datum. Telemeter and satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Nov. 8	2045	*3,420	*17.63	Jan. 19	0600	2,740	16.45

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.09	.23	1.8	3.1	8.5	257	4.3	.98	1.6	7.2	5.1	17
2	.08	2.8	1.0	3.3	5.5	741	2.7	.59	.76	1.1	1.1	206
3	.08	1.5	1.5	2.0	4.2	523	3.1	.78	.57	.98	.48	178
4	.07	.45	.80	3.9	3.5	685	2.3	.68	9.1	.57	.29	16
5	.07	.39	.73	5.0	3.3	e50	2.1	.36	7.2	.39	.73	4.0
6	22	1.7	.99	3.3	3.0	e22	1.8	.30	5.5	.49	9.5	2.4
7	1.3	1.2	1.3	7.9	2.9	e10	e1.6	.25	6.7	.27	6.3	1.2
8	.26	565	1.5	6.7	2.8	e7.6	e1.4	.27	7.7	.16	.99	35
9	.14	420	1.3	2.7	12	e7.0	e1.2	.35	4.4	.11	.42	55
10	.13	4.7	2.6	1.9	7.2	e6.7	e.97	.36	4.0	.07	131	11
11	.23	1.6	2.8	36	3.7	5.3	.83	.52	1.7	.07	15	2.4
12	.16	1.2	3.5	12	11	42	.74	2.7	.92	3.8	38	1.3
13	.09	1.4	28	4.4	20	22	5.8	1.9	2.4	7.9	55	.73
14	.07	.96	14	7.3	8.8	155	11	1.0	3.1	1.6	10	.49
15	.12	.91	2.9	4.0	5.5	258	30	.54	4.6	.55	1.5	.40
16	.15	11	5.8	22	261	22	21	.46	2.0	.33	.76	.39
17	.14	3.0	4.3	42	38	11	4.9	.65	1.0	.19	1.3	4.4
18	.11	13	2.4	20	16	6.5	1.9	.63	.81	.10	.47	.76
19	.09	26	1.3	960	7.8	4.9	1.1	.92	.55	.06	e.45	1.3
20	.07	3.8	1.1	32	4.9	4.6	.80	25	.55	.05	e.41	.83
21	.06	1.6	1.9	18	4.3	3.9	.70	22	.43	6.9	e.40	.48
22	.05	1.4	1.3	11	3.5	3.2	.70	29	.66	2.7	e.39	.34
23	.04	1.2	1.1	6.8	2.8	2.7	5.5	3.0	.50	.66	e.38	.27
24	.04	30	1.8	5.2	3.5	22	83	1.9	.50	.38	e.34	.20
25	.07	9.6	1.2	5.7	4.6	30	13	.85	.56	.25	e.32	.17
26	.11	2.6	1.1	4.4	2.5	7.9	3.7	.57	.44	36	e.30	.19
27	.12	1.6	.58	3.8	78	3.3	1.8	.56	73	2.2	e3.0	.19
28	.13	1.5	185	3.4	155	3.0	1.1	1.7	15	.69	1.5	.22
29	.23	4.4	21	e6.0	---	4.9	.96	.94	2.3	2.4	.45	.25
30	.28	2.2	7.0	e30	---	26	1.1	.59	25	2.6	6.8	.23
31	.22	---	3.1	16	---	9.3	---	7.2	---	11	5.2	---
TOTAL	26.80	1116.94	362.12	1289.8	683.8	2956.8	211.10	107.55	183.55	91.77	297.88	541.14
MEAN	.86	37.2	11.7	41.6	24.4	95.4	7.04	3.47	6.12	2.96	9.61	18.0
MAX	22	565	185	960	261	741	83	29	73	36	131	206
MIN	.04	.23	.73	1.9	2.5	2.7	.70	.25	.43	.05	.29	.17
CFSM	.05	2.22	.70	2.48	1.45	5.68	.42	.21	.36	.18	.57	1.07
IN.	.06	2.47	.80	2.86	1.51	6.55	.47	.24	.41	.20	.66	1.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2001, BY WATER YEAR (WY)

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	9.39	22.6	31.7	45.1	43.2	39.3	39.5	15.2	11.3	10.3	8.48	4.65									
MAX	57.3	95.6	201	146	142	95.4	159	49.5	39.8	35.9	31.1	18.0									
(WY)	1986	1990	1983	1994	1994	2001	1983	1990	1997	1989	1982	2001									
MIN	.11	2.01	1.59	1.47	1.68	14.6	1.13	1.17	1.55	.28	.98	.59									
(WY)	1999	1999	1981	1981	2000	1992	1992	1982	1995	2000	1991	1993									

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1981 - 2001
ANNUAL TOTAL	4507.67	7869.25	
ANNUAL MEAN	12.3	21.6	23.3
HIGHEST ANNUAL MEAN			57.5
LOWEST ANNUAL MEAN			9.59
HIGHEST DAILY MEAN	940 Apr 3	960 Jan 19	1780 Dec 4 1982
LOWEST DAILY MEAN	.04 Oct 23	.04 Oct 23	.01 Sep 19 1988
ANNUAL SEVEN-DAY MINIMUM	.06 Oct 19	.06 Oct 19	.04 Sep 2 1998
MAXIMUM PEAK FLOW		3420 Nov 8	5320 Apr 29 1953
MAXIMUM PEAK STAGE		17.63 Nov 8	27.37 Apr 29 1953
INSTANTANEOUS LOW FLOW		.03 Oct 24,25	.01 Nov 16 1987
ANNUAL RUNOFF (CFSM)	.73	1.28	1.39
ANNUAL RUNOFF (INCHES)	9.98	17.42	18.84
10 PERCENT EXCEEDS	10	27	35
50 PERCENT EXCEEDS	.48	2.1	2.0
90 PERCENT EXCEEDS	.12	.21	.28

e Estimated

PEARL RIVER BASIN

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02485700 HANGING MOSS CREEK AT JACKSON, MS

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.83	8.04	8.29	8.47	8.59	10.43	8.34	7.89	8.02	8.50	8.42	8.60
2	7.81	8.34	8.14	8.48	8.45	11.90	8.20	7.78	7.83	8.02	8.00	10.11
3	7.80	8.43	8.23	8.33	8.36	11.31	8.22	7.85	7.75	7.99	7.81	10.04
4	7.79	8.17	8.08	8.53	8.30	11.76	8.16	7.80	8.19	7.85	7.69	8.78
5	7.77	8.12	8.06	8.61	8.28	10.94	8.13	7.67	8.42	7.77	7.81	8.31
6	8.74	8.38	8.14	8.48	8.26	9.52	8.09	7.63	8.29	7.81	8.14	8.15
7	8.40	8.39	8.22	8.68	8.25	9.39	8.76	7.59	8.42	7.68	8.46	7.96
8	8.08	10.97	8.26	8.69	8.24	9.54	9.32	7.60	8.41	7.56	7.98	8.52
9	7.97	10.46	8.21	8.42	8.54	9.16	8.98	7.65	8.30	7.49	7.78	9.40
10	7.96	8.57	8.41	8.32	8.51	8.71	7.96	7.67	8.27	7.40	8.87	8.62
11	8.07	8.28	8.38	9.23	8.31	8.42	7.88	7.75	8.04	7.40	8.76	8.15
12	8.00	8.19	8.50	8.89	8.65	9.22	7.85	7.87	7.87	8.26	9.08	7.97
13	7.89	8.22	8.96	8.57	8.94	8.99	8.31	8.09	7.89	8.60	9.11	7.83
14	7.83	8.14	8.93	8.73	8.60	9.45	8.55	7.91	8.15	8.10	8.63	7.73
15	7.94	8.12	8.44	8.54	8.44	10.21	9.08	7.76	8.28	7.84	8.10	7.69
16	7.99	8.73	8.61	8.98	9.77	8.99	8.93	7.72	8.07	7.72	7.92	7.68
17	7.97	8.43	8.55	9.37	9.24	8.69	8.37	7.79	7.90	7.60	7.91	7.89
18	7.93	8.68	8.38	9.07	8.83	8.48	8.10	7.79	7.84	7.47	7.81	7.83
19	7.89	9.14	8.21	12.20	8.55	8.39	7.95	7.68	7.74	7.37	---	7.93
20	7.85	8.52	8.16	9.18	8.40	8.37	7.86	8.84	7.74	7.36	---	7.86
21	7.81	8.28	8.31	8.90	8.36	8.32	7.82	8.68	7.68	7.93	---	7.73
22	7.78	8.23	8.21	8.69	8.30	8.25	7.82	8.91	7.79	8.22	---	7.65
23	7.75	8.18	8.16	8.52	8.23	8.21	7.92	8.21	7.72	7.88	---	7.60
24	7.73	9.02	8.27	8.43	8.25	8.56	9.57	8.06	7.72	7.76	---	7.54
25	7.83	8.80	8.19	8.46	8.36	9.10	8.70	7.86	7.75	7.67	---	7.51
26	7.92	8.41	8.18	8.38	8.19	8.54	8.28	7.76	7.69	8.70	---	7.53
27	7.93	8.27	9.26	8.33	9.09	8.27	8.07	7.76	8.62	8.19	---	7.53
28	7.94	8.25	10.17	8.30	10.02	8.24	7.94	7.91	8.73	7.89	8.04	7.56
29	8.05	8.51	9.09	---	---	8.31	7.90	7.88	8.18	8.04	7.78	7.58
30	8.09	8.35	8.72	---	---	9.06	7.93	7.77	8.44	8.23	8.12	7.57
31	8.04	---	8.46	8.85	---	8.60	---	8.19	---	8.59	8.37	---
MEAN	7.95	8.55	8.46	---	8.58	9.20	8.30	7.91	8.06	7.90	---	8.10
MAX	8.74	10.97	10.17	---	10.02	11.90	9.57	8.91	8.73	8.70	---	10.11
MIN	7.73	8.04	8.06	---	8.19	8.21	7.82	7.59	7.68	7.36	---	7.51

PEARL RIVER BASIN

02486000 PEARL RIVER AT JACKSON, MS

LOCATION.--Lat 32°16'53", long 90°10'44", in NW1/4 NE1/4 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 1912 (prior to October 1901 and for 1913 water year, gage heights only), August 1928 to current year. Daily mean gage heights published since October 1971. Gage-height records collected at Woodrow Wilson Bridge, 0.6 mi upstream, 1904 to 1971 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 662: Drainage area. WSP 1504: 1903, 1909. WSP 1906: 1902(M). WDR MS-87-1: 1984.

GAGE.--Water-stage recorder. Datum of gage is 233.70 ft above sea level. Prior to Dec. 31, 1913, and Aug. 15, 1928 to Sept. 14, 1934, nonrecording gage. Prior to Oct. 1, 1975, at site at Woodrow Wilson Bridge, 0.6 mi 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 sea level.

REMARKS.--Estimated daily discharges: Dec. 13-22. Records good except for estimated daily discharges, which are poor. 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. Statistics shown below are for water years 1962 to current year except instantaneous extremes, which are shown for the entire period of record. Satellite telemeter and National Weather Service telemeter at station.

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 36 1/2 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	218	217	277	6260	6640	12000	1870	710	436	1400	369	504
2	216	231	276	6290	5930	20300	1320	518	913	886	266	1990
3	214	239	278	6250	4350	27100	1550	359	724	476	252	6800
4	204	223	279	6010	3300	29800	3050	330	545	549	246	8860
5	204	227	279	5510	4850	28600	6470	336	1980	1420	281	9260
6	522	248	277	4700	3920	24600	10400	335	1470	1290	443	8370
7	316	232	277	3620	2890	23000	16400	333	1760	497	521	7110
8	236	1320	276	3020	2530	22900	20200	332	2090	359	285	6200
9	227	4810	275	3480	2520	22200	20700	339	2470	333	257	9820
10	221	814	273	3460	3490	19600	18400	333	3640	274	560	11400
11	221	330	271	4530	3160	16000	14700	322	3700	268	2490	9500
12	221	291	279	4790	2480	13900	11500	363	2520	389	6490	7530
13	223	281	e320	4000	2400	13400	9180	380	1670	405	6440	6160
14	224	269	e560	3270	2690	11600	7730	321	1040	556	4350	5050
15	222	265	e875	3200	3180	16100	7460	299	794	613	2600	3650
16	223	372	e700	3850	4780	18200	8480	285	581	282	1510	2300
17	217	338	e860	5500	8580	16700	7440	280	788	255	829	1520
18	219	375	e625	4960	8740	16700	6170	276	515	244	605	755
19	218	718	e1120	8820	9020	17100	4780	273	275	242	1400	520
20	218	369	e1620	12100	8770	17400	3590	552	291	239	985	538
21	220	282	e1500	13200	7640	15200	2510	437	280	367	1610	897
22	219	280	e1630	13800	6930	13100	1740	1460	249	338	600	814
23	217	270	1130	14000	6150	11700	1090	1240	229	257	304	641
24	212	575	926	13400	5470	10500	2350	1030	224	245	274	446
25	213	486	687	12200	5290	10600	2380	1030	216	240	267	574
26	216	317	627	10800	4880	9130	1720	799	211	2620	259	605
27	215	268	1090	9220	5420	7230	889	440	776	4000	414	596
28	215	271	4070	8100	8660	6030	676	461	2430	1380	297	515
29	219	273	3920	7510	---	4910	1140	659	2520	395	298	322
30	214	276	3580	8170	---	3720	1110	1200	1880	337	296	295
31	214	---	5160	7100	---	2810	---	710	---	649	325	---
TOTAL	7158	15467	34317	221120	1446660	482130	196995	16742	37217	21805	36123	113542
MEAN	231	516	1107	7133	5166	15550	6566	540	1241	703	1165	3785
MAX	522	4810	5160	14000	9020	29800	20700	1460	3700	4000	6490	11400
MIN	204	217	271	3020	2400	2810	676	273	211	239	246	295
CFSM	.07	.16	.35	2.25	1.63	4.90	2.07	.17	.39	.22	.37	1.19
IN.	.08	.18	.40	2.59	1.70	5.66	2.31	.20	.44	.26	.42	1.33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2001, BY WATER YEAR (WY)

MEAN	950	1919	5590	8518	8840	9403	9208	4536	1469	1063	897	790
MAX	8174	6663	26640	28310	24940	23560	34330	22880	7278	6454	7996	6790
(WY)	1976	1980	1983	1974	1983	1980	1979	1983	1997	1989	1975	1979
MIN	94.7	85.3	271	338	321	1545	448	280	133	180	197	138
(WY)	1964	1964	1963	2000	2000	2000	1986	1992	1963	1984	1969	1963

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1962 - 2001
ANNUAL TOTAL	500670	1327276	
ANNUAL MEAN	1368	3636	4411
HIGHEST ANNUAL MEAN			12000
LOWEST ANNUAL MEAN			942
HIGHEST DAILY MEAN	27900	29800	126000
LOWEST DAILY MEAN	204	204	45
ANNUAL SEVEN-DAY MINIMUM	214	215	63
MAXIMUM PEAK FLOW		30300	128000
MAXIMUM PEAK STAGE		32.09	43.28
ANNUAL RUNOFF (CFSM)	.43	1.15	1.39
ANNUAL RUNOFF (INCHES)	5.87	15.57	18.90
10 PERCENT EXCEEDS	2090	11000	12900
50 PERCENT EXCEEDS	310	889	1220
90 PERCENT EXCEEDS	226	232	254

e Estimated

PEARL RIVER BASIN

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02486000 PEARL RIVER AT JACKSON, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.59	3.59	3.83	16.32	17.34	23.81	7.54	6.20	4.90	7.23	4.17	4.59
2	3.58	3.65	3.83	16.16	15.47	28.66	6.20	5.67	6.38	5.84	3.79	8.31
3	3.57	3.68	3.84	15.42	12.36	31.24	6.76	5.17	5.79	4.56	3.73	17.55
4	3.53	3.61	3.84	14.43	10.34	31.97	10.14	5.04	5.20	4.81	3.71	20.58
5	3.53	3.63	3.84	13.52	13.35	31.66	16.84	5.03	8.93	7.27	3.85	20.95
6	4.66	3.72	3.83	12.11	11.64	30.43	22.29	4.99	7.79	6.94	4.37	19.69
7	3.98	3.65	3.83	10.09	9.63	29.86	26.85	4.95	8.46	4.63	4.69	17.66
8	3.67	6.75	3.83	8.92	8.89	29.80	28.74	4.90	9.20	4.15	3.87	15.91
9	3.63	14.16	3.83	9.89	8.90	29.55	28.97	4.90	10.04	4.05	3.75	20.83
10	3.60	5.54	3.82	9.89	10.95	28.50	27.92	4.85	12.44	3.82	4.70	22.60
11	3.60	4.04	3.81	11.94	10.30	26.67	25.89	4.80	12.54	3.80	9.80	20.91
12	3.60	3.89	3.84	12.46	8.90	25.37	23.48	4.95	10.10	4.21	17.02	18.63
13	3.61	3.85	---	11.01	8.76	25.02	21.09	5.02	8.14	4.31	17.04	16.48
14	3.62	3.80	---	9.62	9.39	23.50	19.16	4.79	6.54	4.82	13.51	14.55
15	3.61	3.79	---	9.53	10.40	26.66	18.73	4.71	5.82	5.00	10.01	11.98
16	3.61	4.18	---	10.82	13.56	27.86	20.22	4.65	5.17	3.85	7.51	9.21
17	3.59	4.07	---	13.91	20.34	27.08	18.71	4.64	5.81	3.75	5.65	7.42
18	3.60	4.19	---	12.97	20.56	27.12	16.55	4.62	4.93	3.70	4.95	5.37
19	3.59	5.34	---	19.98	20.91	27.28	14.26	4.61	4.07	3.69	7.25	4.68
20	3.59	4.18	---	24.02	20.60	27.47	12.09	5.57	4.13	3.68	6.11	4.77
21	3.60	3.85	---	24.84	19.04	26.21	9.93	5.18	4.10	4.13	7.76	5.88
22	3.60	3.84	---	25.26	17.86	24.79	8.25	8.08	3.97	4.07	4.94	5.63
23	3.59	3.80	6.54	25.41	16.27	23.61	6.66	7.50	3.89	3.75	3.94	5.11
24	3.57	4.84	5.97	25.01	14.74	22.54	9.76	6.94	3.87	3.70	3.82	4.46
25	3.57	4.59	5.25	24.10	14.40	22.62	9.95	6.92	3.83	3.68	3.79	4.89
26	3.58	3.99	5.06	22.84	13.67	21.02	8.52	6.20	3.81	9.36	3.76	5.00
27	3.58	3.80	6.23	21.15	14.76	18.36	6.41	5.04	5.43	12.79	4.29	4.97
28	3.58	3.81	12.63	19.71	20.41	15.98	5.85	5.09	9.71	7.13	3.91	4.69
29	3.59	3.82	12.13	18.82	---	13.71	7.28	5.67	9.85	4.28	3.91	4.01
30	3.57	3.83	11.22	19.81	---	11.49	7.28	7.26	8.42	4.07	3.91	3.91
31	3.58	---	13.99	18.16	---	9.64	---	5.82	---	5.00	4.02	---
MEAN	3.64	4.45	---	16.39	14.06	24.82	15.08	5.48	6.78	5.03	6.05	11.04
MAX	4.66	14.16	---	25.41	20.91	31.97	28.97	8.08	12.54	12.79	17.04	22.60
MIN	3.53	3.59	---	8.92	8.76	9.64	5.85	4.61	3.81	3.68	3.71	3.91

PEARL RIVER BASIN

02487500 STRONG RIVER AT D'LO, MS

LOCATION.--Lat 31°58'40", long 89°53'51", in NW1/4 SE1/4 SW1/4 sec.28, T.2 N., R.4 E., Choctaw Meridian, Simpson County, Hydrologic Unit 03180002, on left bank at downstream side of bridge on old U.S. Highway 49, 460 ft upstream from Illinois Central Railroad bridge, 0.2 mi south of D'Lo, 1,500 ft downstream from Sellers Creek, 1.6 mi upstream from Dabbs Creek, and 2 mi northwest of Mendenhall.

DRAINAGE AREA.--425 mi².

PERIOD OF RECORD.--August 1928 to September 1970; Oct. 1970 to Sept. 1993 (annual peaks only), Oct. 1993 to current year. Monthly discharge only for some periods, published in WSP 1304.

REVISED RECORDS.--WSP 697: 1929. WSP 872: Drainage area. WSP 1504: 1932-34, 1938, 1949-50(M). WDR MS-80-1: Drainage Area.

GAGE.--Water-stage recorder. Datum of gage is 257.99 ft above sea level (U. S. Army Corps of Engineers bench mark). Prior to Oct. 19, 1938, nonrecording gage at site 700 ft upstream at datum 5.0 ft higher.

REMARKS.--No estimated daily discharges. Records good. Statistics shown below are for water years 1929 to 1970 and 1994 through the current year, except instantaneous extremes which are shown for the entire period of record. Satellite telemeter and National Weather Service telemeter at station.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 20	1300	5,320	18.70	Mar. 4	0100	*12,100	*27.86

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	15	48	304	1040	2930	372	83	58	567	248	105
2	19	15	62	192	489	7350	313	86	54	367	778	500
3	18	15	46	138	332	11200	258	71	51	341	551	1330
4	17	17	41	114	261	11500	228	64	79	336	231	1480
5	17	19	38	100	219	9470	501	61	268	1950	138	2530
6	30	30	35	89	194	6280	1880	60	296	814	102	2340
7	40	33	34	134	171	2190	2300	61	510	343	84	1600
8	26	28	32	604	153	753	2170	57	518	217	96	683
9	22	291	32	514	154	570	620	55	692	138	199	622
10	21	298	31	440	594	490	346	55	1530	101	245	1160
11	20	223	29	305	645	423	264	52	1180	81	1030	943
12	22	128	28	334	494	513	215	49	553	179	1320	448
13	22	65	42	321	331	728	181	91	286	608	773	274
14	21	45	87	313	277	607	158	95	182	501	590	190
15	20	36	64	278	255	2720	150	110	130	268	555	146
16	19	54	60	341	307	3230	273	77	100	160	395	121
17	18	67	65	1300	1490	2210	1010	61	79	105	208	104
18	19	73	57	1310	1420	1430	821	53	69	77	139	91
19	18	280	52	3520	983	588	323	51	62	63	343	85
20	19	266	45	5170	464	435	199	47	62	54	493	79
21	19	163	52	3520	342	382	153	50	129	51	306	77
22	18	124	55	2040	268	356	129	90	182	51	208	77
23	17	76	51	900	223	335	109	86	193	47	134	94
24	17	110	48	463	193	293	112	99	150	43	99	82
25	16	222	42	355	174	599	149	123	100	44	82	69
26	16	195	41	290	164	901	332	82	71	1740	71	62
27	16	175	52	242	152	542	234	64	65	3630	66	57
28	16	113	974	212	440	371	151	83	795	1610	100	53
29	15	71	2170	338	---	344	114	68	502	515	135	51
30	15	56	1160	1640	---	394	94	56	513	285	100	50
31	15	---	607	1540	---	410	---	54	---	189	113	---
TOTAL	607	3303	6184	27361	12229	70544	14159	2194	9459	15475	9932	15503
MEAN	19.6	110	199	883	437	2276	472	70.8	315	499	320	517
MAX	40	298	2170	5170	1490	11500	2300	123	1530	3630	1320	2530
MIN	15	15	28	89	152	293	94	47	51	43	66	50
CFSM	.05	.26	.47	2.08	1.03	5.36	1.11	.17	.74	1.18	.75	1.22
IN.	.05	.29	.54	2.40	1.07	6.18	1.24	.19	.83	1.36	.87	1.36

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2001, BY WATER YEAR (WY)

	93.1	295	513	962	1198	1239	1026	493	189	261	128	99.0
MEAN	93.1	295	513	962	1198	1239	1026	493	189	261	128	99.0
MAX	843	2214	3150	3321	2747	2758	3909	2695	1020	2853	508	517
(WY)	1965	1949	1933	1937	1950	1935	1938	1953	1997	1940	1938	2001
MIN	17.8	23.7	65.3	63.5	62.1	175	94.9	36.7	46.2	22.3	29.2	20.3
(WY)	1964	1937	1934	1934	2000	1955	1963	1960	1960	2000	1943	1954

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1929 - 2001

	48505	186950	538
ANNUAL TOTAL	48505	186950	538
ANNUAL MEAN	133	512	1090
HIGHEST ANNUAL MEAN			124
LOWEST ANNUAL MEAN			20900
HIGHEST DAILY MEAN	5190	11500	Jan 7 1950
LOWEST DAILY MEAN	12	15	Aug 31 2000
ANNUAL SEVEN-DAY MINIMUM	13	15	Aug 25 2000
MAXIMUM PEAK FLOW		12100	Mar 4 1983
MAXIMUM PEAK STAGE		27.86	Mar 4 1983
ANNUAL RUNOFF (CFSM)	.31	1.21	33.48
ANNUAL RUNOFF (INCHES)	4.25	16.37	17.21
10 PERCENT EXCEEDS	264	1230	1420
50 PERCENT EXCEEDS	48	153	120
90 PERCENT EXCEEDS	16	29	33

02488000 PEARL RIVER AT ROCKPORT, MS

LOCATION.--Lat 31°47'28", long 90°08'33", in NW1/4 sec.31, T.10 N., R.11 E., Washington Meridian, Copiah County, Hydrologic Unit 03180003, on downstream side of bridge on right bank 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.--October 1938 to September 1951, (monthly discharge only prior to June 1939), October 1984 to current year. Daily mean gage heights published since October 1984.

GAGE.--Water-stage recorder. Datum of gage is 180.19 ft above sea level.

REMARKS.--Estimated daily discharges: May 6-7. Records good except for estimated daily discharges, which are poor. Flow regulated since September 27, 1961, by Ross R. Barnett Reservoir, about 80 mi upstream. Statistics shown below are for water years 1985 to current year, except instantaneous extremes, which are shown for the entire period of record. Telemeter and satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1979, reached a stage of 42.83 ft, from floodmarks.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 18,000 ft³/s, and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 20	1715	23,800	23.44	Jul. 27	0145	23,700	23.37
Mar. 4	0415	*49,200	*32.04	Aug. 13	0115	39,100	29.60
Apr. 11	0645	21,400	22.18				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	418	400	628	6370	12500	18900	4260	1870	1890	3920	2710	1050
2	415	401	628	7410	10300	36700	2950	1680	1250	3340	2610	4040
3	415	407	617	7500	8500	47300	1940	1150	1210	2790	1930	8450
4	412	422	594	7070	6310	49000	1590	961	1500	1770	1350	14500
5	407	483	553	6440	4620	47900	3150	806	1560	1750	971	15500
6	444	472	535	5770	5820	45700	7750	e750	2780	3340	835	15800
7	612	464	511	4970	5350	42000	12800	e690	3630	2920	828	14400
8	1010	524	487	5970	4040	36200	16800	628	3790	1760	1650	11800
9	696	5330	476	4890	3370	31800	19500	693	4600	1040	1230	9820
10	507	8340	467	4240	3490	29400	20700	782	5480	786	1110	12500
11	452	3900	461	4150	4900	27700	21400	769	6970	677	1950	14100
12	428	1600	451	5810	5170	25700	20900	743	6530	641	25200	13600
13	429	980	445	6010	4200	23700	18600	780	4860	2120	37300	11500
14	420	742	635	4970	3580	21200	14800	1040	3470	2830	29000	9240
15	429	637	1290	4100	3710	23400	11800	961	2350	1680	15700	7500
16	427	617	1020	4080	4390	25900	10200	844	1740	1410	7470	5700
17	423	666	943	8440	10300	25500	10900	766	1300	1040	4440	3910
18	423	857	905	10600	13400	24400	10900	703	1200	693	2960	2650
19	427	1330	662	16000	13100	22900	9070	672	1250	572	2010	1660
20	422	2420	778	23500	12400	21800	6940	669	870	522	3930	1040
21	425	1850	1620	23000	12000	21500	5240	723	720	495	4260	847
22	424	1130	1760	20200	11300	20900	3790	1300	799	554	3500	985
23	425	843	1950	18300	10200	19300	2690	2380	777	899	2430	1320
24	418	745	1710	17100	9050	17200	1910	2860	728	640	1460	1130
25	416	994	1310	16500	8050	15600	2550	2130	670	491	1110	957
26	404	1570	1060	15700	7810	15200	3590	1960	596	7930	969	782
27	396	1200	877	14600	7260	14100	2990	1760	542	22200	892	889
28	388	893	4930	13000	7990	11500	2060	1180	778	16700	913	910
29	408	735	12700	11700	---	9040	1220	998	4780	8020	1140	874
30	407	657	9640	14400	---	7160	1430	912	4690	3310	1010	744
31	403	---	6270	14800	---	5570	---	1660	---	2120	1060	---
TOTAL	14130	41609	56913	327590	213110	784170	254420	35820	73310	98960	163928	188198
MEAN	456	1387	1836	10570	7611	25300	8481	1155	2444	3192	5288	6273
MAX	1010	8340	12700	23500	13400	49000	21400	2860	6970	22200	37300	15800
MIN	388	400	445	4080	3370	5570	1220	628	542	491	828	744
CFSM	.10	.30	.40	2.32	1.67	5.55	1.86	.25	.54	.70	1.16	1.38
IN.	.12	.34	.46	2.67	1.74	6.40	2.08	.29	.60	.81	1.34	1.54

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2001, BY WATER YEAR (WY)

	MEAN	1056	3237	5497	10840	14070	12540	9643	5483	3211	1982	1506	1166
MAX	2885	6762	12200	32180	38420	25300	30040	31840	11380	7113	5288	6273	
(WY)	1986	1994	1996	1990	1990	2001	1991	1991	1997	1989	2001	2001	
MIN	428	594	848	894	698	2693	1215	664	503	525	478	497	
(WY)	1991	1991	1988	2000	2000	2000	1986	1999	1988	2000	2000	1986	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1985 - 2001

ANNUAL TOTAL	762347	2252158	
ANNUAL MEAN	2083	6170	5868
HIGHEST ANNUAL MEAN			9752
LOWEST ANNUAL MEAN			1991
HIGHEST DAILY MEAN	27200	Apr 9	64500
LOWEST DAILY MEAN	375	Sep 7	319
ANNUAL SEVEN-DAY MINIMUM	386	Sep 2	329
MAXIMUM PEAK FLOW			65000
MAXIMUM PEAK STAGE			35.66
INSTANTANEOUS LOW FLOW			267
ANNUAL RUNOFF (CFSM)	.46	1.35	1.29
ANNUAL RUNOFF (INCHES)	6.22	18.39	17.50
10 PERCENT EXCEEDS	3580	17600	17000
50 PERCENT EXCEEDS	659	1960	1990
90 PERCENT EXCEEDS	416	470	540

e Estimated

PEARL RIVER BASIN

02488000 PEARL RIVER AT ROCKPORT, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.62	4.55	5.23	12.55	16.85	20.54	10.63	7.53	7.40	9.84	8.47	6.08
2	4.61	4.56	5.24	13.45	15.42	28.71	9.20	7.24	6.41	9.21	8.34	9.68
3	4.60	4.58	5.22	13.54	14.13	31.61	7.92	6.39	6.34	8.56	7.45	13.88
4	4.60	4.62	5.17	13.19	12.30	32.00	7.41	6.04	6.82	7.22	6.58	18.15
5	4.58	4.78	5.09	12.67	10.72	31.75	9.40	5.73	6.91	7.16	5.93	18.76
6	4.67	4.75	5.06	12.08	11.85	31.25	13.69	---	8.52	9.21	5.68	18.95
7	5.05	4.75	5.02	11.34	11.40	30.35	17.07	---	9.53	8.72	5.66	18.05
8	5.84	4.89	4.97	12.29	10.10	28.69	19.57	5.33	9.70	7.20	7.05	16.44
9	5.23	10.53	4.96	11.29	9.37	27.26	21.11	5.46	10.54	6.05	6.38	15.12
10	4.82	13.68	4.95	10.63	9.49	26.24	21.78	5.63	11.38	5.58	6.19	16.85
11	4.68	9.65	4.95	10.53	10.93	25.40	22.17	5.59	12.70	5.36	7.24	17.88
12	4.62	6.85	4.94	12.12	11.18	24.41	21.91	5.53	12.32	5.28	22.89	17.54
13	4.62	5.84	4.94	12.29	10.21	23.39	20.59	5.59	10.78	7.64	29.03	16.21
14	4.59	5.39	5.37	11.32	9.55	22.04	18.34	6.07	9.35	8.60	25.91	14.71
15	4.61	5.18	6.63	10.44	9.67	23.20	16.42	5.92	8.02	7.09	18.76	13.34
16	4.61	5.14	6.17	10.40	10.37	24.52	15.44	5.70	7.18	6.68	13.08	11.78
17	4.59	5.25	6.05	14.19	15.26	24.31	15.88	5.54	6.50	6.05	10.37	10.02
18	4.59	5.64	5.99	15.71	17.44	23.78	15.91	5.41	6.34	5.39	8.77	8.59
19	4.59	6.45	5.51	18.99	17.24	22.96	14.66	5.35	6.42	5.13	7.56	7.25
20	4.58	8.04	5.76	23.27	16.79	22.37	12.95	5.34	5.74	5.02	9.79	6.26
21	4.59	7.26	7.21	23.04	16.49	22.20	11.43	5.45	5.45	4.95	10.18	5.90
22	4.58	6.15	7.44	21.50	16.00	21.90	9.96	6.50	5.61	5.08	9.39	6.15
23	4.58	5.63	7.73	20.41	15.24	21.03	8.69	8.03	5.56	5.80	8.10	6.74
24	4.56	5.45	7.38	19.70	14.37	19.80	7.66	8.65	5.47	5.28	6.75	6.42
25	4.56	5.91	6.79	19.37	13.59	18.80	8.44	7.72	5.34	4.94	6.19	6.11
26	4.54	6.89	6.37	18.90	13.40	18.55	9.70	7.49	5.18	11.64	5.93	5.77
27	4.52	6.29	6.05	18.17	12.95	17.87	9.00	7.21	5.06	22.62	5.79	5.98
28	4.50	5.76	10.79	17.19	13.52	16.31	7.80	6.29	5.50	19.42	5.83	6.02
29	4.56	5.45	16.98	16.36	---	14.73	6.54	5.98	10.69	13.49	6.24	5.95
30	4.56	5.29	15.03	18.06	---	13.27	6.87	5.82	10.63	9.15	6.01	5.70
31	4.56	---	12.44	18.35	---	11.89	---	7.04	---	7.71	6.09	---
MEAN	4.67	6.17	6.82	15.27	13.07	23.26	13.27	---	7.78	8.10	9.60	11.21
MAX	5.84	13.68	16.98	23.27	17.44	32.00	22.17	---	12.70	22.62	29.03	18.95
MIN	4.50	4.55	4.94	10.40	9.37	11.89	6.54	---	5.06	4.94	5.66	5.70

02488500 PEARL RIVER NEAR MONTICELLO, MS

LOCATION.--Lat 31°33'13", long 90°05'16", in SW1/4 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 sea level (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.--Estimated daily discharges: Mar. 10-11. Records good except for estimated daily discharges, which are poor. Flow regulated since September 27, 1961, by Ross R. Barnett, about 111 mi upstream. Statistics shown below are for water years 1962 to current year, except instantaneous extremes, which are shown for the entire period of record. Satellite telemeter and National Weather Service telemeter at station.

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)
Jan. 21	0300	25,400	20.67	Jul. 28	0415	22,400	19.46
Mar. 3	2300	*58,800	*28.23	Aug. 14	0100	40,300	25.35
Apr. 12	1100	22,700	19.57	Sep. 4	0330	25,400	20.68

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	606	505	789	6210	14300	14300	5440	1970	1880	4330	4340	1920
2	610	496	772	7130	11500	35600	4110	2080	1660	3770	3800	5200
3	592	531	754	7610	9300	52300	2920	1890	1230	3140	2690	16500
4	600	509	737	7350	7110	55200	2270	1730	1390	2400	2020	24600
5	603	553	696	6780	4970	49500	2530	1570	1720	2050	1520	22300
6	646	602	667	6080	5000	46000	5610	1430	2300	2630	1270	18900
7	785	609	662	5430	5480	44200	11100	1320	4920	3210	1130	16900
8	889	646	655	6160	4340	41700	15200	1230	4890	2390	1440	14300
9	1040	1850	633	6130	3820	38200	18700	1200	7600	1510	1900	11400
10	800	8390	604	4690	5030	e34900	20700	1180	6320	1130	1460	12200
11	685	5870	608	4320	4680	e32200	22000	1160	6660	934	1500	14100
12	647	2570	627	5110	5130	30000	22600	1140	6910	879	15200	14500
13	622	1420	596	6350	4330	28900	21500	1130	5700	1180	36900	13000
14	602	1050	734	5570	3530	26200	18300	1170	4190	2760	39000	10700
15	564	839	1010	4520	3410	26400	14200	1300	2990	2280	31600	8600
16	537	812	1340	4360	3890	27600	11400	1110	2180	1570	17200	6730
17	525	881	1140	8650	8610	27800	11100	996	1730	1370	7370	4890
18	537	922	1090	11500	13100	27100	11700	885	1390	1030	4520	3470
19	513	2120	986	16500	13500	26000	10600	820	1390	794	3180	2510
20	522	2800	836	24200	12800	24500	8320	790	1240	706	3090	1810
21	528	2460	1180	25100	12100	23400	6370	794	955	667	4880	1470
22	526	1650	1870	23600	11400	22800	4810	1030	934	697	3980	1330
23	509	1180	1910	20900	10200	21900	3580	1600	989	778	3320	1370
24	525	1040	1980	18700	8960	20200	2790	2710	932	904	2230	1510
25	522	1130	1630	17500	7800	18000	2390	2450	882	704	1620	1320
26	510	1440	1360	16700	7490	16500	3810	2060	820	1340	1370	1160
27	483	1530	1190	15600	7460	15800	3650	1920	787	18200	1280	1050
28	483	1180	3730	14100	7520	14100	2930	1630	939	21500	1330	1160
29	496	983	11500	12600	---	11900	2090	1180	2340	14200	1400	1140
30	508	844	12200	14600	---	9140	1810	1110	4700	6030	1450	1090
31	506	---	7840	16000	---	7010	---	1140	---	3130	1370	---
TOTAL	18521	47412	62326	350050	216760	869350	274530	43725	82568	108213	205360	237130
MEAN	597	1580	2011	11290	7741	28040	9151	1410	2752	3491	6625	7904
MAX	1040	8390	12200	25100	14300	55200	22600	2710	7600	21500	39000	24600
MIN	483	496	596	4320	3410	7010	1810	790	787	667	1130	1050
CFSM	.12	.32	.40	2.26	1.55	5.62	1.83	.28	.55	.70	1.33	1.58
IN.	.14	.35	.46	2.61	1.61	6.48	2.05	.33	.62	.81	1.53	1.77

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2001, BY WATER YEAR (WY)

	MEAN	1718	2954	8192	12710	14190	14730	14650	8001	3006	2017	1877	1484
MAX	9167	8443	37130	36890	43290	29990	51710	40240	13140	7516	10920	7904	
(WY)	1976	1994	1983	1974	1990	1980	1980	1991	1997	1989	1975	2001	
MIN	305	356	728	1231	933	2950	1552	800	650	602	486	482	
(WY)	1964	1964	1963	2000	2000	1967	1967	1963	1988	1969	1969	1963	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1962 - 2001

ANNUAL TOTAL	849185	2515945	7091	1983
ANNUAL MEAN	2320	6893	17210	1963
HIGHEST ANNUAL MEAN			2001	1979
LOWEST ANNUAL MEAN			121000	1963
HIGHEST DAILY MEAN	27300	Apr 10	55200	Mar 4
LOWEST DAILY MEAN	445	Sep 7	483	Oct 27
ANNUAL SEVEN-DAY MINIMUM	466	Aug 20	497	Oct 27
MAXIMUM PEAK FLOW			58800	Mar 3
INSTANTANEOUS LOW FLOW			28.23	Mar 3
ANNUAL RUNOFF (CFSM)	.46		477	Oct 27,28
ANNUAL RUNOFF (INCHES)	6.33		1.38	
10 PERCENT EXCEEDS	4440		18.74	
50 PERCENT EXCEEDS	856		20400	
90 PERCENT EXCEEDS	512		2390	
			641	

e Estimated

PEARL RIVER BASIN

02488500 PEARL RIVER NEAR MONTICELLO, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.32	3.99	4.70	10.68	15.67	15.49	10.34	6.68	6.56	9.17	8.96	6.37
2	4.32	3.98	4.67	11.36	14.14	24.03	9.20	6.82	6.26	8.65	8.49	9.58
3	4.28	4.06	4.63	11.70	12.84	27.43	8.04	6.57	5.62	8.03	7.34	16.55
4	4.29	4.01	4.61	11.53	11.37	27.81	7.30	6.37	5.86	7.20	6.55	20.35
5	4.29	4.12	4.52	11.12	9.72	27.09	7.58	6.14	6.35	6.78	5.88	19.43
6	4.38	4.23	4.46	10.61	9.74	26.64	10.37	5.93	7.05	7.45	5.50	17.94
7	4.66	4.25	4.46	10.09	10.14	26.30	13.95	5.76	9.68	8.10	5.28	16.99
8	4.85	4.34	4.45	10.66	9.18	25.72	16.13	5.63	9.66	7.19	5.73	15.66
9	5.12	6.08	4.41	10.65	8.69	24.83	17.82	5.57	11.71	6.04	6.40	14.09
10	4.67	12.04	4.35	9.48	9.77	---	18.73	5.54	10.79	5.46	5.79	14.56
11	4.44	10.19	4.36	9.16	9.48	---	19.30	5.51	11.05	5.12	5.84	15.60
12	4.35	7.16	4.41	9.83	9.86	22.47	19.53	5.48	11.23	5.02	14.88	15.79
13	4.29	5.70	4.34	10.82	9.16	22.05	19.07	5.47	10.31	5.52	24.47	14.99
14	4.24	5.12	4.64	10.21	8.42	21.00	17.65	5.52	9.04	7.61	25.02	13.67
15	4.15	4.75	5.14	9.33	8.30	21.07	15.61	5.74	7.86	7.05	22.90	12.35
16	4.08	4.69	5.70	9.18	8.76	21.54	14.11	5.43	6.94	6.14	16.98	11.06
17	4.05	4.83	5.38	12.39	12.32	21.61	13.93	5.23	6.35	5.85	11.34	9.63
18	4.07	4.91	5.31	14.19	15.04	21.35	14.27	5.03	5.87	5.28	9.14	8.34
19	4.01	6.64	5.13	16.72	15.27	20.91	13.63	4.91	5.87	4.86	7.87	7.32
20	4.03	7.47	4.86	20.22	14.90	20.32	12.20	4.85	5.64	4.69	7.76	6.47
21	4.04	7.09	5.45	20.57	14.52	19.87	10.83	4.86	5.16	4.60	9.46	5.99
22	4.03	6.06	6.48	19.96	14.10	19.63	9.58	5.29	5.12	4.66	8.66	5.79
23	3.98	5.36	6.53	18.81	13.38	19.26	8.46	6.18	5.22	4.83	8.01	5.84
24	4.02	5.14	6.63	17.85	12.62	18.49	7.64	7.56	5.12	5.07	6.80	6.05
25	4.01	5.29	6.16	17.26	11.86	17.52	7.19	7.27	5.03	4.68	6.02	5.77
26	3.99	5.78	5.77	16.87	11.64	16.79	8.69	6.79	4.91	5.36	5.65	5.52
27	3.93	5.91	5.51	16.35	11.63	16.45	8.54	6.61	4.84	17.53	5.52	5.33
28	3.93	5.38	8.27	15.58	11.67	15.56	7.79	6.21	5.13	19.07	5.60	5.51
29	3.97	5.05	14.10	14.81	---	14.44	6.83	5.54	6.93	15.56	5.70	5.48
30	4.00	4.80	14.57	15.87	---	12.89	6.47	5.43	9.49	10.32	5.78	5.40
31	3.99	---	11.83	16.56	---	11.53	---	5.48	---	7.82	5.66	---
MEAN	4.22	5.61	5.99	13.56	11.58	---	12.03	5.85	7.22	7.44	9.19	10.78
MAX	5.12	12.04	14.57	20.57	15.67	---	19.53	7.56	11.71	19.07	25.02	20.35
MIN	3.93	3.98	4.34	9.16	8.30	---	6.47	4.85	4.84	4.60	5.28	5.33

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LOCATION.--Lat 31°28'11", long 89°58'25", in NW1/4 SW1/4 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, .5 mi upstream from Illinois Central and Gulf Railroad bridge, 2.3 mi north of Oak Vale, and 3.7 mi upstream from mouth.

PERIOD OF RECORD.--September 1965 to current year. Daily mean gage heights published since October 1985.

GAGE.--Water-stage recorder. Datum of gage is 182.20 ft above sea level (Mississippi Department of Transportation bench mark).

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, 20 1/4 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)
Mar. 3	1645	6.660	12.26	Sep. 4	0230	*10,300	*14.90

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63	60	83	101	146	492	139	87	81	93	249	e68
2	62	62	80	94	114	4530	127	86	77	91	134	376
3	62	64	77	91	101	5870	122	88	74	123	84	2560
4	61	64	77	91	97	4140	120	87	86	101	74	5680
5	61	71	77	94	95	1630	115	87	121	95	73	797
6	72	79	77	94	91	717	112	87	232	96	73	304
7	94	84	77	99	88	499	108	87	666	95	77	202
8	76	78	76	163	88	392	105	87	520	92	149	159
9	63	216	77	149	97	352	103	125	1130	84	152	185
10	61	155	77	103	470	323	100	115	807	83	111	184
11	63	79	75	109	288	278	101	95	452	85	108	131
12	64	72	72	128	160	361	100	86	211	90	1330	112
13	64	71	77	114	132	436	98	85	388	375	1470	106
14	63	70	99	108	124	314	98	82	518	172	688	102
15	62	70	98	112	118	1070	102	81	192	111	243	102
16	61	81	90	140	115	746	106	81	139	96	131	102
17	61	116	102	365	207	343	97	82	115	92	100	104
18	61	101	97	221	184	248	102	81	103	87	87	108
19	62	242	88	1080	124	214	95	82	94	85	82	110
20	62	195	85	1270	112	197	91	83	94	81	99	103
21	62	104	87	364	110	191	94	82	98	80	83	101
22	62	90	100	185	105	181	93	83	96	87	76	100
23	61	85	94	133	99	e165	94	81	93	84	73	100
24	59	97	87	116	97	e155	113	78	88	78	70	100
25	60	134	84	102	97	e135	122	76	85	74	69	100
26	60	103	82	93	115	e130	101	75	84	85	70	97
27	61	87	88	90	218	e125	95	76	115	120	69	94
28	61	84	339	87	206	154	92	73	132	88	71	94
29	60	84	278	125	---	202	89	74	131	76	e75	91
30	60	86	134	414	---	172	87	74	100	79	e92	89
31	60	---	107	238	---	155	---	79	---	80	e72	---
TOTAL	1964	2984	3141	6673	3998	24917	3121	2625	7122	3158	6334	12561
MEAN	63.4	99.5	101	215	143	804	104	84.7	237	102	204	419
MAX	94	242	339	1270	470	5870	139	125	1130	375	1470	5680
MIN	59	60	72	87	88	125	87	73	74	74	69	68
CFSM	.49	.77	.78	1.66	1.10	6.18	.80	.65	1.83	.78	1.57	3.22
IN.	.56	.85	.90	1.91	1.14	7.13	.89	.75	2.04	.90	1.81	3.5

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2001, BY WATER YEAR (WY)

MEAN	122	143	196	294	304	350	320	225	146	129	123	126
MAX	423	503	407	810	746	844	1173	810	289	315	307	419
(WY)	1985	1994	1983	1990	1966	1973	1974	1990	1989	1981	1975	2001
MIN	63.4	78.9	91.5	116	92.2	118	104	79.4	78.5	71.6	70.5	64.9
(WY)	2001	1968	2000	1970	2000	1967	2001	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1965 - 2001
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ANNUAL TOTAL	36142			78598			
ANNUAL MEAN	98.7			215		206	
HIGHEST ANNUAL MEAN						339	1980
LOWEST ANNUAL MEAN						101	2000
HIGHEST DAILY MEAN	869	Apr	4	5870	Mar	3	16400 Apr 13 1974
LOWEST DAILY MEAN	58	Sep	6	59	Oct	24	58 Sep 6 2000
ANNUAL SEVEN-DAY MINIMUM	60	Oct	24	60	Oct	24	60 Oct 24 2000
MAXIMUM PEAK FLOW				10300	Sep	4	25400 Apr 13 1974
MAXIMUM PEAK STAGE				14.90	Sep	4	18.76 Apr 13 1974
INSTANTANEOUS LOW FLOW				57	Oct	1a	57 Aug 30 2000
ANNUAL RUNOFF (CFSM)	.76			1.66			1.58
ANNUAL RUNOFF (INCHES)	10.34			22.49			21.52
10 PERCENT EXCEEDS	131			329			305
50 PERCENT EXCEEDS	82			97			128
90 PERCENT EXCEEDS	62			70			86

e Estimated

a Also occurred Oct. 2, 24, 26 and Oct 29 - Nov. 1.

PEARL RIVER BASIN

02488700 WHITESAND CREEK NEAR OAK VALE, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.92	3.92	4.05	4.14	4.28	5.02	4.14	3.90	3.87	3.86	4.42	---
2	3.92	3.93	4.03	4.11	4.15	10.33	4.09	3.90	3.85	3.85	4.08	4.76
3	3.92	3.94	4.02	4.09	4.09	11.60	4.07	3.90	3.83	4.00	3.86	7.86
4	3.91	3.94	4.02	4.09	4.07	10.01	4.06	3.90	3.89	3.91	3.80	11.23
5	3.92	3.98	4.02	4.11	4.05	7.03	4.04	3.90	4.04	3.88	3.79	6.23
6	3.99	4.03	4.02	4.10	4.03	5.61	4.02	3.90	4.35	3.89	3.79	5.21
7	4.11	4.06	4.02	4.12	4.02	5.19	4.01	3.90	5.37	3.88	3.82	4.84
8	4.01	4.02	4.01	4.38	4.02	4.96	3.99	3.90	5.01	3.87	4.13	4.62
9	3.93	4.55	4.02	4.33	4.06	4.86	3.98	4.07	6.12	3.83	4.16	4.63
10	3.92	4.36	4.02	4.14	5.14	4.78	3.97	4.04	5.59	3.83	3.99	4.62
11	3.93	4.03	4.01	4.17	4.71	4.66	3.97	3.94	4.92	3.84	3.97	4.43
12	3.94	3.99	3.99	4.24	4.32	4.85	3.96	3.90	4.30	3.87	6.35	4.35
13	3.94	3.99	4.02	4.18	4.21	5.04	3.96	3.89	4.66	4.77	6.70	4.32
14	3.94	3.98	4.13	4.16	4.18	4.74	3.96	3.88	5.02	4.20	5.43	4.30
15	3.93	3.98	4.13	4.17	4.15	6.17	3.98	3.87	4.24	3.97	4.44	4.30
16	3.93	4.04	4.09	4.28	4.14	5.61	3.99	3.87	4.05	3.91	4.06	4.30
17	3.92	4.21	4.15	4.96	4.47	4.80	3.95	3.87	3.94	3.89	3.92	4.30
18	3.92	4.14	4.12	4.56	4.40	4.55	3.98	3.87	3.89	3.86	3.85	4.33
19	3.93	4.64	4.08	6.22	4.18	4.44	3.94	3.88	3.85	3.85	3.83	4.33
20	3.93	4.50	4.06	6.58	4.12	4.38	3.92	3.88	3.85	3.83	3.91	4.30
21	3.93	4.15	4.07	4.93	4.12	4.36	3.94	3.87	3.87	3.83	3.82	4.29
22	3.93	4.09	4.14	4.45	4.09	4.32	3.93	3.88	3.86	3.87	3.78	4.29
23	3.92	4.06	4.11	4.25	4.06	---	3.94	3.87	3.85	3.86	3.77	4.29
24	3.91	4.12	4.07	4.17	4.05	---	4.02	3.85	3.83	3.83	3.75	4.29
25	3.92	4.29	4.06	4.11	4.05	---	4.07	3.84	3.81	3.80	3.73	4.29
26	3.92	4.15	4.05	4.06	4.13	---	3.97	3.84	3.80	3.86	3.74	4.27
27	3.92	4.07	4.07	4.05	4.51	---	3.94	3.84	3.94	4.03	3.73	4.26
28	3.92	4.06	4.89	4.03	4.48	4.19	3.93	3.83	4.04	3.88	3.74	4.26
29	3.91	4.05	4.75	4.19	---	4.37	3.91	3.83	4.04	3.81	---	4.24
30	3.91	4.07	4.29	5.05	---	4.26	3.90	3.83	3.90	3.83	---	4.23
31	3.92	---	4.17	4.59	---	4.20	---	3.86	---	3.83	---	---
MEAN	3.93	4.11	4.12	4.42	4.22	---	3.98	3.89	4.25	3.91	---	---
MAX	4.11	4.64	4.89	6.58	5.14	---	4.14	4.07	6.12	4.77	---	---
MIN	3.91	3.92	3.99	4.03	4.02	---	3.90	3.83	3.80	3.80	---	---

02489000 PEARL RIVER NEAR COLUMBIA, MS

LOCATION.--Lat 31°28'14", long 89°58'25", in NE1/4 NW1/4 sec.7, T.3 N., R.18 W., St. Stephens Meridian, Marion County, Hydrologic Unit 03180004, on downstream side of bridge on U.S. Highway 98, 1.5 mi southwest of Columbia, 2.0 mi downstream from Fernwood, Columbia and Gulf Railroad bridge, 2.2 mi upstream from Silver Creek and at mile 137.8.

DRAINAGE AREA.--5,720 mi².

PERIOD OF RECORD.--October 1928 to September 1954 (monthly discharge only for January to August 1930, published in WSP 1304) October 1998 to September 1999 (high-water records only) and October 1999 to current year. January 1972 to 1999 (gauge heights only). Gauge-height records collected at same site November 1904 to December 1971 are contained in reports of National Weather Service.

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

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

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	916	811	1420	8290	16500	10600	7920	2250	1770	5450	4500	1860
2	945	825	1330	7130	14900	20700	6340	2580	2440	5290	5510	3030
3	953	859	1270	7910	12700	36800	4950	2660	2350	4730	4730	8600
4	933	858	1250	8210	10800	53700	3810	2340	2050	4550	3580	21300
5	934	910	1220	7890	8670	64400	3120	2040	2400	3680	2830	27000
6	991	960	1180	7290	6650	61100	3460	1840	3430	2990	2260	23700
7	1030	1020	1140	6630	6880	55000	6800	1700	5420	3510	2070	19400
8	1100	1050	1100	6200	6970	50400	10900	1640	7380	4060	1980	16700
9	1140	1680	1080	7200	5900	46700	14000	1660	10300	3250	2320	14300
10	1290	3460	1050	6580	6780	42900	17000	1760	11300	2350	2840	12600
11	1160	8470	1000	5410	7310	38700	19100	1700	9540	1870	2480	12800
12	1020	6280	973	5130	6800	37200	20500	1670	9110	1710	7230	13700
13	972	3450	1000	6170	6840	36100	21200	1620	8530	2120	24500	13800
14	943	2150	1090	6980	5950	32800	20400	1630	7640	2330	29600	12600
15	924	1620	1180	6210	5180	31300	17500	1820	5940	3550	33100	10800
16	898	1420	1380	5600	5170	30200	13800	2020	4390	3130	32100	9070
17	868	1410	1810	6790	6730	29400	11600	1790	3390	2350	21300	7400
18	836	1530	1660	10400	11400	29000	11300	1640	2790	2060	9620	5840
19	837	2030	1500	13900	14100	28200	11500	1510	2340	1710	6190	4330
20	822	3540	1390	19800	14500	27100	10600	1410	2220	1390	4750	3390
21	818	3810	1270	22700	14000	25600	8750	1350	2100	1240	4630	2540
22	820	3260	1520	23300	13500	24200	7030	1340	1800	1190	5740	2040
23	820	2420	2240	22600	12800	23300	5550	1520	1660	1180	4960	1800
24	803	2040	2320	20500	11900	22400	4430	2150	1660	1210	4180	1910
25	807	2040	2360	18500	10800	20500	3630	3350	1590	1420	3150	1970
26	811	1990	2020	17400	9860	18000	3290	3210	1510	1550	2460	1770
27	810	2080	1740	16800	10100	16300	4490	2810	1440	4210	2110	1590
28	802	2180	1830	15900	10100	15500	4280	2630	1630	15600	1980	1470
29	799	1830	6010	14800	---	14000	3550	2370	1760	18200	2040	1540
30	800	1580	11700	14700	---	11900	2710	1880	3120	13500	2000	1520
31	810	---	11600	16000	---	9720	---	1750	---	7070	2010	---
TOTAL	28412	67563	69633	362920	273790	963720	283510	61640	123000	128450	238750	260370
MEAN	917	2252	2246	11710	9778	31090	9450	1988	4100	4144	7702	8679
MAX	1290	8470	11700	23300	16500	64400	21200	3350	11300	18200	33100	27000
MIN	799	811	973	5130	5170	9720	2710	1340	1440	1180	1980	1470
MED	898	1910	1380	8210	9980	29000	7480	1790	2420	2990	4180	6620
CFSM	.16	.39	.39	2.05	1.71	5.43	1.65	.35	.72	.72	1.35	1.52
IN.	.18	.44	.45	2.36	1.78	6.27	1.84	.40	.80	.84	1.55	1.69

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2001, BY WATER YEAR (WY)

	MEAN	1185	1911	2036	6787	5487	17290	12320	1690	2788	2560	4339	4842
MAX	1453	2252	2246	11710	9778	31090	15200	1988	4100	4144	7702	8679	
(WY)	2000	2001	2001	2001	2001	2001	2000	2001	2001	2001	2001	2001	2001
MIN	917	1569	1825	1867	1344	3502	9450	1391	1477	976	976	1005	
(WY)	2001	2000	2000	2000	2000	2000	2001	2000	2000	2000	2000	2000	2000

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 2000 - 2001

ANNUAL TOTAL	1005075	2861758	
ANNUAL MEAN	2746	7840	
HIGHEST ANNUAL MEAN			5267
LOWEST ANNUAL MEAN			7840
HIGHEST DAILY MEAN	28100	Apr 13	64400
LOWEST DAILY MEAN	799	Oct 29	799
ANNUAL SEVEN-DAY MINIMUM	805	Oct 24	805
MAXIMUM PEAK FLOW			66600
MAXIMUM PEAK STAGE			23.33
INSTANTANEOUS LOW FLOW			789
ANNUAL RUNOFF (CFSM)	.48		1.37
ANNUAL RUNOFF (INCHES)	6.54		18.61
10 PERCENT EXCEEDS	4890	20500	14800
50 PERCENT EXCEEDS	1260	3450	1740
90 PERCENT EXCEEDS	901	1030	953

PEARL RIVER BASIN

02489000 PEARL RIVER NEAR COLUMBIA, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.60	.50	1.05	6.33	10.83	7.38	6.83	2.26	1.54	4.32	3.66	1.96
2	.63	.52	.96	5.62	10.07	12.35	5.81	2.50	2.11	4.21	4.35	2.85
3	.64	.55	.90	6.13	8.85	18.07	4.87	2.54	2.03	3.82	3.82	6.64
4	.62	.54	.88	6.33	7.71	21.91	4.04	2.26	1.78	3.69	2.99	12.82
5	.62	.59	.86	6.15	6.37	23.15	3.49	1.99	2.07	3.06	2.42	15.02
6	.67	.64	.82	5.78	5.08	22.68	3.73	1.80	2.86	2.54	1.96	13.76
7	.72	.70	.80	5.37	5.22	21.85	6.01	1.66	4.29	2.94	1.80	12.15
8	.78	.73	.78	5.10	5.26	21.09	8.58	1.59	5.59	3.34	1.74	11.10
9	.83	1.30	.78	5.76	4.55	20.36	10.21	1.59	7.41	2.74	2.03	10.08
10	.97	2.67	.76	5.35	5.11	19.44	11.42	1.65	7.99	2.03	2.46	9.16
11	.84	6.10	.73	4.55	5.44	18.30	12.13	1.57	6.94	1.63	2.19	9.29
12	.71	4.69	.71	4.35	5.11	17.86	12.61	1.53	6.67	1.50	5.40	9.84
13	.66	2.72	.76	5.04	5.12	17.57	12.84	1.47	6.31	1.84	14.08	9.89
14	.64	1.69	.85	5.56	4.53	16.49	12.57	1.45	5.75	2.02	16.00	9.24
15	.62	1.24	.95	5.05	3.99	15.99	11.55	1.60	4.65	2.96	17.26	8.17
16	.59	1.07	1.15	4.62	3.97	15.67	10.01	1.76	3.58	2.65	16.90	7.11
17	.56	1.06	1.54	5.40	5.00	15.44	8.76	1.56	2.85	2.03	12.77	6.07
18	.53	1.15	1.43	7.67	7.88	15.35	8.58	1.44	2.38	1.79	7.10	5.07
19	.54	1.58	1.31	9.67	9.47	15.14	8.71	1.32	2.03	1.49	4.95	4.03
20	.52	2.77	1.21	12.24	9.63	14.76	8.10	1.23	1.92	1.21	3.98	3.33
21	.52	2.98	1.12	13.37	9.37	14.27	6.96	1.17	1.82	1.07	3.91	2.66
22	.52	2.56	1.36	13.63	9.09	13.81	5.86	1.16	1.57	1.03	4.69	2.24
23	.52	1.91	1.99	13.33	8.72	13.53	4.86	1.32	1.45	1.02	4.16	2.02
24	.50	1.60	2.08	12.52	8.15	13.22	4.06	1.87	1.45	1.04	3.62	2.11
25	.51	1.59	2.12	11.76	7.49	12.62	3.46	2.81	1.39	1.23	2.87	2.15
26	.51	1.54	1.86	11.28	6.93	11.82	3.18	2.71	1.32	1.35	2.35	1.97
27	.51	1.62	1.62	10.97	7.10	11.22	4.04	2.40	1.25	3.28	2.07	1.80
28	.49	1.70	1.71	10.57	7.07	10.91	3.87	2.26	1.43	10.33	1.97	1.68
29	.49	1.41	4.76	10.05	---	10.33	3.31	2.04	1.54	11.59	2.03	1.73
30	.49	1.19	8.42	10.01	---	9.29	2.64	1.64	2.60	9.21	2.01	1.71
31	.50	---	8.33	10.62	---	7.94	---	1.53	---	5.37	2.03	---
MEAN	.61	1.70	1.76	8.07	6.90	15.48	7.10	1.80	3.22	3.17	5.15	6.25
MAX	.97	6.10	8.42	13.63	10.83	23.15	12.84	2.81	7.99	11.59	17.26	15.02
MIN	.49	.50	.71	4.35	3.97	7.38	2.64	1.16	1.25	1.02	1.74	1.68
MED	.59	1.47	1.12	6.33	7.00	15.35	6.42	1.64	2.09	2.54	3.62	5.57

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 left bank on downstream side of flow control structure upstream 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.--WRD LA-1981-2: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 54.64 ft above NAVD 88. Prior to Oct. 1, 1999, datum of gage 55.00 ft above sea level (NGVD 1929). Prior to July 29, 1954, nonrecording gage at same site and datum.

REMARKS.--Records good. Satellite telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 11, 1938, reached a stage of 21.0 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1380	1190	2640	11700	17800	9810	14000	4260	2710	3580	10400	3940
2	1310	1200	2490	9030	17900	10200	10800	3820	2660	5000	6830	4100
3	1300	1210	2360	7340	16900	18900	8820	3830	2920	5270	6030	6190
4	1320	1250	2270	7580	13900	29900	7390	3890	3070	5220	5570	10300
5	1310	1290	2230	7980	11000	40000	6260	3700	3000	5060	4880	19200
6	1340	1510	2190	7850	8570	55600	5470	3460	3720	4720	4340	26900
7	1470	1750	2160	7360	6670	59700	5370	3260	6100	4120	3900	31300
8	1550	1820	2120	6820	6240	56400	7400	3130	9530	4100	3660	31200
9	1550	2320	2090	6530	6290	53800	11100	3150	10800	4460	3660	28400
10	1580	2990	2060	7000	6160	51300	14800	3060	12200	4170	3760	24600
11	1680	3440	2040	6870	6700	49300	18200	3010	20900	3630	4140	21900
12	1690	5920	1990	6010	6880	46900	21000	2950	25800	3260	4910	18700
13	1550	5820	1970	5640	6330	46700	23200	2870	18800	3290	9970	17700
14	1450	4190	2160	6080	6230	48600	25300	2800	12300	4360	21700	17500
15	1390	3150	2410	6820	5700	46900	26400	2740	9670	4280	29000	16200
16	1350	2720	2480	6600	5130	43200	25100	2780	7630	4230	33000	13600
17	1330	2640	2570	7680	5050	40000	21200	2920	5940	4140	36200	11100
18	1290	2820	2910	9320	6100	38000	16400	2830	4930	3610	37000	9220
19	1260	3870	2880	11200	9160	36700	13800	2710	4380	3270	26200	7860
20	1250	5010	2720	e14000	12400	35800	13200	2610	4150	3020	12300	6610
21	1250	4750	2660	e18000	13600	35200	12200	2510	4040	2780	7610	5710
22	1230	4390	2640	22100	13600	34200	10200	2430	3810	2680	6230	4850
23	1230	3930	2820	24600	13100	32900	8390	2380	3530	2720	6480	4270
24	1230	3460	3110	25900	12300	31600	7000	2420	3260	2540	6090	3930
25	1210	3510	3220	25500	11100	30700	6160	2740	3110	2470	5470	3810
26	1200	3680	3240	23400	9900	29300	5360	3400	3010	2790	4790	3800
27	1200	3260	3110	21200	9040	26500	4860	3680	2900	3230	4240	3650
28	1200	3030	3180	19600	9930	23700	5230	3470	2810	4460	4200	3480
29	1200	3020	3680	18400	---	22400	5240	3330	2830	12200	4060	3320
30	1190	2840	5680	17900	---	21100	4820	3180	3170	17000	3940	3290
31	1180	---	10300	17900	---	18100	---	2890	---	15700	3950	---
TOTAL	41670	91980	90380	393910	273680	1123410	364670	96210	203680	151360	324510	366630
MEAN	1344	3066	2915	12710	9774	36240	12160	3104	6789	4883	10470	12220
MAX	1690	5920	10300	25900	17900	59700	26400	4260	25800	17000	37000	31300
MIN	1180	1190	1970	5640	5050	9810	4820	2380	2660	2470	3660	3290
CFSM	.20	.47	.44	1.93	1.49	5.51	1.85	.47	1.03	.74	1.59	1.86
IN.	.24	.52	.51	2.23	1.55	6.36	2.06	.54	1.15	.86	1.84	2.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2001, BY WATER YEAR (WY)

	MEAN	2893	4202	9686	15430	19490	20720	19150	12030	5605	4543	3823	3010
MAX	10390	16150	40080	48900	56830	46670	67290	56770	22540	26570	16710	12220	
(WY)	1976	1958	1983	1974	1990	1987	1980	1991	1983	1940	1975	2001	
MIN	1110	1233	1713	2174	2133	3678	3214	1926	1651	1564	1398	1246	
(WY)	1964	1964	1955	1956	2000	2000	1963	1963	1963	1969	2000	1954	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1939 - 2001

ANNUAL TOTAL	1305490	3522090	
ANNUAL MEAN	3567	9650	9962
HIGHEST ANNUAL MEAN			22560
LOWEST ANNUAL MEAN			3412
HIGHEST DAILY MEAN	34600	Apr 15	59700
LOWEST DAILY MEAN	1140	Sep 7	1180
ANNUAL SEVEN-DAY MINIMUM	1190	Sep 3	1190
MAXIMUM PEAK FLOW			65000
MAXIMUM PEAK STAGE			21.68
INSTANTANEOUS LOW FLOW			1180
INSTANTANEOUS LOW STAGE			6.14
ANNUAL RUNOFF (CFSM)	.54		1.47
ANNUAL RUNOFF (INCHES)	7.39		19.93
10 PERCENT EXCEEDS	5010	25600	28000
50 PERCENT EXCEEDS	2060	4820	4520
90 PERCENT EXCEEDS	1250	1690	1820

e Estimated

02490500 BOGUE CHITTO NEAR TYLERTOWN, MS

LOCATION.--Lat 31°10'37", long 90°16'48", in NW1/4 SE1/4 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 sea level.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in February 1936 reached a stage about 0.1 ft higher than the flood of Apr. 7, 1983.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 20	0100	6,390	14.03	Aug. 14	1900	8,900	16.20
Mar. 4	0130	*26,600	*28.72	Sep. 5	1130	10,400	17.25
Jun. 10	1330	8,160	15.59				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	174	173	275	480	1090	1960	517	247	230	752	740	553
2	171	176	270	398	664	5640	448	246	218	711	693	3100
3	170	180	259	355	523	17700	405	243	214	426	631	3270
4	169	179	251	331	456	21300	377	240	215	327	417	5180
5	168	198	246	316	414	8330	364	239	245	485	350	9240
6	182	223	245	306	388	3830	350	238	480	454	320	4740
7	214	244	247	303	366	1800	336	236	1390	351	433	1960
8	284	308	244	314	354	1100	323	236	2640	316	508	923
9	265	983	244	744	357	957	316	245	3030	295	385	847
10	209	878	243	716	1600	982	309	266	6850	264	351	2840
11	188	859	240	439	1650	963	302	243	2770	253	467	2480
12	179	408	234	383	832	1400	296	238	1150	281	1680	1540
13	175	288	241	381	592	2100	290	242	680	412	6580	739
14	173	249	299	375	506	1960	282	235	503	473	8330	554
15	173	230	315	353	459	3240	286	243	425	584	6430	467
16	173	233	399	379	461	3010	325	238	374	386	4390	417
17	172	300	514	989	553	2470	438	229	333	303	1930	385
18	172	347	360	1760	1020	1440	358	226	306	271	770	361
19	172	1210	313	4260	787	828	300	224	288	258	557	352
20	172	2250	294	5460	505	660	281	221	276	246	473	339
21	172	1520	300	4200	430	567	272	219	269	240	424	323
22	172	649	320	3550	399	503	266	224	265	268	390	310
23	172	405	327	1410	373	461	264	226	265	332	363	300
24	172	357	332	776	357	430	316	229	256	278	337	293
25	172	500	309	593	353	412	298	229	243	247	319	283
26	171	619	292	497	398	393	278	219	236	902	303	275
27	172	478	290	480	1450	380	269	217	234	1930	304	269
28	171	359	396	470	1880	412	260	217	263	2480	302	265
29	171	311	1410	510	---	606	256	214	285	2370	337	262
30	171	289	1460	1640	---	867	251	212	252	870	382	258
31	172	---	742	1730	---	621	---	233	---	537	351	---
TOTAL	5643	15403	11911	34898	19217	87322	9633	7214	25185	18302	40247	43125
MEAN	182	513	384	1126	686	2817	321	233	840	590	1298	1438
MAX	284	2250	1460	5460	1880	21300	517	266	6850	2480	8330	9240
MIN	168	173	234	303	353	380	251	212	214	240	302	258
CFSM	.37	1.04	.78	2.29	1.39	5.73	.65	.47	1.71	1.20	2.64	2.92
IN.	.43	1.16	.90	2.64	1.45	6.60	.73	.55	1.90	1.38	3.04	3.26

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2001, BY WATER YEAR (WY)

MEAN	380	500	859	1275	1400	1387	1283	839	532	459	420	390
MAX	1894	2118	2976	4728	3994	3625	4718	4317	1744	1503	1402	1438
(WY)	1965	1958	1972	1990	1966	1973	1983	1953	1975	1946	1953	2001
MIN	182	212	305	279	257	299	303	220	210	176	168	200
(WY)	2001	1957	2000	1956	2000	2000	1963	2000	2000	2000	2000	2000

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1944 - 2001

ANNUAL TOTAL	106940	318100	
ANNUAL MEAN	292	872	
HIGHEST ANNUAL MEAN			807
LOWEST ANNUAL MEAN			1301
HIGHEST DAILY MEAN	2520	21300	1301
LOWEST DAILY MEAN	141	168	269
ANNUAL SEVEN-DAY MINIMUM	146	171	269
MAXIMUM PEAK FLOW		26600	56900
MAXIMUM PEAK STAGE		28.72	141
ANNUAL RUNOFF (CFSM)	.59	1.77	146
ANNUAL RUNOFF (INCHES)	8.09	24.05	146
10 PERCENT EXCEEDS	391	1900	64200
50 PERCENT EXCEEDS	236	350	34.62
90 PERCENT EXCEEDS	164	214	1.64
			22.29
			1570
			395
			245

PEARL RIVER BASIN

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02492343 EAST HOBOLOCHITTO CREEK NEAR CAESAR, MS

LOCATION.--Lat 30°34'27", long 89°35'32", in sec.34, T.5 S., R.16 W., St. Stephens Meridian, Pearl River County, Hydrologic Unit 03180004, near left bank at downstream side of bridge on County Highway, 3.2 mi west of Caesar, and 3.5 mi downstream from Stanfield Creek.

DRAINAGE AREA.--86.1 mi².

PERIOD OF RECORD.--October 1996 to current year.

GAGE.--Water-stage recorder. Datum of gage is 62.00 ft above Mississippi Department of Transportation datum.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	.32	16	79	161	331	121	10	15	16	777	294
2	1.1	.34	13	64	115	196	94	9.4	7.0	15	383	285
3	.98	.39	11	53	91	2870	79	8.7	7.0	17	181	778
4	.89	.39	9.5	36	76	4920	68	7.9	6.3	75	112	747
5	.94	.53	8.6	31	52	2230	54	7.3	7.7	104	152	931
6	.91	2.9	7.8	30	42	802	47	6.9	90	61	255	646
7	.97	1.8	7.3	25	37	324	42	6.6	314	43	165	283
8	.91	2.5	6.9	24	33	229	37	7.2	835	35	124	222
9	.80	3.4	6.6	24	33	200	34	9.8	1080	27	255	447
10	.76	4.3	6.5	22	67	242	30	7.9	679	21	153	602
11	.79	2.8	6.0	21	110	192	27	9.6	2550	48	240	339
12	.83	3.2	5.7	22	85	414	25	11	4210	28	383	176
13	.78	3.7	6.1	25	66	1180	23	8.5	1750	23	939	122
14	.75	3.7	39	23	58	959	20	7.1	460	30	723	94
15	.71	3.2	88	61	58	485	19	6.2	258	25	465	77
16	.67	5.8	69	197	61	512	21	5.6	181	19	224	65
17	.59	15	67	284	67	301	22	5.1	125	15	147	55
18	.56	33	61	255	61	213	25	4.9	84	13	118	39
19	.49	134	55	192	40	179	21	4.7	64	12	95	79
20	.50	151	49	251	34	144	19	4.5	59	11	104	291
21	.45	83	48	188	31	120	17	4.2	45	9.9	100	150
22	.43	56	59	130	30	104	15	4.0	38	9.6	72	96
23	.42	37	67	102	30	92	14	3.8	32	9.2	59	77
24	.40	79	53	85	27	76	15	3.5	36	11	37	64
25	.37	143	34	61	26	60	18	3.4	33	13	29	54
26	.36	97	28	50	32	61	16	3.3	26	290	25	34
27	.34	54	32	45	53	56	14	3.2	22	1260	23	28
28	.35	37	194	40	194	100	13	3.3	19	1200	26	25
29	.39	26	229	48	---	286	11	3.3	17	326	47	23
30	.42	20	145	241	---	241	10	3.2	16	164	61	21
31	.40	---	103	254	---	164	---	5.9	---	224	167	---
TOTAL	20.46	1004.27	1531.0	2963	1770	18283	971	190.0	13066.0	4154.7	6641	7144
MEAN	.66	33.5	49.4	95.6	63.2	590	32.4	6.13	436	134	214	238
MAX	1.2	151	229	284	194	4920	121	11	4210	1260	939	931
MIN	.34	.32	5.7	21	26	56	10	3.2	6.3	9.2	23	21
MED	.67	5.1	34	53	56	229	22	5.9	52	25	147	109
CFSM	.01	.39	.57	1.11	.73	6.85	.38	.07	5.06	1.56	2.49	2.77
IN.	.01	.43	.66	1.28	.76	7.90	.42	.08	5.65	1.80	2.87	3.09

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2001, BY WATER YEAR (WY)

	MEAN	20.1	46.5	71.5	334	206	384	88.0	73.8	159	81.3	66.4	68.7
MAX	37.8	107	133	1152	572	675	252	316	436	217	214	238	
(WY)	1999	1998	1998	1998	1997	1998	1997	1997	2001	1997	2001	2001	
MIN	.66	6.54	32.3	36.4	18.2	29.1	22.9	2.76	5.09	1.30	1.41	3.11	
(WY)	2001	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1996 - 2001

ANNUAL TOTAL	6219.70	57738.43	
ANNUAL MEAN	17.0	158	133
HIGHEST ANNUAL MEAN			224
LOWEST ANNUAL MEAN			15.0
HIGHEST DAILY MEAN	229	Dec 29	4920
LOWEST DAILY MEAN	.32	Nov 1	.32
ANNUAL SEVEN-DAY MINIMUM	.37	Oct 27	.37
MAXIMUM PEAK FLOW			5800
MAXIMUM PEAK STAGE			18.26
INSTANTANEOUS LOW FLOW			.31
ANNUAL RUNOFF (CFSM)	.20		1.84
ANNUAL RUNOFF (INCHES)	2.69		24.95
10 PERCENT EXCEEDS	48		297
50 PERCENT EXCEEDS	4.4		37
90 PERCENT EXCEEDS	.87		1.6
			3.4

PEARL RIVER BASIN

02492360 WEST HOBOLOCHITTO CREEK NEAR MCNEILL, MS

LOCATION.--Lat 30°39'43", long 89°41'01", in NW1/4 sec.34, T.4 S., R.8 W., St. Stephens Meridian, Pearl River County, Hydrologic Unit 03180004, near left bank at downstream side of bridge on County Highway, 0.2 mi downstream from Price Creek, and 3.1 mi west of McNeill.

DRAINAGE AREA.--175 mi².

PERIOD OF RECORD.--July 1965 to September 1968; October 1968 to September 1996 (annual peaks only), October 1996 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 55.64 ft above mean sea level.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of December 1961 reached a stage of 24.96 ft from flood mark. Flood mark of July 1916 reached a stage approximately 5.0 ft higher than the Dec. 1961 flood 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)
Mar. 3	2200	7,970	19.33	Jun. 7	2245	2,620	13.77
Mar. 12	2045	2,670	13.92	Jun. 11	1315	*8,480	*19.75

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.0	5.3	41	108	345	824	188	37	19	70	866	141
2	7.5	5.8	36	84	205	418	143	35	18	68	425	256
3	7.4	7.1	32	71	151	4980	119	33	17	70	184	474
4	7.0	7.3	30	63	132	6510	105	32	17	71	125	272
5	7.0	6.3	28	57	103	3970	95	31	25	103	172	210
6	7.2	9.0	27	53	89	1290	86	30	680	133	101	183
7	8.0	12	27	49	80	664	79	28	2500	99	87	140
8	7.5	8.4	26	48	74	460	72	28	2120	75	120	202
9	7.6	15	24	48	70	437	68	35	1810	58	143	220
10	7.5	12	24	60	219	592	62	68	1100	49	112	249
11	7.5	16	23	55	247	425	58	45	5740	48	109	262
12	7.3	16	22	51	149	1260	54	36	7670	46	1020	224
13	7.1	14	26	52	107	2390	50	31	4360	60	1110	133
14	6.8	12	81	52	103	1330	47	28	1320	130	401	93
15	6.7	11	120	88	114	1810	46	26	706	59	265	75
16	7.1	16	91	168	105	1510	51	25	399	52	157	64
17	6.8	27	80	633	96	621	76	24	261	45	118	57
18	6.9	58	99	606	91	395	73	23	193	41	97	53
19	7.1	450	83	420	85	308	57	22	150	39	89	394
20	6.4	397	67	571	72	242	49	24	135	38	92	640
21	6.1	169	68	342	65	198	45	23	149	39	87	138
22	6.1	80	88	202	63	166	41	21	163	51	72	81
23	6.5	54	106	143	61	145	38	21	219	99	63	63
24	6.3	208	84	112	57	129	40	20	139	62	57	54
25	6.2	535	64	93	58	125	54	20	107	55	53	49
26	6.3	240	54	79	67	123	110	20	92	870	49	46
27	6.2	113	53	71	230	117	74	19	84	718	60	45
28	6.8	76	317	66	1010	213	54	19	77	374	107	43
29	6.6	57	645	133	---	758	45	19	73	249	121	41
30	4.9	45	294	1010	---	437	40	18	71	135	86	40
31	5.1	---	160	733	---	272	---	18	---	398	141	---
TOTAL	211.5	2682.2	2920	6321	4248	33119	2119	859	30414	4404	6689	4942
MEAN	6.82	89.4	94.2	204	152	1068	70.6	27.7	1014	142	216	165
MAX	8.0	535	645	1010	1010	6510	188	68	7670	870	1110	640
MIN	4.9	5.3	22	48	57	117	38	18	17	38	49	40
MED	6.9	16	64	84	100	437	58	25	156	68	112	136
CFSM	.04	.51	.54	1.17	.87	6.10	.40	.16	5.79	.81	1.23	.94
IN.	.04	.57	.62	1.34	.90	7.04	.45	.18	6.47	.94	1.42	1.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2001, BY WATER YEAR (WY)

	MEAN	46.4	65.1	172	519	526	548	208	151	244	126	97.9	67.8
MAX	93.8	170	546	1920	1792	1231	474	465	1014	451	216	165	
(WY)	2000	1998	1968	1998	1966	1998	1997	1997	2001	1997	2001	2001	
MIN	6.82	20.1	46.9	62.3	30.6	44.9	39.0	13.3	16.1	10.7	9.06	10.5	
(WY)	2001	2000	1999	2000	2000	2000	2000	2000	2000	2000	2000	2000	

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1965 - 2001
ANNUAL TOTAL	13018.5	98928.7	
ANNUAL MEAN	35.6	271	229
HIGHEST ANNUAL MEAN			390
LOWEST ANNUAL MEAN			37.2
HIGHEST DAILY MEAN	645	Dec 29	8790
LOWEST DAILY MEAN	4.9	Oct 30	4.9
ANNUAL SEVEN-DAY MINIMUM	5.8	Oct 27	5.8
MAXIMUM PEAK FLOW			27800
MAXIMUM PEAK STAGE			23.43
ANNUAL RUNOFF (CFSM)	.20		1.31
ANNUAL RUNOFF (INCHES)	2.77		17.79
10 PERCENT EXCEEDS	72		448
50 PERCENT EXCEEDS	16		55
90 PERCENT EXCEEDS	7.5		20

TENNESSEE RIVER BASIN

03592718 LITTLE YELLOW CREEK EAST NEAR BURNSVILLE, MS

LOCATION.--Lat 34°50'10", long 88°17'14", in NW1/4 SE1/4 sec.7, T.3 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 06030005, on right bank about 70 ft downstream of bridge on county road 0.2 mi northeast of Walker Siding, 2.0 mi east of Burnsville, 0.1 mi north of railroad and 0.25 mi upstream of confluence of Tenn-Tom Waterway.

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 above Mississippi Department of Transportation datum.

REMARKS.--Estimated daily discharges: Oct. 10-25 and Nov. 2,3 and 10-23. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

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)
Jan. 19	0930	822	13.49	Feb. 25	0530	882	13.69
Feb. 16	2315	*1950	*16.23				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	4.0	7.1	4.8	27	36	31	13	14	11	5.1	15
2	2.6	e4.3	6.9	4.6	23	32	22	12	11	8.9	4.2	120
3	2.6	e4.6	6.4	4.6	20	35	86	11	10	7.7	3.9	58
4	2.5	4.6	6.6	4.9	20	83	71	11	13	9.9	4.2	22
5	2.4	4.3	6.5	5.2	19	44	42	11	26	27	4.5	14
6	2.4	4.8	6.4	5.1	18	33	33	11	14	22	4.0	9.1
7	2.2	4.6	6.6	5.1	17	29	29	11	116	13	4.3	8.5
8	2.0	23	6.5	5.0	17	27	25	10	54	11	4.9	6.7
9	2.4	111	6.5	4.5	28	24	21	12	19	9.1	25	5.7
10	e2.5	e13	6.6	4.2	54	22	19	11	13	10	29	5.5
11	e2.3	e5.9	7.1	5.2	30	22	18	10	12	14	21	4.8
12	e2.2	e5.4	9.6	7.7	44	51	32	12	11	12	13	4.6
13	e2.3	e5.2	54	5.6	146	51	163	11	10	12	12	4.7
14	e2.5	e5.1	92	5.8	167	34	69	9.5	9.5	8.7	7.1	4.6
15	e2.6	e5.0	46	5.6	233	76	74	8.8	9.6	6.4	5.2	4.5
16	e2.6	e17	371	4.8	954	42	43	8.0	11	5.5	4.6	4.6
17	e2.8	e20	128	6.2	604	31	29	7.0	8.8	5.5	5.1	4.6
18	e3.3	e10	32	130	126	27	23	6.1	6.8	5.5	5.0	4.6
19	e3.4	e7.1	15	546	72	25	21	12	5.6	5.1	6.5	20
20	e3.5	e6.4	8.6	140	47	115	19	12	4.1	4.9	5.2	18
21	e3.8	e6.3	8.5	54	39	126	18	16	8.9	5.2	4.4	7.6
22	e4.4	e6.1	6.9	38	40	54	16	32	19	4.9	4.3	5.9
23	e4.6	e6.0	5.9	31	33	39	16	12	12	3.8	4.3	5.6
24	e4.5	49	6.3	27	30	33	86	11	9.1	3.8	4.1	5.6
25	e4.3	86	5.8	23	400	27	26	10	6.5	4.7	4.0	5.3
26	4.5	23	5.7	21	105	24	19	9.4	6.2	10	3.9	4.9
27	4.2	15	7.6	20	54	22	17	9.1	5.7	7.4	4.0	4.9
28	4.0	11	7.5	19	43	21	16	11	6.3	5.2	4.4	4.8
29	3.8	9.2	6.0	56	---	22	15	15	18	6.1	4.5	4.6
30	3.8	7.6	5.2	93	---	22	14	11	11	12	8.1	4.6
31	3.6	---	4.7	36	---	24	---	18	---	7.2	7.9	---
TOTAL	97.1	484.5	899.5	1322.9	3410	1253	1113	363.9	481.1	279.5	227.7	393.3
MEAN	3.13	16.1	29.0	42.7	122	40.4	37.1	11.7	16.0	9.02	7.35	13.1
MAX	4.6	111	371	546	954	126	163	32	116	27	29	120
MIN	2.0	4.0	4.7	4.2	17	21	14	6.1	4.1	3.8	3.9	4.5
MED	2.6	6.4	6.9	6.2	42	32	24	11	11	7.7	4.6	5.6
CFSM	.13	.65	1.17	1.73	4.93	1.64	1.50	.48	.65	.37	.30	.53
IN.	.15	.73	1.35	1.99	5.14	1.89	1.68	.55	.72	.42	.34	.59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2001, BY WATER YEAR (WY)

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	14.6	41.6	63.3	70.1	68.4	74.2	60.6	51.7	24.6	13.4	10.8	12.1																	
MAX	40.6	146	301	246	185	246	164	281	103	55.7	67.3	67.7																	
(WY)	1976	1978	1983	1974	1990	1980	1991	1991	1989	1994	1992	1979																	
MIN	3.13	10.9	14.8	13.3	24.6	28.8	11.4	6.90	3.88	4.14	2.76	3.03																	
(WY)	2001	1999	1981	1986	2000	1988	1986	1988	1988	2000	2000	1999																	

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1973 - 2001

	2000	2001	1973-2001
ANNUAL TOTAL	7103.3	10325.5	
ANNUAL MEAN	19.4	28.3	
HIGHEST ANNUAL MEAN			42.0
LOWEST ANNUAL MEAN			79.2
HIGHEST DAILY MEAN	632	954	4910
LOWEST DAILY MEAN	2.0	2.0	1.5
ANNUAL SEVEN-DAY MINIMUM	2.1	2.3	2.1
MAXIMUM PEAK FLOW		1950	unknown
MAXIMUM PEAK STAGE		16.23	21.74
INSTANTANEOUS LOW FLOW		1.9	1.5
ANNUAL RUNOFF (CFSM)	.79	1.15	1.70
ANNUAL RUNOFF (INCHES)	10.70	15.55	23.10
10 PERCENT EXCEEDS	33	54	74
50 PERCENT EXCEEDS	8.6	10	18
90 PERCENT EXCEEDS	2.5	4.2	5.1

e Estimated

a May have been lower during periods of estimated record.

LOWER MISSISSIPPI RIVER BASIN

YAZOO RIVER BASIN

07268000 LITTLE TALLAHATCHIE RIVER AT ETTA, MS

LOCATION.--Lat 34°28'58", long 89°13'18", in SW1/4 SW1/4 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 sea level (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.: Dec. 30 - Jan. 6. Records good except for estimated daily discharges, which are poor. U.S. Army Corp of Engineers satellite telemeter at station.

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)
Jan. 19	2230	14,100	24.87	Apr. 4	1100	22,200	26.20
Feb. 17	1030	*23,500	*26.39				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	13	54	e98	527	1380	403	193	523	231	49	298
2	13	13	50	e95	418	942	347	189	275	81	38	4340
3	12	13	45	e90	343	830	6530	168	201	66	34	3120
4	12	16	41	e92	320	1550	19300	152	342	269	33	677
5	12	21	39	e96	289	937	6640	139	2820	439	32	309
6	12	20	39	e101	258	674	2120	138	744	110	34	251
7	12	19	38	100	232	565	1010	133	3810	71	38	428
8	12	61	37	96	207	509	800	133	5260	58	52	179
9	12	1560	36	84	220	463	674	486	1490	53	640	132
10	12	207	37	72	938	415	583	201	568	50	840	103
11	12	59	35	88	499	394	507	162	392	60	558	83
12	13	40	36	158	878	1130	1210	137	316	306	641	75
13	12	35	105	133	6350	1480	5980	119	262	111	1390	72
14	12	34	1490	129	5760	685	3040	105	239	72	282	69
15	12	31	422	169	2570	2390	2000	97	187	56	121	62
16	12	33	6720	130	9820	1230	1330	90	173	51	87	59
17	12	73	3840	143	21100	690	767	85	135	47	74	60
18	12	48	997	2680	7320	548	581	77	118	46	80	57
19	12	35	556	11100	2290	483	508	74	106	43	114	62
20	12	31	366	8030	1190	489	449	154	94	40	75	88
21	12	28	343	2270	978	919	409	1260	89	43	63	72
22	12	26	249	910	1500	597	377	648	97	43	56	60
23	13	27	191	682	1010	478	339	301	120	39	51	56
24	12	1130	203	574	790	421	988	308	96	37	48	55
25	12	2580	155	478	6720	372	521	244	77	35	45	53
26	12	404	142	408	3450	336	363	135	70	34	43	50
27	12	168	170	380	1880	317	307	108	65	34	60	49
28	12	102	209	328	3110	305	274	298	72	37	485	48
29	13	81	164	671	---	309	242	1690	68	44	98	45
30	13	64	e130	2300	---	327	210	369	69	82	67	43
31	13	---	e105	797	---	353	---	709	---	78	105	---
TOTAL	379	6972	17044	33482	80967	22518	58809	9102	18878	2766	6333	11055
MEAN	12.2	232	550	1080	2892	726	1960	294	629	89.2	204	368
MAX	13	2580	6720	11100	21100	2390	19300	1690	5260	439	1390	4340
MIN	12	13	35	72	207	305	210	74	65	34	32	43
MED	12	35	142	158	994	548	582	154	180	53	67	70
CFSM	.02	.44	1.05	2.05	5.50	1.38	3.73	.56	1.20	.17	.39	.70
IN.	.03	.49	1.21	2.37	5.73	1.59	4.16	.64	1.34	.20	.45	.78

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2001, BY WATER YEAR (WY)

	MEAN	129	676	1191	1485	1697	1800	1415	890	571	300	168	178
MAX	863	3877	6915	5745	5856	6449	4492	4399	3673	1974	1446	1930	
(WY)	1983	1958	1983	1974	1948	1973	1991	1983	1997	1989	1967	1958	
MIN	9.37	18.4	56.9	65.5	151	230	120	107	31.4	30.4	13.2	13.2	
(WY)	1944	1957	1939	1963	2000	1954	1986	1943	1988	2000	1954	1954	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1939 - 2001

ANNUAL TOTAL	98984	268305	
ANNUAL MEAN	270	735	
HIGHEST ANNUAL MEAN			871
LOWEST ANNUAL MEAN			1945
HIGHEST DAILY MEAN	12100	Apr 3	21100
LOWEST DAILY MEAN	12	Sep 2	12
ANNUAL SEVEN-DAY MINIMUM	12	Oct 3	12
MAXIMUM PEAK FLOW			23500
MAXIMUM PEAK STAGE			26.39
INSTANTANEOUS LOW FLOW			11
ANNUAL RUNOFF (CFSM)	.51		1.40
ANNUAL RUNOFF (INCHES)	7.00		18.98
10 PERCENT EXCEEDS	443		1490
50 PERCENT EXCEEDS	48		137
90 PERCENT EXCEEDS	13		20

e Estimated

a Also occurred on Oct. 17,19,20,21,24,25,28.

07273100 HOTOPHA CREEK NEAR BATESVILLE, MS

LOCATION.--Lat 34°21'51", long 89°52'33", in NW1/4 NW1/4 sec.30, T.8 S., R.6 W., Chickasaw Meridian, Panola County, Hydrologic Unit 08030201, on right bank about 150 ft downstream of bridge on State Highway 35, 1.2 mi upstream from mouth, 3.6 mi downstream from Harris Creek, and 4.4 mi northeast of Batesville.

DRAINAGE AREA.--35.1 mi².

PERIOD OF RECORD.--March 1986 to current year.

GAGE.--Water-stage recorder. Datum of gage is 195.45 ft above sea level.

REMARKS.--Estimated daily discharges: Dec. 30 - Jan. 5 and Jul. 26 - Aug. 7. Records fair except for estimated daily discharges, which are poor. Satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,400 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 16	1400	*3,050	*11.96				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	3.4	11	e8.7	12	103	57	11	17	11	e8.3	11
2	3.0	3.6	11	e8.6	10	81	44	10	14	11	e8.3	451
3	3.1	3.8	10	e8.6	9.4	82	282	10	13	12	e8.3	29
4	2.9	5.1	10	e8.7	9.0	156	100	10	11	12	e8.1	12
5	2.9	5.5	10	e8.7	8.8	81	53	9.7	14	12	e8.0	9.4
6	3.0	5.9	10	8.8	8.6	62	43	9.6	16	11	e8.0	7.0
7	2.9	6.9	10	8.9	8.4	53	38	10	415	11	e8.7	6.8
8	2.9	67	11	9.0	8.1	50	35	15	67	11	9.1	6.3
9	2.8	23	11	8.9	8.5	47	34	12	17	11	8.3	6.1
10	2.7	6.6	11	8.6	10	45	33	10	16	11	118	6.3
11	2.6	5.0	11	9.0	8.9	44	31	9.9	18	11	19	6.2
12	2.7	4.6	11	10	78	102	65	9.7	18	12	10	6.2
13	2.7	4.8	27	9.4	657	85	164	9.2	15	13	10	6.4
14	2.8	4.7	27	11	209	57	58	8.9	13	11	8.4	6.4
15	2.9	4.8	73	11	117	222	104	8.7	13	10	7.6	6.3
16	2.8	7.7	344	9.2	1460	78	55	8.5	13	9.8	7.3	6.3
17	2.8	7.3	45	12	422	57	40	8.4	12	9.8	6.7	6.3
18	2.9	5.4	18	240	155	50	35	8.4	11	9.9	14	6.3
19	2.7	5.1	15	474	97	49	33	8.8	11	9.7	10	7.1
20	2.8	5.0	14	60	74	48	32	8.9	11	9.5	7.8	7.2
21	2.9	4.8	12	23	56	48	31	11	11	9.4	6.7	6.9
22	2.9	4.9	12	16	84	45	31	12	12	9.1	6.3	7.2
23	2.8	5.0	10	13	57	44	54	10	12	9.1	6.2	7.3
24	3.0	485	10	12	68	42	73	12	11	8.9	6.5	7.2
25	3.0	123	9.7	10	586	41	18	11	11	9.0	8.3	7.0
26	3.0	23	9.8	9.8	125	40	14	9.5	11	e8.8	6.1	6.8
27	3.3	14	13	9.6	280	38	13	9.3	11	e8.6	5.7	7.0
28	3.3	12	12	9.2	320	38	12	25	11	e8.4	7.3	7.2
29	3.2	13	11	87	---	39	11	20	12	e8.3	6.0	7.1
30	3.3	12	e9.8	48	---	41	11	13	12	e8.3	5.8	7.0
31	3.3	---	e9.0	17	---	42	---	31	---	e8.3	9.1	---
TOTAL	90.9	881.9	808.3	1187.7	4946.7	2010	1604	360.5	849	314.9	367.9	680.3
MEAN	2.93	29.4	26.1	38.3	177	64.8	53.5	11.6	28.3	10.2	11.9	22.7
MAX	3.3	485	344	474	1460	222	282	31	415	13	118	451
MIN	2.6	3.4	9.0	8.6	8.1	38	11	8.4	11	8.3	5.7	6.1
CFSM	.08	.84	.74	1.09	5.03	1.85	1.52	.33	.81	.29	.34	.65
IN.	.10	.93	.86	1.26	5.24	2.13	1.70	.38	.90	.33	.39	.72

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2001, BY WATER YEAR (WY)

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	11.5	35.7	73.2	91.5	126	102	75.0	33.8	40.3	21.9	15.5	13.4				
MAX	23.9	97.4	242	224	367	148	376	103	95.9	106	38.5	35.8				
(WY)	1997	1992	1992	1989	1991	1991	1991	1997	1997	1989	1993	1997				
MIN	2.93	6.65	9.96	10.0	12.3	27.2	10.3	8.11	4.65	5.89	5.52	4.11				
(WY)	2001	2000	2000	2000	2000	2000	1986	1988	1988	1986	2000	1986				

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1986 - 2001

ANNUAL TOTAL	7103.8	14102.1	
ANNUAL MEAN	19.4	38.6	
HIGHEST ANNUAL MEAN			53.4
LOWEST ANNUAL MEAN			105
HIGHEST DAILY MEAN	847	Apr 2	1460
LOWEST DAILY MEAN	2.6	Oct 11	2.6
ANNUAL SEVEN-DAY MINIMUM	2.7	Oct 8	2.7
MAXIMUM PEAK FLOW			3050
MAXIMUM PEAK STAGE			11.96
INSTANTANEOUS LOW FLOW			2.4
ANNUAL RUNOFF (CFSM)	.55		1.10
ANNUAL RUNOFF (INCHES)	7.53		14.95
10 PERCENT EXCEEDS	20		73
50 PERCENT EXCEEDS	8.6		11
90 PERCENT EXCEEDS	3.6		4.8

e Estimated

07274000 YOCONA RIVER NEAR OXFORD, MS

LOCATION.--Lat 34°16'24", long 89°31'07", in SE1/4 NW1/4 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. 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 sea level. Prior to Jan. 1, 1972, at datum 5.00 ft higher.

REMARKS.--Estimated daily discharges: Nov. 8-11, Dec. 31 - Jan. 10, Jan. 19-21, Feb. 16-18, Jun. 7, 19-26, 30, Jul. 1-11, 16-24, Sept. 11, 26-30. Records good except for estimated daily discharges, which are poor. U.S. Army Corps of Engineers satellite telemeter at station.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 16	----	*8,940	*24.42	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	10	80	e72	355	1620	166	96	339	e29	18	93
2	12	11	72	e69	239	1110	149	92	227	e27	16	1550
3	12	11	65	e68	187	781	1570	85	163	e39	15	686
4	12	11	61	e67	160	826	1620	78	538	e36	15	710
5	11	12	61	e66	145	606	1220	78	1840	e29	16	442
6	12	11	59	e65	130	466	807	70	893	e24	20	428
7	14	12	58	e63	120	370	502	66	e4200	e37	25	346
8	15	e25	57	e62	112	311	355	66	1920	e33	29	182
9	15	e68	48	e60	133	272	288	62	1350	e27	29	136
10	15	e210	46	e62	213	236	241	59	754	e29	250	107
11	14	e64	44	66	215	213	200	58	425	e51	90	e80
12	13	40	46	77	461	609	480	54	260	42	60	65
13	13	37	146	73	1600	762	1910	50	198	42	51	61
14	12	31	307	85	1260	545	1300	44	190	34	44	59
15	12	30	425	82	1050	1110	1420	40	212	31	38	47
16	11	66	2390	72	e6400	778	959	36	143	e29	40	41
17	11	68	1210	115	e5400	605	683	33	113	e28	29	38
18	11	57	1010	1270	e2800	386	427	30	96	e26	86	35
19	12	51	592	e4400	1400	294	310	29	e87	e25	56	48
20	12	47	312	e3650	935	287	260	65	e78	e23	41	48
21	11	45	214	e1800	731	362	224	335	e70	e22	32	36
22	11	43	177	983	1270	325	198	462	e63	e21	27	34
23	10	42	147	641	811	266	184	281	e58	e19	23	30
24	11	984	129	466	705	223	303	180	e53	e18	21	27
25	11	664	116	316	1840	188	286	145	e49	17	19	26
26	11	339	106	239	1580	163	208	99	e44	15	17	e25
27	11	199	123	201	1770	149	161	77	38	17	19	e24
28	10	127	124	174	2340	138	135	250	38	21	35	e23
29	10	107	111	456	---	135	120	360	37	29	33	e22
30	10	90	94	784	---	146	104	203	e34	42	45	e21
31	10	---	e78	516	---	153	---	411	---	23	71	---
TOTAL	368	3512	8508	17120	34362	14435	16790	3994	14510	885	1310	5470
MEAN	11.9	117	274	552	1227	466	560	129	484	28.5	42.3	182
MAX	15	984	2390	4400	6400	1620	1910	462	4200	51	250	1550
MIN	10	10	44	60	112	135	104	29	34	15	15	21
CFSM	.05	.45	1.05	2.11	4.68	1.78	2.14	.49	1.85	.11	.16	.70
IN.	.05	.50	1.21	2.43	4.88	2.05	2.38	.57	2.06	.13	.19	.78

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2001, BY WATER YEAR (WY)

	73.7	273	578	601	694	784	716	437	264	126	84.9	103
MEAN	73.7	273	578	601	694	784	716	437	264	126	84.9	103
MAX	424	2145	3396	2086	2204	2558	2545	2055	1632	752	487	1239
(WY)	1983	1958	1983	1974	1991	1973	1991	1983	1997	1994	1982	1958
MIN	11.9	12.8	37.7	44.2	112	95.5	84.0	52.7	19.1	16.6	8.20	7.15
(WY)	2001	1957	1956	1956	1972	1954	1986	1965	1988	1960	1954	1956

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1952 - 2001

	55087	121264	
ANNUAL TOTAL	55087	121264	
ANNUAL MEAN	151	332	393
HIGHEST ANNUAL MEAN			877
LOWEST ANNUAL MEAN			123
HIGHEST DAILY MEAN	4310	Apr 3	25600
LOWEST DAILY MEAN	10	Aug 30	5.1
ANNUAL SEVEN-DAY MINIMUM	10	Oct 26	5.7
MAXIMUM PEAK FLOW		8940	44100
MAXIMUM PEAK STAGE		24.42a	28.72
INSTANTANEOUS LOW FLOW		8.8	4.4
ANNUAL RUNOFF (CFSM)	.57	1.27	1.50
ANNUAL RUNOFF (INCHES)	7.82	17.22	20.38
10 PERCENT EXCEEDS	304	945	982
50 PERCENT EXCEEDS	50	78	99
90 PERCENT EXCEEDS	11	15	18

e Estimated

a From flood mark.

b Also occurred on Oct. 24, 25, 27, 30, 31.

07274251 TOWN CREEK AT WATER VALLEY, MS

LOCATION.--Lat 34°08'52", long 89°37'51", in NE1/4 NE1/4 sec.8, T.11 S., R.4 W., Chickasaw Meridian, Valobusha County, Hydrologic Unit 08030203, 30 feet upstream of triple box culvert on right bank, 0.3 mi south of the intersection of Mississippi State Highways 7 and 315, on Mississippi State Highway 7 in Water Valley.

DRAINAGE AREA.--3.97 mi², revised.

PERIOD OF RECORD.--January 1985 to current year.

REVISIONS.--The maximum peak discharges for some water years have been revised as shown in the following table. They supersede figures published in reports for 1997, 1998, 1999 and 2000.

Water Year	Date	Discharge (ft ³ /s)	Gage Height (ft)
1997	Jul. 9	594	7.24
1998	Apr. 28	535	7.01
1999	Apr. 24	672	7.54
2000	Apr. 3	441	6.62

GAGE.--Water-stage recorder, crest-stage gage, and culvert control. Datum of gage is 276.00 ft above sea level.

REMARKS.--Estimated daily discharges: Oct. 1 and Nov. 8-13. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

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)
Feb. 16	1345	568	7.14	Jun. 4	1730	*593	*7.24
May 28	1500	362	6.28	Jun. 7	0830	411	6.49
May 31	0015	383	6.37	Sep. 2	0615	462	6.71

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e1.8	6.1	1.8	2.2	2.2	32	2.2	1.8	1.8	2.2	1.8	2.2
2	1.8	6.6	4.6	2.2	2.2	8.6	2.3	1.8	1.8	5.4	1.8	85
3	1.8	11	3.4	2.2	2.2	21	4.1	1.8	1.8	11	1.8	2.2
4	1.8	18	3.2	2.2	2.2	13	2.2	1.8	80	1.8	1.8	2.2
5	1.8	5.4	3.2	2.2	2.2	2.3	2.2	1.8	13	1.8	1.8	2.2
6	12	34	5.1	2.2	2.2	2.2	2.2	1.8	17	1.8	1.8	2.2
7	1.8	3.3	4.6	2.2	2.2	2.2	2.2	1.8	205	8.6	1.8	2.2
8	1.8	e43	5.0	2.2	2.2	2.2	2.2	1.8	18	1.8	1.8	2.2
9	1.8	e40	2.3	2.2	7.9	2.3	2.2	1.8	2.2	1.8	1.8	2.2
10	1.8	e32	5.2	2.2	2.2	2.5	2.2	1.8	2.2	1.8	28	2.2
11	1.8	e25	7.6	2.7	2.2	2.4	2.2	1.8	2.2	1.8	2.2	2.2
12	1.8	e16	1.8	2.2	47	25	26	1.8	2.2	1.8	2.2	2.2
13	1.8	e11	37	2.2	36	3.4	33	1.8	2.2	1.8	2.2	2.2
14	1.8	5.0	1.9	2.7	13	13	8.5	1.8	2.2	1.8	2.2	2.2
15	1.8	5.2	57	2.2	4.8	32	36	1.8	2.2	1.8	2.2	2.2
16	1.8	23	83	2.2	260	2.4	1.8	1.8	2.2	1.8	2.2	2.2
17	1.8	4.1	2.6	29	76	2.2	1.8	1.8	2.2	1.8	2.2	2.2
18	1.9	2.7	2.2	97	21	2.2	1.8	1.8	2.2	1.8	2.2	2.2
19	1.9	2.0	2.2	123	2.8	2.2	1.8	1.8	2.2	1.8	2.2	2.2
20	2.6	2.0	2.3	34	2.2	2.3	1.8	1.8	2.2	1.8	2.2	2.2
21	1.8	2.0	4.8	11	7.9	2.2	1.8	7.2	2.2	1.8	2.2	2.2
22	1.8	1.9	2.2	2.7	3.3	2.2	1.8	1.8	2.2	1.8	2.2	2.2
23	8.2	3.8	2.2	2.2	2.2	2.2	11	1.8	2.2	1.8	2.2	2.2
24	4.2	125	2.2	2.2	22	2.5	1.8	5.6	2.2	1.8	2.2	2.2
25	3.6	5.5	2.2	2.2	86	2.2	1.8	1.8	2.2	1.8	2.2	2.2
26	3.1	1.8	2.9	2.2	6.6	2.8	1.8	1.8	2.2	1.8	2.2	2.2
27	3.3	2.3	11	2.2	106	2.3	1.8	11	2.2	1.8	3.7	2.2
28	4.5	2.5	2.2	2.2	94	2.3	1.8	25	2.2	1.8	2.2	2.2
29	4.2	4.5	2.2	42	---	2.3	1.8	1.8	2.2	1.8	2.2	2.2
30	4.2	1.8	2.2	8.2	---	2.2	1.8	5.0	2.2	1.8	2.2	2.2
31	6.0	---	2.2	2.2	---	6.6	---	36	---	1.8	13	---
TOTAL	92.1	446.5	272.3	398.5	820.7	205.2	165.9	134.8	386.8	75.8	102.7	148.8
MEAN	2.97	14.9	8.78	12.9	29.3	6.62	5.53	4.35	12.9	2.45	3.31	4.96
MAX	12	125	83	123	260	32	36	36	205	11	28	85
MIN	1.8	1.8	1.8	2.2	2.2	2.2	1.8	1.8	1.8	1.8	1.8	2.2
MED	1.8	5.3	2.6	2.2	4.1	2.3	2.2	1.8	2.2	1.8	2.2	2.2
CFSM	.75	3.75	2.21	3.24	7.38	1.67	1.39	1.10	3.25	.62	.83	1.25
IN.	.86	4.18	2.55	3.73	7.69	1.92	1.55	1.26	3.62	.71	.96	1.39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2001, BY WATER YEAR (WY)

	MEAN	3.04	5.20	7.35	7.61	10.8	7.60	8.58	4.30	6.05	3.99	3.39	3.15
MAX	5.19	14.9	19.4	20.9	35.5	15.0	29.5	9.37	17.8	7.11	6.80	6.97	
(WY)	1997	2001	1991	1997	1991	1997	1991	1991	1997	1989	1992	1996	
MIN	1.96	2.37	2.69	2.65	2.60	2.96	2.36	2.30	2.08	2.29	1.94	1.61	
(WY)	1990	1998	1990	1986	1986	1993	1986	1987	1988	1987	2000	1998	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1986 - 2001

ANNUAL TOTAL	2483.8	3250.1	
ANNUAL MEAN	6.79	8.90	
HIGHEST ANNUAL MEAN			5.88
LOWEST ANNUAL MEAN			10.2
HIGHEST DAILY MEAN	189	Apr 3	3.39
LOWEST DAILY MEAN	1.5	Jan 14	1.3
ANNUAL SEVEN-DAY MINIMUM	1.7	Aug 31	1.3
MAXIMUM PEAK FLOW			593
MAXIMUM PEAK STAGE			7.24
INSTANTANEOUS LOW FLOW			1.8a
ANNUAL RUNOFF (CFSM)	1.71		2.24
ANNUAL RUNOFF (INCHES)	23.27		30.45
10 PERCENT EXCEEDS	11		21
50 PERCENT EXCEEDS	2.4		2.2
90 PERCENT EXCEEDS	1.8		1.8

e Estimated

a Occurred many days due to base flow conditions.

07274252 OTOUCALOPA CREEK CANAL NEAR WATER VALLEY, MS

LOCATION.--Lat 34°08'04", long 89°38'59", in SE1/4 NE1/4 sec.7, T.11 S., R.4 W., Chickasaw Meridian, Yalobusha County, Hydrologic Unit 08030203, on right bank at upstream side of bridge on State Highway 7 Bypass, 1.0 mi west of Water Valley, 4.2 mi upstream from mouth, and 0.1 mi downstream from Johnson Creek.

DRAINAGE AREA.--97.1 mi².

PERIOD OF RECORD.--July 1985 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 250.95 ft above sea level.

REMARKS.--Estimated daily discharges: Nov. 16-18, 22-24 and Dec. 31 - Jan 4. Records good except for estimated daily discharges, which are poor. Unpublished records of daily specific conductance, pH, water temperature, and dissolved oxygen during selected storm events are available in files of District office. Satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,800 ft³/s and maimum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 16	1500	*8,480	*15.40	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	19	30	e42	67	366	97	44	77	28	25	45
2	20	20	29	e41	57	218	77	44	53	29	24	1620
3	20	20	28	e40	51	226	74	41	48	36	23	166
4	20	25	27	e39	49	271	81	39	534	29	26	63
5	20	24	27	39	46	180	74	39	436	28	25	43
6	25	26	27	39	44	145	69	39	131	27	25	58
7	22	23	27	39	41	131	63	38	1870	31	25	61
8	21	35	26	38	39	121	60	37	531	26	25	34
9	21	110	26	36	49	113	59	37	140	24	24	30
10	21	37	26	34	78	104	57	36	84	24	135	28
11	21	28	27	40	52	99	54	36	66	23	46	26
12	21	26	28	45	325	468	105	38	58	39	29	25
13	21	26	147	40	797	248	723	35	51	46	27	25
14	20	27	167	44	346	145	213	33	48	28	27	24
15	20	27	479	44	160	579	597	32	46	25	24	23
16	20	e38	1680	40	3550	200	187	30	42	24	23	23
17	19	e34	336	92	1570	135	112	29	38	23	23	23
18	19	e30	101	1500	492	117	89	29	36	22	23	23
19	19	29	72	2700	249	110	79	29	34	22	29	22
20	19	27	57	636	178	115	72	28	33	21	25	21
21	19	27	60	211	155	131	66	38	32	22	22	21
22	19	e24	53	115	236	107	62	43	31	22	22	21
23	19	e30	48	89	155	93	70	34	31	21	22	21
24	19	e750	48	76	146	88	174	37	31	20	21	21
25	19	314	45	64	1150	81	84	36	30	21	21	21
26	19	67	44	59	276	76	64	31	29	21	21	21
27	20	44	68	56	1450	73	56	33	29	21	21	20
28	19	36	62	52	1520	72	52	104	29	21	24	20
29	19	35	50	390	---	73	49	91	31	21	23	20
30	19	32	44	404	---	77	46	44	29	45	23	19
31	19	---	e43	107	---	77	---	326	---	34	41	---
TOTAL	619	1990	3932	7191	13328	5039	3665	1530	4658	824	894	2588
MEAN	20.0	66.3	127	232	476	163	122	49.4	155	26.6	28.8	86.3
MAX	25	750	1680	2700	3550	579	723	326	1870	46	135	1620
MIN	19	19	26	34	39	72	46	28	29	20	21	19
CFSM	.21	.68	1.31	2.39	4.90	1.67	1.26	.51	1.60	.27	.30	.89
IN.	.24	.76	1.51	2.75	5.11	1.93	1.40	.59	1.78	.32	.34	.99

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2001, BY WATER YEAR (WY)

	MEAN	51.4	112	236	243	340	282	275	155	158	82.0	58.0	51.5
MAX	156	496	832	465	1018	535	1351	778	539	366	193	116	
(WY)	1998	1987	1992	1989	1991	1997	1991	1991	1997	1989	1992	1997	
MIN	20.0	31.4	49.6	42.0	69.1	103	49.1	30.5	19.3	24.6	18.2	18.7	
(WY)	2001	1999	2000	1986	1986	1988	1986	1988	1988	1988	1988	1986	

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1986 - 2001
ANNUAL TOTAL	30270	46258	
ANNUAL MEAN	82.7	127	169
HIGHEST ANNUAL MEAN			393
LOWEST ANNUAL MEAN			66.8
HIGHEST DAILY MEAN	2640	Apr 3	14800
LOWEST DAILY MEAN	18	Sep 1	13
ANNUAL SEVEN-DAY MINIMUM	19	Oct 17	14
MAXIMUM PEAK FLOW			8480
MAXIMUM PEAK STAGE			15.40
INSTANTANEOUS LOW FLOW			19
ANNUAL RUNOFF (CFSM)	.85	1.31	1.74
ANNUAL RUNOFF (INCHES)	11.60	17.72	23.69
10 PERCENT EXCEEDS	110	221	312
50 PERCENT EXCEEDS	35	38	61
90 PERCENT EXCEEDS	21	21	25

e Estimated

a Also occurred in part on Oct. 3-5, 16-30, Nov. 1-3, Aug. 26,27 and Sept. 29,30.

YAZOO RIVER BASIN

125

07275530 PETERS (LONG) CREEK NEAR POPE, MS

LOCATION.--Lat 34°12'51", long 89°58'45", in NW1/4 SW1/4 sec.18, T.10 S., R.7 W., Chickasaw Meridian, Panola County, Hydrologic Unit 08030203, near right bank on downstream side of bridge on county road, 1.5 mi west of Pope, 3.0 mi upstream from mouth, and 0.4 mi downstream from Bobo Bayou.

DRAINAGE AREA.--79.2 mi².

PERIOD OF RECORD.--December 1986 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 182.51 ft above sea level.

REMARKS.--Estimated daily discharges: Dec. 20, Jul. 28,29, Aug. 10,18,19,27-31 and Sept. 1-4, 18,19,23,29. Records good except for estimated daily discharges, which are poor. Unpublished records of daily specific conductance, pH, and water temperature during selected storm events are available in files of District office. Satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 16	1415	*17,400	*18.00	Jun. 7	1145	16,300	17.51
Feb. 25	0130	9,710	14.20				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.4	9.1	15	11	22	222	34	17	45	12	11	e44
2	6.3	9.5	15	11	16	121	29	16	21	12	11	e300
3	6.2	11	15	11	12	125	264	16	18	24	11	e55
4	6.0	18	15	11	11	355	109	15	16	16	12	e30
5	6.2	14	15	11	11	104	45	15	21	12	12	19
6	8.2	17	15	11	11	67	37	15	21	12	13	17
7	6.8	18	15	11	11	55	32	151	4820	11	21	17
8	6.6	385	15	11	11	51	30	63	311	11	16	15
9	6.8	154	15	11	12	38	28	22	84	11	13	15
10	6.9	21	15	11	14	33	26	17	57	11	e1800	13
11	7.1	11	15	11	11	32	25	17	46	11	72	12
12	7.1	9.5	15	11	394	278	51	19	38	12	56	12
13	6.9	11	76	11	1990	118	271	14	25	31	37	12
14	7.2	9.4	69	11	411	57	64	14	21	14	20	11
15	7.2	8.6	380	11	317	595	519	14	23	12	17	11
16	7.3	31	892	11	7830	117	107	14	20	11	16	11
17	7.6	25	155	23	718	59	43	14	18	11	16	11
18	7.9	10	41	939	190	48	33	14	17	11	e95	e11
19	7.9	8.3	25	1560	103	44	30	14	16	11	e30	e12
20	8.1	7.5	e15	198	81	41	27	14	16	11	17	11
21	8.1	7.2	12	68	74	38	25	21	15	11	15	11
22	8.1	7.3	11	39	302	35	23	17	19	11	15	11
23	8.3	7.8	11	28	102	34	98	13	16	11	14	e11
24	8.3	2690	11	35	284	32	150	18	14	11	14	11
25	8.5	274	11	19	2320	30	31	14	14	11	14	10
26	8.5	47	11	12	187	30	24	14	13	11	14	10
27	8.6	24	17	11	1180	29	22	39	13	19	e15	10
28	8.5	18	15	11	980	28	20	331	13	e42	e18	11
29	8.6	18	11	278	---	28	19	88	13	e24	e15	e11
30	8.7	15	11	192	---	31	18	22	13	13	e15	10
31	8.9	---	11	47	---	30	---	317	---	12	e22	---
TOTAL	233.8	3896.2	1965	3636	17605	2905	2234	1389	5797	443	2467	745
MEAN	7.54	130	63.4	117	629	93.7	74.5	44.8	193	14.3	79.6	24.8
MAX	8.9	2690	892	1560	7830	595	519	331	4820	42	1800	300
MIN	6.0	7.2	11	11	11	28	18	13	13	11	11	10
CFSM	.10	1.64	.80	1.48	7.94	1.18	.94	.57	2.44	.18	1.00	.31
IN.	.11	1.83	.92	1.71	8.27	1.36	1.05	.65	2.72	.21	1.16	.35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2001, BY WATER YEAR (WY)

	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
MEAN	17.2	65.2	142	182	293	223	193	76.5	88.0	47.1	35.7	27.4			
MAX	43.0	214	418	393	836	350	947	257	333	323	79.6	133			
(WY)	1997	1992	1992	1989	1991	1995	1991	1989	1997	1989	2001	1997			
MIN	7.54	10.7	19.6	14.5	17.0	57.6	36.2	13.6	9.26	10.7	7.93	8.28			
(WY)	2001	1999	2000	2000	2000	1993	1992	1988	1988	2000	2000	2000			

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1987 - 2001

ANNUAL TOTAL	19614.4	43316.0	
ANNUAL MEAN	53.6	119	117
HIGHEST ANNUAL MEAN			228
LOWEST ANNUAL MEAN			40.3
HIGHEST DAILY MEAN	3140	Apr 3	11700
LOWEST DAILY MEAN	6.0	Oct 4	1.8
ANNUAL SEVEN-DAY MINIMUM	6.4	Sep 29	2.6
MAXIMUM PEAK FLOW			26500
MAXIMUM PEAK STAGE			21.13
INSTANTANEOUS LOW FLOW			1.6
ANNUAL RUNOFF (CFSM)	.68	1.50	1.48
ANNUAL RUNOFF (INCHES)	9.21	20.35	20.13
10 PERCENT EXCEEDS	30	168	169
50 PERCENT EXCEEDS	13	15	20
90 PERCENT EXCEEDS	7.4	8.8	10

e Estimated

YAZOO RIVER BASIN

07275900 COLDWATER RIVER NEAR OLIVE BRANCH, MS

LOCATION.--Lat 34°54'28", long 89°45'02", in SE1/4 SW1/4 sec.17, T.2 S., R.5 W., Chickasaw Meridian, Desoto County, Hydrologic Unit 08030204 at State Highway 178, about 7 miles east of Olive Branch, Mississippi.

DRAINAGE AREA.--191 mi².

PERIOD OF RECORD.--October 1996 to current year.

GAGE.--Water-stage recorder. Datum of gage is 280.0 ft above sea level (Mississippi Department of Transportation datum).

REMARKS.--Estimated daily discharges: Dec. 23, Dec. 31 - Jan. 5 and Sept. 1-10. Records good except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	47	72	e56	159	169	122	63	153	39	76	e70
2	41	47	67	e55	101	137	122	61	96	38	49	e58
3	40	47	65	e54	81	122	100	59	65	40	42	e49
4	40	50	63	e53	72	231	92	57	57	50	40	e43
5	38	55	62	e56	69	241	113	55	56	46	39	e42
6	38	65	62	60	66	193	144	55	157	43	39	e42
7	37	69	63	63	64	134	103	55	177	42	39	e45
8	36	100	64	63	63	110	85	56	198	41	42	e48
9	35	93	65	63	66	99	77	63	242	39	43	e52
10	36	120	64	60	78	93	74	61	125	45	46	e58
11	38	91	65	59	83	87	68	58	68	49	47	46
12	38	65	66	73	79	151	102	55	56	46	78	42
13	38	59	96	88	554	214	610	54	52	49	203	41
14	38	58	129	80	1150	167	1270	54	51	46	206	42
15	38	59	151	84	2440	221	1550	51	47	42	94	48
16	39	61	306	82	2990	220	916	50	47	40	54	44
17	39	71	246	74	4010	159	429	49	45	40	46	42
18	40	80	257	157	3290	113	201	48	42	42	43	41
19	40	64	250	441	1620	96	132	47	41	41	42	130
20	41	58	122	412	742	89	108	48	40	58	44	196
21	41	53	86	473	265	87	97	51	39	41	42	265
22	41	51	76	308	161	86	91	73	39	39	40	212
23	42	51	e68	128	132	87	79	79	39	38	40	79
24	43	191	64	99	129	78	121	61	39	38	39	58
25	43	249	64	86	419	74	221	52	38	37	39	50
26	44	235	65	78	493	71	185	49	37	39	39	47
27	45	174	66	73	555	67	106	46	37	39	40	45
28	45	100	74	70	265	66	83	47	36	39	39	44
29	46	81	76	114	---	67	73	50	41	41	39	44
30	46	77	68	215	---	74	68	52	38	48	40	43
31	47	---	e60	235	---	98	---	145	---	77	41	---
TOTAL	1254	2621	3102	4012	20196	3896	7550	1804	2198	1352	1750	2066
MEAN	40.5	87.4	100	129	721	126	252	58.2	73.3	43.6	56.5	68.9
MAX	47	249	306	473	4010	241	1550	145	242	77	206	265
MIN	35	47	60	53	63	66	68	46	36	37	39	41
MED	40	65	67	78	160	99	107	55	47	41	42	46
CFSM	.21	.46	.52	.68	3.78	.66	1.32	.30	.38	.23	.30	.36
IN.	.24	.51	.60	.78	3.93	.76	1.47	.35	.43	.26	.34	.40

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2001, BY WATER YEAR (WY)

	1997	1998	1999	2000	2001
MEAN	87.9	109	157	321	443
MAX	150	175	231	611	721
(WY)	1997	1997	1997	1999	2001
MIN	40.5	78.9	100	90.4	175
(WY)	2001	2000	2001	2000	2000

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1997 - 2001
ANNUAL TOTAL	37325	51801	
ANNUAL MEAN	102	142	202
HIGHEST ANNUAL MEAN			304
LOWEST ANNUAL MEAN			103
HIGHEST DAILY MEAN	815	4010	6700
LOWEST DAILY MEAN	34	35	34
ANNUAL SEVEN-DAY MINIMUM	35	37	35
MAXIMUM PEAK FLOW		4440	9030
MAXIMUM PEAK STAGE		9.71	10.84
INSTANTANEOUS LOW FLOW		35	34
ANNUAL RUNOFF (CFSM)	.53	.74	1.06
ANNUAL RUNOFF (INCHES)	7.27	10.09	14.39
10 PERCENT EXCEEDS	187	217	338
50 PERCENT EXCEEDS	65	63	92
90 PERCENT EXCEEDS	38	39	46

e Estimated

07277700 HICKAHALA CREEK NEAR SENATOBIA, MS

LOCATION.--Lat 34°37'54", long 89°55'30", in SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.22, T.5 S., R.7 W., Chickasaw Meridian, Tate County, Hydrologic Unit 08030204, on left bank at downstream side of bridge on county road, 1.7 mi east of Senatobia, 1.5 mi upstream from mouth, and 0.9 mi downstream from Basket Creek.

DRAINAGE AREA.--121 mi².

PERIOD OF RECORD.--Water years 1975, 1987-97, 1999.

PERIOD OF DAILY RECORD.--

DISCHARGE: February 1986 to current year.

SPECIFIC CONDUCTANCE: February 1986 to September 1989.

pH: February 1986 to September 1989.

WATER TEMPERATURE: February 1986 to September 1989.

DISSOLVED OXYGEN: February 1986 to September 1989.

SUSPENDED SEDIMENT CONCENTRATION: February 1986 to current year.

SUSPENDED SEDIMENT DISCHARGE: February 1986 to current year.

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 233.02 ft above sea level. September 4, 1942 to February 6, 1986, discharge measurements and gage height record at same site and datum in files of U.S. Army Corps of Engineers, Vicksburg District. Automatic pumping sediment sampler since February 1986.

REMARKS.--Estimated daily discharges: Oct. 1. Discharge records good except for estimated daily discharges, which are poor. Satellite telemeter at station. Unpublished records of daily specific conductance, pH, water temperature, and dissolved oxygen during selected storm events are available in files of District office.

AVERAGE DISCHARGE.--15 years, 177 ft³/s, 19.88 in/yr.

EXTREMES FOR PERIOD OF DAILY RECORD.--

DISCHARGE: Maximum, 19,100 ft³/s, Feb. 3, 1990, maximum gage height, 19.91 ft, Feb. 3, 1990; minimum daily mean, 22 ft³/s, July 6-11, 1988.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 5,110 mg/L, Feb. 21, 1989; minimum daily mean, 2 mg/L, Oct. 16, 1987.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 118,000 tons, Feb. 3, 1990; minimum daily, 0.15 ton, Oct. 16, 1987.

EXTREMES OUTSIDE PERIOD OF RECORD.--

DISCHARGE: Flood of June 22, 1947, reached a stage of 20.6 ft, from flood mark (from information by U.S. Army Corps of Engineers).

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum, 10,500 ft³/s, Feb. 16, maximum gage height, 16.39 ft, Feb. 16; minimum daily mean, 28 ft³/s, Oct. 24-25.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 2,770 mg/L, Feb. 16; minimum daily mean, 13 mg/L, Sept. 26-28.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 49,100 tons, Feb. 16; minimum daily, 1.1 tons, Sept. 26, 27, 29.

07277700 HICKAHALA CREEK NEAR SENATOBIA, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
OCTOBER			NOVEMBER			DECEMBER			
1	35	18	1.7	33	15	1.3	35	20	1.9
2	32	16	1.6	33	16	1.4	35	20	1.9
3	32	16	1.4	33	16	1.4	35	19	1.8
4	32	15	1.3	34	17	1.5	35	19	1.8
5	32	15	1.3	33	17	1.5	34	19	1.7
6	32	15	1.4	37	18	1.8	34	18	1.7
7	35	16	1.5	38	18	1.8	34	18	1.6
8	36	16	1.6	38	17	1.8	33	18	1.6
9	36	17	1.6	41	17	1.9	32	18	1.6
10	37	17	1.7	37	16	1.6	31	19	1.6
11	36	18	1.7	35	15	1.5	30	19	1.5
12	36	18	1.7	33	15	1.3	32	19	1.7
13	34	18	1.7	36	15	1.4	74	37	12
14	35	19	1.8	36	19	1.9	85	28	7.5
15	33	19	1.7	36	24	2.3	41	19	2.1
16	33	19	1.6	41	28	3.2	685	287	880
17	33	18	1.6	39	33	3.5	113	86	29
18	34	18	1.6	37	37	3.8	62	45	7.6
19	34	17	1.6	36	42	4.1	55	40	6.0
20	33	17	1.5	36	45	4.4	49	39	5.1
21	31	17	1.4	36	45	4.4	46	37	4.7
22	29	16	1.3	36	44	4.3	43	36	4.2
23	29	16	1.2	35	43	4.1	42	34	3.9
24	28	15	1.2	361	231	374	40	33	3.6
25	28	15	1.1	235	168	145	40	31	3.3
26	29	15	1.2	54	65	9.8	40	29	3.2
27	30	15	1.2	42	42	4.8	42	28	3.2
28	30	15	1.2	40	31	3.4	40	26	2.8
29	30	15	1.2	37	22	2.2	39	25	2.6
30	30	15	1.2	35	21	1.9	38	23	2.4
31	32	15	1.3	---	---	---	37	22	2.2
JANUARY			FEBRUARY			MARCH			
1	37	20	2.0	82	52	12	144	186	73
2	37	18	1.8	73	48	9.4	100	147	40
3	36	17	1.6	69	44	8.2	105	144	49
4	35	15	1.5	76	50	11	516	477	742
5	34	14	1.3	71	30	6.0	161	158	71
6	34	15	1.3	64	24	4.2	102	89	25
7	35	15	1.4	60	25	4.0	84	53	12
8	34	16	1.5	59	25	4.0	73	46	9.0
9	33	16	1.5	65	25	4.4	67	51	9.1
10	33	17	1.5	69	25	4.7	63	56	9.5
11	38	17	1.8	67	26	4.7	56	60	9.1
12	35	17	1.7	87	54	16	118	111	41
13	32	18	1.5	1600	1370	9410	142	136	55
14	35	18	1.7	816	1130	3980	80	85	18
15	32	18	1.5	645	651	1360	196	143	84
16	36	24	2.5	5220	2770	49100	118	92	30
17	36	32	3.2	822	599	1850	79	61	13
18	268	196	284	221	192	118	69	54	10
19	1030	803	2360	149	111	45	68	46	8.5
20	179	305	162	117	79	25	69	38	7.1
21	81	127	28	107	60	17	64	31	5.3
22	59	68	11	118	55	18	59	24	3.9
23	47	40	5.1	100	52	14	55	23	3.5
24	41	35	3.8	108	72	37	53	23	3.3
25	36	33	3.3	819	676	2170	52	22	3.2
26	36	32	3.1	150	163	70	51	22	3.0
27	34	31	2.8	238	273	239	52	21	3.0
28	31	29	2.5	371	414	463	51	22	3.0
29	229	194	254	---	---	---	53	25	3.6
30	241	153	114	---	---	---	58	28	4.4
31	104	85	24	---	---	---	58	32	5.0

07277700 HICKAHALA CREEK NEAR SENATOBIA, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
APRIL			MAY			JUNE			
1	60	35	5.7	46	34	4.3	46	61	7.6
2	54	39	5.7	45	27	3.3	39	49	5.2
3	427	343	657	43	27	3.1	37	40	4.0
4	182	125	70	42	28	3.1	194	160	262
5	88	59	14	44	28	3.3	231	261	200
6	67	44	8.4	45	28	3.4	105	169	51
7	72	42	8.4	45	28	3.4	261	267	208
8	52	35	4.9	44	29	3.4	133	135	52
9	49	36	4.8	44	29	3.4	68	81	15
10	48	35	4.5	50	39	6.2	55	56	8.4
11	49	32	4.3	71	67	14	50	44	6.0
12	387	305	417	47	49	6.3	49	34	4.5
13	1470	1360	7250	40	45	4.8	46	32	4.0
14	297	298	247	37	41	4.1	44	31	3.7
15	460	374	505	38	37	3.8	47	31	4.0
16	221	90	59	38	35	3.6	43	31	3.6
17	129	58	20	37	34	3.4	40	31	3.3
18	100	52	14	36	33	3.2	38	30	3.1
19	89	47	11	37	32	3.2	36	30	2.9
20	80	42	9.1	265	252	556	36	29	2.8
21	76	37	7.5	218	500	314	36	28	2.8
22	68	32	5.8	147	323	140	37	27	2.8
23	86	79	52	61	120	20	37	27	2.7
24	254	304	285	59	98	16	36	26	2.5
25	82	99	22	49	83	11	35	25	2.3
26	67	80	14	46	72	8.9	34	24	2.2
27	60	71	11	43	61	7.2	35	24	2.3
28	55	62	9.2	43	50	5.9	36	24	2.3
29	54	53	7.7	40	42	4.5	36	24	2.3
30	48	43	5.6	41	44	4.8	37	23	2.3
31	---	---	---	59	68	12	---	---	---
JULY			AUGUST			SEPTEMBER			
1	36	23	2.3	33	24	2.2	69	34	6.4
2	35	23	2.2	32	24	2.1	59	31	4.8
3	34	23	2.1	31	24	2.1	53	27	3.9
4	34	23	2.1	33	25	2.2	42	24	2.8
5	36	23	2.2	33	25	2.2	38	21	2.2
6	35	22	2.2	32	25	2.1	36	19	1.8
7	34	22	2.0	34	25	2.3	36	19	1.8
8	34	22	2.0	35	26	2.5	50	19	2.5
9	33	22	1.9	47	37	4.9	42	18	2.1
10	38	27	3.2	41	29	3.3	32	18	1.6
11	44	32	4.0	37	28	2.8	34	18	1.7
12	37	27	2.7	35	27	2.6	34	18	1.6
13	33	26	2.3	47	37	5.1	34	18	1.7
14	31	26	2.2	34	25	2.3	33	18	1.6
15	32	26	2.2	34	23	2.1	31	19	1.6
16	32	25	2.2	34	23	2.1	31	19	1.6
17	34	25	2.3	35	22	2.1	31	19	1.6
18	33	24	2.2	42	22	2.5	31	19	1.6
19	32	24	2.0	40	21	2.3	32	20	1.7
20	33	24	2.1	39	21	2.2	31	20	1.7
21	30	23	1.9	40	21	2.3	31	19	1.6
22	31	23	1.9	40	22	2.3	31	18	1.5
23	31	22	1.9	40	22	2.4	30	17	1.3
24	32	22	1.9	41	22	2.4	31	15	1.3
25	33	22	2.0	41	22	2.5	31	14	1.2
26	30	23	1.9	41	23	2.5	32	13	1.1
27	36	23	2.3	257	237	724	31	13	1.1
28	36	23	2.3	305	219	304	33	13	1.2
29	34	24	2.2	70	73	14	31	14	1.1
30	34	24	2.2	63	53	9.2	31	14	1.2
31	33	24	2.2	77	43	8.8	---	---	---

YAZOO RIVER BASIN

07277730 SENATOBIA CREEK NEAR SENATOBIA,

LOCATION.--Lat 34°37'01", Long 89°56'19", in SE1/4 NW1/4 sec. 28, T.5 S., R.7 W., Chickasaw Meridian, Tate County, Hydrologic Unit 08030204, on right bank at upstream side of bridge on State Highway 4, 0.5 mi east of Senatobia, 1.4 mi upstream of Hichahalaw Creek, and 4.1 mi downstream of Nelso Creek.

DRAINAGE AREA.--62.8 mi².

PERIOD OF RECORD.--February 1986 to current year. Sept. 3, 1942, to Dec. 15, 1973, and Oct. 18, 1974 to Oct. 2, 1985, (gage heights and occasional discharge measurements) in reports of U.S. Army Corps of Engineers, Vicksburg district.

REVISED RECORDS.--WDR MS-97-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 233.80 ft above sea level.

REMARKS.--Estimated daily discharges: Oct. 1 - Nov. 8, Nov. 26-30, Feb. 18-22, Feb. 26-27, Mar. 14, Mar. 16-21, May 24-28, Jun. 6, Jun. 9-19 and Aug. 11-15. Records fair except for estimated daily discharges, which are poor. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Nov. 28, 1982, reached a stage of 26.10 ft (from information by US Army Corps of Engineers).

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 16	1445	*9,740	*16.31	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e12	e7.4	12	13	19	93	16	17	26	13	12	25
2	e12	e7.9	12	13	17	59	15	18	19	13	11	15
3	e11	e8.8	11	12	15	51	821	17	18	12	11	13
4	e12	e11	11	12	15	404	208	17	228	12	12	12
5	e11	e10	11	12	14	79	76	17	189	12	12	12
6	e12	e11	11	11	14	47	46	17	e68	13	12	12
7	e12	e9.7	11	11	13	38	36	17	582	12	12	12
8	e12	e10	10	11	12	32	31	16	111	12	12	12
9	e13	11	9.8	10	13	29	28	14	e38	11	12	12
10	e13	10	9.8	10	13	25	25	14	e27	12	151	11
11	e13	9.6	9.9	12	12	22	23	23	e25	12	e34	11
12	e12	9.3	9.4	11	30	56	340	14	e20	12	e20	11
13	e13	9.5	23	10	1290	66	1050	12	e20	13	e18	11
14	e13	9.1	32	11	557	e32	129	12	e19	12	e17	11
15	e13	9.0	12	11	520	146	240	12	e25	12	e14	11
16	e12	10	642	10	2970	e53	76	12	e19	12	11	11
17	e14	9.3	48	11	579	e34	38	12	e18	13	11	11
18	e11	8.8	25	269	e173	e29	30	12	e16	13	40	11
19	e9.6	8.8	21	636	e91	e29	27	12	e13	12	16	11
20	e9.1	8.4	19	87	e73	e25	25	161	12	13	11	11
21	e10	8.0	17	34	e61	e22	25	114	12	13	11	11
22	e9.8	8.0	16	25	e54	21	20	48	13	28	10	11
23	e8.9	8.3	15	21	33	20	59	24	13	12	10	11
24	e7.9	437	15	19	33	19	92	e23	12	12	9.9	11
25	e7.8	156	14	18	717	19	22	e15	13	12	10	11
26	e7.8	e19	15	17	e112	18	17	e23	13	12	10	11
27	e8.6	e16	15	17	e386	17	17	e25	13	16	15	10
28	e10	e15	14	16	489	17	17	20	13	14	23	10
29	e10	e14	14	220	---	17	16	20	13	13	11	10
30	e8.2	e13	13	107	---	17	16	19	13	15	12	10
31	e7.4	---	13	29	---	16	---	39	---	12	17	---
TOTAL	336.1	882.9	1110.9	1706	8325	1552	3581	816	1621	405	587.9	352
MEAN	10.8	29.4	35.8	55.0	297	50.1	119	26.3	54.0	13.1	19.0	11.7
MAX	14	437	642	636	2970	404	1050	161	582	28	151	25
MIN	7.4	7.4	9.4	10	12	16	15	12	12	11	9.9	10
MED	11	9.6	14	13	44	29	29	17	18	12	12	11
AC-FT	667	1750	2200	3380	16510	3080	7100	1620	3220	803	1170	698
CFSM	.17	.47	.57	.88	4.73	.80	1.90	.42	.86	.21	.30	.19
IN.	.20	.52	.66	1.01	4.93	.92	2.12	.48	.96	.24	.35	.21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2001, BY WATER YEAR (WY)

	MEAN	14.9	60.9	130	134	181	142	116	61.2	101	56.4	26.6	27.4
MAX	27.8	219	370	391	472	305	668	227	457	331	72.1	98.1	
(WY)	1997	1987	1991	1989	1990	1994	1991	1991	1989	1989	1993	1997	
MIN	10.6	12.6	21.7	13.4	32.2	24.5	11.4	8.54	8.85	8.75	9.47	7.63	
(WY)	1988	1999	2000	2000	1996	1986	1986	1986	1988	1986	1988	1987	

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1986 - 2001
ANNUAL TOTAL	12119.3	21275.8	
ANNUAL MEAN	33.1	58.3	88.4
HIGHEST ANNUAL MEAN			175
LOWEST ANNUAL MEAN			30.9
HIGHEST DAILY MEAN	683	2970	5890
LOWEST DAILY MEAN	7.4	7.4	7.2
ANNUAL SEVEN-DAY MINIMUM	8.5	8.5	7.3
MAXIMUM PEAK FLOW		9740	12700
MAXIMUM PEAK STAGE		16.31	19.55
INSTANTANEOUS LOW FLOW		8.0	7.1
ANNUAL RUNOFF (AC-FT)	24040	42200	64020
ANNUAL RUNOFF (CFSM)	.53	.93	1.41
ANNUAL RUNOFF (INCHES)	7.18	12.60	19.12
10 PERCENT EXCEEDS	37	82	126
50 PERCENT EXCEEDS	13	13	17
90 PERCENT EXCEEDS	9.7	10	10

e Estimated

a Also occurred on Nov. 21,22,23, but may have been lower during period of estimated discharge.

07280400 TILLATOBA CREEK AT CHARLESTON, MS

LOCATION.--Lat 34°00'02", long 90°03'46", in SW1/4 SW1/4 sec.26, T.25 N., R.2 E., Choctaw Meridian, Tallahatchie County, Hydrologic Unit 08030202, County code 135, at State Highway 35 at Charleston, MS.

DRAINAGE AREA.--118 mi².

PERIOD OF RECORD.--January 1996 to current year.

REVISIONS.--The maximum peak stages for some water years have been revised as shown in the following table. They supersede figures published in reports for 1997, 1998, 1999, and 2000.

Water Year	Date	Gage Height (ft)
1997	Jan. 24	22.06
1998	Apr. 28	21.03
1999	Apr. 6	21.27
2000	Apr. 3	21.24

GAGE.--Water-stage recorder. Datum of gage is 151.00 ft above sea level (Mississippi Department of Transportation datum).

REMARKS.--Estimated daily discharges: Dec. 20,23,30,31 and Jan. 1-6, 19-22. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.0	6.6	39	e39	119	450	83	31	36	20	20	111
2	7.0	6.0	35	e38	101	290	68	30	23	22	16	231
3	6.8	8.0	31	e36	90	273	60	28	21	20	15	118
4	6.7	14	28	e34	84	423	55	27	20	21	15	44
5	6.7	10	26	e32	80	227	69	26	112	19	16	29
6	6.8	10	25	e30	77	170	63	24	33	17	28	24
7	7.6	11	24	29	74	145	52	22	685	17	23	38
8	7.5	87	22	29	71	131	46	21	322	16	18	32
9	7.2	63	21	26	75	121	43	21	121	16	16	24
10	7.3	18	20	24	91	112	40	21	73	16	532	20
11	7.1	10	20	29	77	105	37	23	49	15	100	17
12	7.0	8.8	20	35	626	513	87	21	38	18	38	16
13	6.9	9.4	73	30	972	309	395	19	33	80	72	16
14	6.8	9.0	199	34	460	164	177	17	31	32	50	15
15	6.8	8.0	382	37	272	786	2690	17	26	20	28	14
16	6.8	12	1770	30	5770	262	495	18	24	18	21	13
17	6.7	17	373	55	1840	156	231	18	22	17	18	13
18	7.5	11	177	1140	692	127	143	17	20	16	17	13
19	6.8	8.7	122	e460	478	113	104	20	20	16	41	14
20	6.6	8.0	e90	e320	346	105	82	17	19	16	165	13
21	6.6	7.8	79	e240	264	102	69	20	18	33	35	13
22	6.5	7.6	66	e180	222	92	58	23	18	28	22	13
23	6.5	8.0	e58	159	189	84	51	18	18	18	19	13
24	6.4	1850	52	137	199	77	84	24	17	16	16	14
25	6.3	641	46	116	1430	71	66	21	17	15	15	13
26	6.3	198	43	105	362	66	53	17	17	15	15	11
27	6.2	113	58	98	1130	62	45	16	26	32	14	12
28	6.1	73	58	93	1400	60	40	70	53	22	13	12
29	6.7	59	47	352	---	61	37	103	25	20	13	11
30	6.7	47	e41	438	---	67	34	28	22	18	35	11
31	5.4	---	e41	174	---	64	---	57	---	20	86	---
TOTAL	209.3	3339.9	4086	4579	17591	5788	5557	835	1959	669	1532	938
MEAN	6.75	111	132	148	628	187	185	26.9	65.3	21.6	49.4	31.3
MAX	7.6	1850	1770	1140	5770	786	2690	103	685	80	532	231
MIN	5.4	6.0	20	24	71	60	34	16	17	15	13	11
MED	6.8	10	46	39	243	121	64	21	24	18	20	14
CFSM	.06	.94	1.12	1.25	5.32	1.58	1.57	.23	.55	.18	.42	.26
IN.	.07	1.05	1.29	1.44	5.55	1.82	1.75	.26	.62	.21	.48	.30

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2001, BY WATER YEAR (WY)

	MEAN	31.4	63.6	127	299	337	331	296	137	153	41.7	25.9	33.9
MAX	97.5	131	238	514	628	584	470	376	548	91.2	49.4	99.3	
(WY)	1998	1997	1997	1997	2001	1997	2000	1997	1997	1997	2001	1997	
MIN	6.75	16.1	28.5	49.5	113	160	149	26.9	29.7	12.1	9.27	8.27	
(WY)	2001	2000	2000	2000	1999	2000	1997	2001	2000	2000	2000	2000	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1997 - 2001

ANNUAL TOTAL	34784.0	47083.2		
ANNUAL MEAN	95.0	129	155	
HIGHEST ANNUAL MEAN			275	1997
LOWEST ANNUAL MEAN			78.9	2000
HIGHEST DAILY MEAN	4640	Apr 2	5770	Feb 16 2001
LOWEST DAILY MEAN	5.4	Oct 31	5.4	Oct 31 2000
ANNUAL SEVEN-DAY MINIMUM	6.2	Oct 25	6.2	Oct 25 2000
MAXIMUM PEAK FLOW			10300	Feb 16 2001
MAXIMUM PEAK STAGE			23.28	Feb 16 2001
INSTANTANEOUS LOW FLOW			5.2	Oct 31, Nov.1
ANNUAL RUNOFF (CFSM)	.81		1.09	1.32
ANNUAL RUNOFF (INCHES)	10.97		14.84	17.87
10 PERCENT EXCEEDS	140		267	370
50 PERCENT EXCEEDS	26		30	37
90 PERCENT EXCEEDS	7.5		8.0	11

e Estimated

YAZOO RIVER BASIN

07281600 TALLAHATCHIE RIVER AT MONEY, MS

LOCATION.--Lat 33°39'05", long 90°12'39", in NW1/4 SE1/4 SE1/4 sec.29, T.21 N., R.1 E., Choctaw Meridian, Leflore County, Hydrologic Unit 08030202, County code 83, at county road bridge at Money, Ms, about 9 mi north of Greenwood, MS, 193 mi above confluence at Vicksburg.

DRAINAGE AREA.--5,221 mi², U.S. Army Corps of Engineers

PERIOD OF RECORD.--October 1995 to current year. Jan. 22, 1948 to date, stage data available; March 1934 to date; measured discharge available in U.S. Army Corps of Engineers records.

GAGE.--Water-stage recorder. Datum of gage is 98.98 ft above sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--No estimated daily discharges. Records good. U.S. Army Corps of Engineers satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1990	4950	10200	7300	10900	16500	7630	3840	4570	2580	2420	6680
2	1420	4920	10100	6980	10800	16500	7160	3290	5010	2550	2270	7560
3	777	4910	9960	6500	10600	16500	6740	2940	4750	2500	2440	9200
4	742	4910	9640	5430	10300	16500	7030	2770	4150	2470	2800	9310
5	1480	5010	9210	4100	9880	16400	7660	2600	3870	2490	2730	8310
6	1910	4910	8700	3030	9340	16300	7270	2330	5050	2500	3450	7500
7	1960	4420	7980	2470	8600	16200	6840	2170	5580	2450	3980	7270
8	1930	4240	7170	2190	7840	16000	6630	2120	7520	2420	3680	7160
9	1930	5100	6460	2040	7290	15900	6360	2340	9090	2380	3350	7080
10	1930	5600	5690	1850	6680	15900	6050	2130	9200	2330	4210	7010
11	1940	5560	5000	1510	6010	15800	5790	1890	8630	2280	6250	6900
12	1990	5550	4530	1290	5960	15800	5680	1860	7400	2290	6410	6780
13	2810	5500	4210	1220	8640	16000	6200	1860	5880	3020	5060	6650
14	3720	5400	4250	1250	10700	16000	7760	1790	4530	3790	4270	6490
15	4040	5380	4900	1280	11500	16200	9000	1730	3740	3900	4510	6350
16	4210	5830	6650	1350	12500	16200	9890	1670	3610	3660	4880	6240
17	4310	6350	9220	1400	13900	16000	10300	1490	3570	3390	5100	6140
18	4340	6660	9790	2270	14800	15800	10400	1250	3390	3170	5630	6020
19	4350	6780	9550	8330	15000	15400	10400	1230	3190	2990	6050	5510
20	4350	6770	9640	11200	15100	15000	10100	1320	3030	2670	6470	5470
21	4340	6690	9710	12300	15100	14500	9540	1290	2890	2190	6630	5760
22	4320	6590	9640	12500	15100	13900	8810	1270	2780	1910	6500	6020
23	4310	6510	9460	12200	15100	13200	8070	1470	2700	1770	6390	6170
24	4300	7740	9190	12000	15200	12600	7590	1560	2620	1660	6280	6230
25	4280	10000	8880	11700	15500	11900	7330	1530	2560	1540	6050	6230
26	4270	10600	8560	11600	15600	11200	6870	1400	2510	1460	5960	6210
27	4380	10400	8570	11500	15800	10500	6360	1210	2470	1660	5990	6130
28	4710	10200	8590	11200	16300	9950	5880	2270	2480	2060	6070	6050
29	4900	10200	8260	11000	---	9350	5240	3490	2540	2340	6070	5990
30	4960	10300	7950	11000	---	8780	4510	4220	2570	2500	6050	5930
31	4960	---	7620	11000	---	8180	---	4230	---	2490	6220	---
TOTAL	101859	197980	249280	200990	330040	444960	225090	66560	131880	77410	154170	200350
MEAN	3286	6599	8041	6484	11790	14350	7503	2147	4396	2497	4973	6678
MAX	4960	10600	10200	12500	16300	16500	10400	4230	9200	3900	6630	9310
MIN	742	4240	4210	1220	5960	8180	4510	1210	2470	1460	2270	5470
CFSM	.63	1.26	1.54	1.24	2.26	2.75	1.44	.41	.84	.48	.95	1.28
IN.	.73	1.41	1.78	1.43	2.35	3.17	1.60	.47	.94	.55	1.10	1.43

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2001, BY WATER YEAR (WY)

	MEAN	5452	6621	7446	9699	11040	11210	8060	5375	5447	4083	5046	5840
MAX	9356	9093	12990	14900	16680	15530	10410	9213	11980	9228	8869	8750	
(WY)	1998	1997	1997	1997	1997	1997	1999	1997	1997	1997	1997	1997	
MIN	3286	4305	3461	1552	1947	5353	6184	2147	1996	1526	2223	3503	
(WY)	2001	2000	2000	2000	2000	2000	1998	2001	2000	2000	2000	2000	

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1995 - 2001
ANNUAL TOTAL	1464793	2380569	
ANNUAL MEAN	4002	6522	7088
HIGHEST ANNUAL MEAN			11130
LOWEST ANNUAL MEAN			3490
HIGHEST DAILY MEAN	16600	Apr 6	18900
LOWEST DAILY MEAN	742	Oct 4	696
ANNUAL SEVEN-DAY MINIMUM	829	Jan 22	829
MAXIMUM PEAK FLOW		16600	Mar 1
MAXIMUM PEAK STAGE		31.96	Mar 1
INSTANTANEOUS LOW FLOW		576	Oct 3,4
ANNUAL RUNOFF (CFSM)	.77	1.25	1.36
ANNUAL RUNOFF (INCHES)	10.44	16.96	18.45
10 PERCENT EXCEEDS	8920	12500	13500
50 PERCENT EXCEEDS	2900	5990	6320
90 PERCENT EXCEEDS	1130	1920	2220

07281960 YALOBUSHA RIVER AT VARDAMAN, MS

LOCATION.--Lat 33° 51' 58", long 89° 10' 23", in NE1/4 NE1/4 sec. 15, T. 14 S., R. 1E., Choctaw Meridian, Calhoun County, Hydrologic Unit 08030205, at downstream side of bridge on State Highway 341, 0.8 mi south of Vardaman, 1.1 mi upstream of Cane Creek, and 6.0 mi north of Atlanta.

DRAINAGE AREA.--86.3 mi².

PERIOD OF RECORD.--May 1998 to current year.

REVISIONS.--The maximum discharges for water years 1999 and 2000 have been revised to 7,350 ft³/s, June 28, 1999, gage height, 29.93 ft, and 7,100 ft³/s, April 3, 2000, gage height, 29.69 ft.

GAGE.--Water-stage recorder. Datum of gage is 267.42 ft above sea level (levels by Mississippi Department of Transportation).

REMARKS.--Estimated daily discharges: Dec. 12-15, 26.27 and Sept. 6-14. Records fair except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.000	.004	4.0	9.6	59	401	42	4.3	440	.59	.005	57
2	.000	.004	2.8	8.7	42	238	34	3.3	101	.25	.27	333
3	.000	.005	2.3	6.8	33	754	25	2.1	28	.29	.12	234
4	.000	.030	2.0	6.1	28	720	59	1.7	139	.52	.17	40
5	.000	.024	1.6	6.2	25	202	216	1.5	847	7.3	.14	16
6	.000	.038	1.4	5.9	23	88	65	1.3	597	3.6	.10	e130
7	.000	.042	.95	21	20	49	33	1.1	960	.55	.24	e70
8	.000	.121	.88	40	19	36	23	3.8	495	.19	.97	e15
9	.000	.370	.86	17	25	29	18	13	80	.065	.374	e5.0
10	.000	.25	.53	12	47	23	15	8.7	29	.063	.299	e2.0
11	.000	5.5	.41	50	40	20	11	2.7	16	.13	.62	e.95
12	.000	1.8	e.36	72	1020	664	66	.99	10	.13	1.6	e.050
13	.000	.93	e121	39	1870	515	418	.32	6.1	.34	.82	e.37
14	.000	.50	e250	57	863	130	222	.17	5.2	.068	.90	e.30
15	.000	.22	e567	56	263	1060	2520	.12	4.1	.024	.15	.27
16	.005	6.6	2040	31	1730	340	641	.098	1.7	.014	4.3	.28
17	.003	4.2	869	114	1810	88	103	.083	.71	.013	.97	.26
18	.000	1.5	274	2510	505	50	51	.046	.36	.011	3.8	.28
19	.000	1.3	71	6200	118	47	35	.030	.23	.005	.58	.32
20	.000	.86	34	2040	71	115	22	.15	.16	.003	.98	.23
21	.000	.29	30	384	50	238	17	7.3	.11	.007	14	.21
22	.000	.25	22	134	42	86	13	15	.96	.007	4.0	.20
23	.000	.22	16	90	37	48	11	7.3	.13	.002	1.1	.17
24	.000	.627	14	69	35	34	416	3.0	.082	.002	2.2	.17
25	.000	.412	11	54	95	25	134	.83	.084	.003	.18	.18
26	.000	.56	e10	44	70	19	35	.30	.064	.001	.045	.22
27	.000	.18	e89	38	598	17	20	.68	.39	.001	.030	.22
28	.000	.10	.54	32	1110	15	13	.13	.13	.001	.72	.26
29	.005	7.3	.27	168	---	13	9.1	.11	.15	.001	.19	.32
30	.006	5.6	.17	337	---	18	6.2	6.7	2.6	.001	.12	.27
31	.005	---	.13	110	---	20	---	246	---	.001	.51	---
TOTAL	0.024	1676.217	4547.09	12762.3	10648	6102	5293.3	356.617	3831.590	14.183	1209.360	907.530
MEAN	.001	55.9	147	412	380	197	176	11.5	128	.46	39.0	30.3
MAX	.006	627	2040	6200	1870	1060	2520	246	960	7.3	374	333
MIN	.000	.004	.36	5.9	19	13	6.2	.030	.064	.001	.005	.050
MED	.000	1.4	.14	50	54	50	34	1.7	8.1	.014	3.8	.29
CFSM	.00	.65	1.70	4.77	4.41	2.28	2.04	.13	1.48	.01	.45	.35
IN.	.00	.72	1.96	5.50	4.59	2.63	2.28	.15	1.65	.01	.52	.39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2001, BY WATER YEAR (WY)

	1998	1999	2000	2001
MEAN	2.27	27.3	169	347
MAX	6.65	55.9	354	613
(WY)	1999	2001	1999	2001
MIN	.000	.14	5.89	15.4
(WY)	2001	2000	2000	2000

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1998 - 2001

ANNUAL TOTAL	31276.998	47348.211	129
ANNUAL MEAN	85.5	130	189
HIGHEST ANNUAL MEAN			69.0
LOWEST ANNUAL MEAN			1999
HIGHEST DAILY MEAN	6350	Jan 19	6350
LOWEST DAILY MEAN	.000	Jul 23	.000
ANNUAL SEVEN-DAY MINIMUM	.00	Jul 23	.00
MAXIMUM PEAK FLOW		6930	6930
MAXIMUM PEAK STAGE		29.26	29.93
INSTANTANEOUS LOW FLOW		.00	.00
ANNUAL RUNOFF (CFSM)	.99	1.50	1.50
ANNUAL RUNOFF (INCHES)	13.48	20.41	20.33
10 PERCENT EXCEEDS	78	335	221
50 PERCENT EXCEEDS	.94	8.7	3.0
90 PERCENT EXCEEDS	.00	.00	.01

e Estimated

07281977 YALOBUSHA RIVER AT DERMA, MS

LOCATION.--Lat 33°50'16", long 89°16'33", in NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.26, T.14 S., R.1 W., Chickasaw Meridian, Calhoun County, Hydrologic Unit 08030205, on the right bank at downstream side of bridge on county road, 1.3 mi south of Derma, and 2.4 mi upstream of 07282000 Yalobusha River at Calhoun City.

DRAINAGE AREA.--160 mi².

PERIOD OF RECORD.--Water year 1999.

PERIOD OF DAILY RECORD.--

DISCHARGE: May 1998 to current year.

SUSPENDED SEDIMENT CONCENTRATION: May 1998 to current year.

SUSPENDED SEDIMENT DISCHARGE: May 1998 to current year.

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 226.02 ft above sea level. Automatic pumping sediment sampler since May 1998.

REMARKS.--No estimated daily discharge. Discharge records fair. Satellite telemeter at station. Channel rectification was completed in 1967.

EXTREMES FOR PERIOD OF DAILY RECORD.--

DISCHARGE: Maximum, 15,900 ft³/s, Jan. 23, 1999, maximum gage height, 31.36 ft, Jan. 23, 1999; minimum daily mean, 0.00 ft³/s, Aug. 30-Sept. 6, 2000.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 1,420 mg/L, June 7, 2001; minimum daily mean, 24 mg/L, Sept. 3, 1999.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 26,200 tons, Jan. 19, 2001; minimum daily, <0.01 ton, Aug. 27-Sept. 6, Oct. 3-14, 2000.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum, 10,400 ft³/s, Jan. 19, maximum gage height, 29.38 ft, Jan. 19; minimum daily mean, 0.02 ft³/s, Oct. 11-14.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 1,420 mg/L, June 7; minimum daily mean, 35 mg/L, Dec. 26.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 26,200 tons, Jan. 19; minimum daily, <0.01 ton, Oct. 3-14.

07281977 YALOBUSHA RIVER NEAR DERMA, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
OCTOBER			NOVEMBER			DECEMBER			
1	.061	74	.01	.11	75	.02	8.0	58	1.3
2	.028	69	.01	.11	74	.02	6.1	56	.91
3	.024	59	.00	.11	72	.02	4.8	53	.68
4	.023	61	.00	.15	69	.03	3.9	50	.54
5	.022	63	.00	.20	67	.04	3.4	48	.44
6	.023	65	.00	.28	65	.05	3.2	45	.39
7	.022	68	.00	.37	62	.06	3.0	45	.37
8	.021	70	.00	109	140	264	2.6	45	.32
9	.021	72	.00	802	388	1330	2.3	45	.27
10	.020	75	.00	74	114	24	2.1	44	.25
11	.019	78	.00	20	96	5.1	2.0	44	.23
12	.019	75	.00	8.4	85	2.0	1.8	44	.21
13	.019	69	.00	4.7	76	.96	205	170	308
14	.019	66	.00	2.7	77	.55	771	123	303
15	.061	63	.01	1.7	79	.35	1130	276	2400
16	.083	60	.01	1.6	82	.36	4260	799	10100
17	.085	59	.01	3.3	85	.76	1630	283	1370
18	.084	60	.01	2.8	88	.67	561	190	296
19	.081	60	.01	2.2	90	.52	204	150	84
20	.080	61	.01	1.7	93	.43	87	114	27
21	.080	61	.01	1.4	92	.35	64	84	15
22	.078	61	.01	1.1	92	.28	48	63	8.2
23	.077	61	.01	.97	91	.24	32	55	4.8
24	.075	62	.01	983	1200	5940	27	48	3.6
25	.074	62	.01	790	780	1940	23	41	2.6
26	.073	64	.01	192	264	153	20	35	1.9
27	.076	66	.01	61	116	20	218	85	78
28	.076	68	.01	32	71	6.2	291	72	60
29	.080	70	.02	20	63	3.5	93	60	15
30	.088	72	.02	12	61	2.0	51	59	8.2
31	.10	74	.02	---	---	---	32	59	5.1
JANUARY			FEBRUARY			MARCH			
1	26	59	4.2	111	78	24	771	200	448
2	19	59	3.1	69	61	11	471	235	374
3	17	58	2.7	47	54	6.9	1390	664	2700
4	16	58	2.5	39	47	4.9	1440	318	1340
5	16	58	2.5	33	40	3.6	570	119	195
6	16	57	2.5	28	40	3.0	218	70	42
7	19	57	3.0	25	40	2.8	122	52	17
8	79	57	12	23	41	2.6	83	46	10
9	54	56	8.2	24	41	2.7	61	44	7.2
10	33	56	5.0	67	42	7.6	47	41	5.3
11	47	55	7.1	57	43	6.6	39	39	4.1
12	145	55	22	1650	816	6690	1110	500	2730
13	93	54	14	3600	626	6250	954	320	889
14	96	53	14	1490	327	1380	325	154	139
15	117	53	17	630	155	272	1850	691	3720
16	76	52	11	2930	1000	14600	806	268	615
17	304	124	147	3650	661	7680	380	164	171
18	4520	1340	19100	1030	302	899	226	111	68
19	9200	1140	26200	349	146	142	154	98	41
20	4660	286	3860	175	103	50	301	178	224
21	905	171	435	111	70	21	587	138	237
22	310	127	108	88	63	15	264	68	49
23	159	93	40	64	62	11	165	60	27
24	105	89	25	51	61	8.3	114	55	17
25	75	89	18	102	59	16	85	51	12
26	56	88	13	93	58	15	68	47	8.6
27	48	88	11	936	361	1660	56	42	6.4
28	42	88	10	1960	527	2940	49	39	5.1
29	302	197	306	---	---	---	46	39	4.8
30	723	173	356	---	---	---	62	39	6.5
31	227	119	75	---	---	---	71	40	7.6

07281977 YALOBUSHA RIVER NEAR DERMA, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
APRIL			MAY			JUNE			
1	75	40	8.1	14	53	2.0	748	1250	2620
2	70	41	7.7	11	61	1.9	490	598	801
3	56	41	6.3	9.5	71	1.8	312	381	337
4	73	51	13	7.6	81	1.7	329	465	789
5	414	157	178	6.3	92	1.6	1280	1350	4950
6	287	81	64	5.6	102	1.5	943	831	2140
7	176	68	32	5.6	112	1.7	1740	1420	7240
8	121	57	19	6.0	123	2.0	984	760	2120
9	95	47	12	9.7	133	3.5	469	341	451
10	78	42	8.9	10	141	3.8	210	161	96
11	64	39	6.8	14	127	4.7	90	101	25
12	229	188	194	7.1	109	2.1	53	65	9.4
13	764	460	1020	4.6	90	1.1	37	59	5.9
14	577	376	591	3.4	72	.66	28	57	4.3
15	5050	991	14900	2.6	58	.41	23	55	3.4
16	1440	320	1330	2.1	58	.34	18	53	2.6
17	477	178	238	2.3	60	.37	13	51	1.8
18	224	109	67	16	62	2.7	11	48	1.4
19	123	92	31	30	64	5.3	8.8	46	1.1
20	77	82	17	26	66	4.7	7.5	46	.93
21	56	72	11	29	87	7.3	6.8	46	.84
22	44	62	7.5	65	458	83	15	46	1.8
23	42	56	6.8	55	375	57	26	46	3.2
24	1050	380	1270	45	312	38	15	46	1.9
25	356	133	133	41	303	34	9.7	46	1.2
26	131	103	37	31	295	25	7.0	45	.86
27	59	92	15	24	286	18	320	300	510
28	36	81	7.9	26	302	22	425	269	322
29	25	71	4.8	60	527	85	260	186	159
30	18	60	3.0	41	485	54	57	85	13
31	---	---	---	502	1310	1930	---	---	---
JULY			AUGUST			SEPTEMBER			
1	27	74	5.4	2.1	56	.31	198	146	82
2	17	73	3.4	1.6	55	.24	558	313	688
3	13	73	2.5	1.2	54	.18	419	145	188
4	11	72	2.2	1.1	53	.16	66	80	15
5	13	71	2.5	.95	51	.13	24	65	4.2
6	13	66	2.3	.79	50	.11	172	155	188
7	10	59	1.6	.96	49	.13	376	157	177
8	7.8	52	1.1	1.0	54	.15	103	90	25
9	6.1	47	.78	470	745	1310	59	70	11
10	5.1	48	.65	468	527	669	37	58	5.8
11	4.8	49	.64	259	310	232	22	51	3.1
12	6.8	51	.94	109	151	47	16	44	1.9
13	27	53	3.9	183	322	169	12	38	1.3
14	20	54	2.9	239	297	223	10	38	1.1
15	18	56	2.7	61	113	19	8.7	39	.92
16	13	57	2.0	17	102	4.8	6.8	40	.73
17	9.5	60	1.5	4.8	98	1.3	6.2	41	.69
18	7.1	64	1.2	2.5	94	.63	5.7	42	.64
19	5.3	70	.99	3.4	99	1.3	5.5	43	.64
20	3.9	75	.78	153	400	165	5.2	44	.61
21	4.8	80	1.0	66	232	43	4.8	47	.61
22	17	85	3.9	25	169	12	4.7	51	.64
23	8.1	90	2.0	11	137	4.1	4.5	54	.66
24	4.6	94	1.2	5.0	117	1.6	4.3	58	.67
25	3.9	89	.94	2.6	103	.73	4.0	62	.66
26	3.1	82	.69	1.4	97	.37	3.7	64	.64
27	2.4	76	.50	1.3	91	.31	3.5	63	.59
28	2.0	70	.38	18	85	4.2	3.4	60	.55
29	2.8	64	.48	20	86	4.6	3.2	58	.50
30	3.0	58	.47	33	88	7.8	3.1	56	.46
31	2.5	57	.38	64	148	39	---	---	---

07282000 YALOBUSHA RIVER AND TOPASHAW CREEK CANAL AT CALHOUN CITY, MS

LOCATION.--Lat 33°50'19", long 89°18'56", in SE1/4 SE1/4 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.--295 mi², combined drainage area of all channels.

PERIOD OF RECORD.--October 1950 to current year. Prior to October 1997, published as Yalobusha River at Calhoun City.

REVISED RECORDS.--WRD Miss. 1970: 1969(M). WDR MS-78-1: 1977(P). WDR MS-92: 1983-85. WDR MS-98-1: Drainage area. WRD MS-001: 1997.

GAGE.--Water-stage recorder. Datum of gage is 226.06 ft above sea level (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: Apr. 16-21, 26, 30 and May 1. Records fair except for estimated daily discharges, which are poor. Discharge computed by combining the flow of individually rated Yalobusha River and Topashaw Creek Canal. Channel rectification of both Yalobusha River and Topashaw Creek was completed in 1967. U. S. Army Corps of Engineers satellite telemeter at station.

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)
Jan. 19	1045	*19,600	*22.65	Apr. 15	0730	13,000	21.65
Feb. 16	2000	13,000	21.60				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.69	.74	19	177	940	1870	252	e125	1360	35	16	149
2	.70	.74	15	150	672	1180	239	103	767	22	14	641
3	.70	.74	13	132	501	2980	196	92	349	18	12	633
4	.71	.76	11	114	420	2890	228	79	366	17	12	179
5	.71	.80	10	114	370	1400	822	71	1980	19	11	72
6	.74	.84	10	117	329	536	530	66	1410	19	10	312
7	.75	.88	9.6	134	297	282	304	65	2650	17	12	452
8	.76	157	8.9	454	277	189	201	76	2030	14	13	92
9	.76	1580	8.3	323	282	143	154	93	889	13	528	47
10	.76	134	8.0	211	657	112	127	106	297	12	481	30
11	.77	38	7.8	274	578	94	105	107	116	12	224	21
12	.78	20	7.7	763	3700	2360	427	72	68	16	77	16
13	.77	14	314	528	6180	2310	1490	55	47	50	137	13
14	.77	9.3	1130	526	3010	1240	1240	46	36	39	214	11
15	.77	6.9	1520	647	1580	3850	8150	40	28	37	72	10
16	.77	6.5	5950	445	5100	2070	e3260	35	22	30	35	9.0
17	.77	9.9	3490	677	6030	1190	e1710	33	18	24	22	8.3
18	.77	8.9	1640	7690	2330	748	e1080	43	15	20	19	7.8
19	.76	7.4	958	16200	954	528	e767	44	13	17	18	7.6
20	.76	6.6	525	7380	416	608	e533	39	12	15	129	7.3
21	.75	5.9	369	2480	253	1180	e383	43	11	18	56	7.1
22	.74	5.2	305	1520	198	834	308	95	20	48	28	6.8
23	.74	4.9	225	1140	145	567	242	80	32	28	19	6.6
24	.74	1870	177	929	116	397	2090	65	20	20	14	6.4
25	.72	1620	155	730	225	298	1340	59	15	18	12	6.1
26	.72	337	134	584	211	241	e813	45	12	16	10	5.9
27	.74	102	592	521	1690	201	411	35	625	14	9.9	5.7
28	.74	54	889	458	3590	174	259	37	467	13	14	5.6
29	.73	37	522	658	---	163	194	85	285	17	15	5.3
30	.73	25	299	1780	---	211	e164	59	73	18	24	5.2
31	.74	---	212	1290	---	238	792	---	---	17	43	---
TOTAL	23.06	6065.00	19534.3	49146	41051	31084	28019	2785	14033	673	2300.9	2778.7
MEAN	.74	202	630	1585	1466	1003	934	89.8	468	21.7	74.2	92.6
MAX	.78	1870	5950	16200	6180	3850	8150	792	2650	50	528	641
MIN	.69	.74	7.7	114	116	94	105	33	11	12	9.9	5.2
CFSM	.00	.69	2.14	5.37	4.97	3.40	3.17	.30	1.59	.07	.25	.31
IN.	.00	.76	2.46	6.20	5.18	3.92	3.53	.35	1.77	.08	.29	.35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2001, BY WATER YEAR (WY)

	MEAN	46.3	261	630	734	852	990	829	441	246	110	55.9	59.5
MAX	622	2827	4402	2400	2409	3583	3418	3696	1815	948	335	857	
(WY)	1976	1958	1983	1974	1991	1980	1991	1991	1989	1979	1996	1979	
MIN	.15	.99	3.59	11.5	66.1	83.2	15.9	7.45	.38	1.26	.80	.000	
(WY)	1954	1982	1966	1956	1963	1954	1986	1988	1988	1954	1951	1952	

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1951 - 2001

	ANNUAL TOTAL	117215.07	197492.96	436
ANNUAL MEAN		320	541	1171
HIGHEST ANNUAL MEAN				78.6
LOWEST ANNUAL MEAN				50800
HIGHEST DAILY MEAN	17300	Apr 3	16200	Jan 19
LOWEST DAILY MEAN	.60	Sep 7	.69	Oct 1
ANNUAL SEVEN-DAY MINIMUM	.62	Sep 17	.71	Oct 1
MAXIMUM PEAK FLOW			19600	Jan 19
MAXIMUM PEAK STAGE			22.65	Jan 19
ANNUAL RUNOFF (CFSM)	1.09		1.83	
ANNUAL RUNOFF (INCHES)	14.78		24.90	
10 PERCENT EXCEEDS	344		1500	
50 PERCENT EXCEEDS	12		80	
90 PERCENT EXCEEDS	.73		.82	

e Estimated

07282090 TOPASHAW CREEK CANAL NEAR DERMA, MS

LOCATION.--Lat 33°46'47", long 89°14'49", in NE¹/₄NE¹/₄sec.16, T.22 N., R.10 E., Choctaw Meridian, Calhoun County, Hydrologic Unit 08030205, on right bank at upstream side of bridge on county road, 5.8 mi south of Derma, 0.5 mi upstream from Bear Creek, and 1.4 mi below Buck Creek.

DRAINAGE AREA.--63 mi², approximately.

PERIOD OF RECORD.--Water year 1999

PERIOD OF DAILY RECORD.--

DISCHARGE: May 1998 to current year.

SUSPENDED SEDIMENT CONCENTRATION: May 1998 to current year.

SUSPENDED SEDIMENT DISCHARGE: May 1998 to current year.

INSTRUMENTATION.--Water-stage recorder. Datum of gage is assumed.

REMARKS.--Estimated daily discharge: June 8-12, July 23-28. Discharge records good except for estimated daily discharges, which are poor. Satellite telemeter at station. Flow intermingles with Bear Creek when stage is above bank full. Channel rectification was completed in 1967.

EXTREMES FOR PERIOD OF DAILY RECORD.--

DISCHARGE: Maximum, 11,000 ft³/s, June 27, 1999, maximum gage height, 31.14 ft, June 27, 1999; minimum daily mean, 0.00 ft³/s, Aug. 22-Sept. 8, 2000.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 2,240 mg/L, Jan. 22, 1999; minimum daily mean, 33 mg/L, May 21, July 6, Oct. 20, 1999, Dec. 26, 2000.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 39,100 tons, Jan. 19, 2001; minimum daily, 0.00 ton, Aug. 21-Sept. 8, 2000.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum, 8,220 ft³/s, Jan. 19, maximum gage height, 27.87 ft, Jan. 19; minimum daily mean, 0.20 ft³/s, Oct. 3.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 2,190 mg/L, Jan. 19; minimum daily mean, 33 mg/L, Dec. 26.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 39,100 tons, Jan. 19; minimum daily, 0.03 ton, Oct. 2-5.

07282090 TOPASHAW CREEK CANAL NEAR DERMA, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
OCTOBER			NOVEMBER			DECEMBER			
1	.27	53	.04	.33	64	.06	5.8	43	.68
2	.23	56	.03	.36	63	.06	5.2	44	.61
3	.20	60	.03	.42	62	.07	4.4	45	.54
4	.22	57	.03	.69	61	.11	4.0	46	.50
5	.22	57	.03	.81	60	.13	3.9	47	.50
6	.44	58	.07	1.0	59	.16	3.7	49	.50
7	.36	59	.06	.93	58	.15	3.6	59	.58
8	.24	59	.04	154	265	519	3.4	70	.64
9	.34	60	.06	342	201	379	3.3	80	.71
10	.33	64	.06	9.0	91	2.3	3.2	91	.78
11	.32	68	.06	2.6	81	.57	3.0	102	.83
12	.37	65	.06	1.4	72	.27	3.3	110	.98
13	.37	59	.06	1.1	63	.18	118	254	178
14	.35	59	.06	.78	62	.13	110	133	45
15	.37	60	.06	.56	63	.09	287	336	766
16	.37	62	.06	8.3	63	1.4	519	354	621
17	.36	61	.06	7.0	63	1.2	157	125	58
18	.35	60	.06	1.6	63	.27	56	93	14
19	.39	59	.06	1.7	64	.29	37	83	8.3
20	.27	58	.04	1.6	64	.27	26	75	5.3
21	.27	56	.04	.79	64	.14	22	68	4.1
22	.30	55	.05	.48	64	.08	16	61	2.6
23	.31	54	.04	.44	64	.08	16	54	2.3
24	.30	52	.04	655	1070	3070	12	47	1.5
25	.28	51	.04	184	200	134	10	40	1.1
26	1.4	55	.24	33	91	8.4	9.2	33	.82
27	.25	56	.04	15	65	2.6	185	128	80
28	.27	58	.04	9.8	43	1.1	108	65	19
29	.42	59	.07	8.4	41	.93	45	62	7.6
30	.46	61	.08	7.0	42	.79	26	60	4.2
31	.42	62	.07	---	---	---	21	57	3.3
JANUARY			FEBRUARY			MARCH			
1	15	55	2.3	56	86	13	191	185	98
2	24	52	3.4	47	71	8.9	292	337	370
3	27	50	3.6	39	61	6.4	881	1040	2570
4	19	48	2.4	35	51	4.8	397	409	482
5	15	49	1.9	31	41	3.4	177	232	113
6	10	51	1.4	27	39	2.8	115	194	60
7	40	95	18	24	39	2.5	88	169	40
8	95	116	31	22	38	2.2	74	155	31
9	36	95	9.3	39	89	16	66	143	25
10	23	86	5.3	86	134	34	57	130	20
11	57	112	22	53	56	8.1	50	118	16
12	84	117	27	1740	1290	10200	894	733	3100
13	44	106	13	1250	771	3040	278	252	208
14	66	95	17	305	347	294	153	175	91
15	56	84	13	200	229	123	970	1000	3500
16	34	73	6.8	1760	1210	11700	205	209	120
17	117	203	97	664	1030	2230	116	108	35
18	2810	2140	21300	205	464	263	88	89	21
19	5010	2190	39100	136	325	120	72	85	17
20	426	308	371	102	257	71	150	259	147
21	207	223	126	84	202	46	162	265	119
22	132	169	61	72	180	35	91	227	56
23	102	123	34	60	164	27	68	171	32
24	85	116	27	54	149	22	56	108	17
25	68	113	21	124	134	45	45	75	9.2
26	59	110	18	70	119	23	39	58	6.1
27	51	107	15	533	707	1500	34	51	4.7
28	44	104	12	495	286	400	33	44	3.9
29	180	293	261	---	---	---	35	43	4.0
30	204	178	105	---	---	---	47	43	5.4
31	85	122	28	---	---	---	41	43	4.8

07282090 TOPASHAW CREEK CANAL NEAR DERMA, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
APRIL			MAY			JUNE			
1	36	42	4.1	11	43	1.3	390	1160	2100
2	29	42	3.3	11	42	1.2	111	319	139
3	29	44	3.4	9.0	42	1.0	74	172	38
4	113	173	120	8.3	41	.93	65	266	106
5	194	186	110	8.1	41	.90	262	656	585
6	81	108	24	8.3	41	.92	84	340	90
7	51	87	12	7.8	41	.86	306	898	856
8	40	69	7.5	7.4	40	.81	171	417	192
9	34	53	4.8	7.8	40	.84	100	353	95
10	28	47	3.6	7.8	40	.85	35	196	18
11	23	44	2.8	7.9	42	.89	20	110	5.9
12	56	107	20	7.0	44	.83	12	63	2.0
13	97	216	59	7.8	46	.97	9.6	55	1.4
14	77	122	27	6.0	48	.78	8.2	52	1.2
15	1520	1020	6900	5.4	51	.75	7.1	49	.94
16	182	342	172	5.0	58	.78	6.0	46	.75
17	88	233	57	4.7	66	.84	5.0	43	.59
18	60	141	23	4.5	74	.90	4.6	40	.50
19	48	91	12	4.4	82	.98	4.2	38	.43
20	38	64	6.6	4.5	90	1.1	4.0	42	.44
21	31	51	4.4	8.8	119	4.0	4.2	47	.53
22	26	46	3.2	55	204	43	31	157	22
23	26	49	4.0	11	94	2.7	8.9	131	3.3
24	141	143	61	23	132	10	5.4	76	1.1
25	47	69	8.9	11	82	2.4	4.5	54	.66
26	30	63	5.0	7.1	75	1.4	4.1	43	.47
27	22	59	3.5	6.1	68	1.1	242	294	479
28	18	55	2.6	6.8	61	1.1	45	136	18
29	14	51	2.0	7.7	54	1.1	13	83	3.1
30	12	46	1.5	6.6	50	.90	7.8	63	1.3
31	---	---	---	57	688	166	---	---	---
JULY			AUGUST			SEPTEMBER			
1	6.1	60	.99	6.0	55	.99	9.3	42	1.1
2	5.0	56	.76	2.9	49	.38	117	177	95
3	5.1	53	.73	4.1	69	1.3	38	75	8.5
4	5.1	49	.68	3.2	79	.72	12	51	1.6
5	4.7	46	.58	2.3	64	.40	6.3	39	.68
6	3.9	43	.45	4.7	67	1.3	148	187	236
7	3.5	41	.38	8.9	106	3.0	28	64	6.0
8	3.2	38	.33	4.2	65	.74	5.0	53	.72
9	3.3	37	.32	75	733	242	3.3	55	.49
10	3.8	38	.39	21	244	15	2.6	56	.39
11	3.6	40	.39	8.9	87	2.3	2.2	57	.34
12	44	119	36	3.8	61	.63	1.9	59	.31
13	23	101	6.5	14	137	7.3	1.9	59	.30
14	7.0	59	1.1	6.7	92	2.0	1.8	57	.27
15	3.9	50	.52	2.9	39	.30	1.6	54	.24
16	3.3	45	.40	2.3	39	.24	1.5	51	.21
17	3.9	40	.43	2.1	44	.25	1.4	47	.19
18	3.4	40	.36	3.0	49	.39	1.5	44	.18
19	2.5	40	.27	4.7	64	1.2	1.6	41	.18
20	2.3	40	.25	11	100	3.8	1.6	39	.17
21	38	111	26	3.9	68	.72	1.5	37	.16
22	19	77	4.4	3.2	63	.54	1.4	37	.14
23	5.0	51	.69	2.8	58	.44	1.3	36	.12
24	3.6	48	.47	2.6	53	.37	1.4	35	.13
25	3.0	48	.39	2.5	49	.33	1.3	35	.12
26	2.5	48	.32	2.4	44	.28	1.2	34	.11
27	2.5	49	.33	3.0	39	.32	1.1	35	.10
28	5.0	56	.76	2.8	35	.26	1.0	36	.10
29	35	78	10	4.1	36	.40	1.0	37	.10
30	5.1	43	.59	5.0	38	.52	1.0	37	.10
31	3.8	41	.42	7.9	40	.87	---	---	---

YAZOO RIVER BASIN

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07283000 SKUNA RIVER AT BRUCE, MS
(National Water-Quality Assessment station)

LOCATION.--Lat 33°58'25", long 89°20'52", in SW1/4 SW1/4 sec.6, T.13 S., R.1 W., Chickasaw Meridian, Calhoun County, Hydrologic Unit 08030205, on left bank on downstream side of bridge on State Highway 9, 1.0 mi south of Bruce.

DRAINAGE AREA.--254 mi².

PERIOD OF RECORD.--October 1947 to current year. Prior to March 1948 monthly discharge only, published in WSP 1311.

REVISED RECORDS.--WSP 1920: 1958(P), 1959-60(M).

GAGE.--Water-stage recorder. Datum of gage is 228.45 ft above sea level (levels U. S. Army Corps of Engineers). Prior to Jan. 1, 1972, at datum 10.30 ft higher. October 1947 to Aug. 30, 1948, nonrecording gage. Aug. 31, 1948 to Mar. 23, 1955, water-stage recorder, and Mar. 24, 1955 to Sept. 12, 1958, nonrecording gage at same site.

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

EXTREMES FOR CURRENT YEAR.-- Peak discharges greater than base discharge of 11,000 ft³/s (revised) and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 19	1100	*19,700	*25.21	Feb. 16	2015	17,400	24.14

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.2	4.2	24	47	270	735	162	55	299	21	9.3	223
2	4.4	4.2	21	40	220	419	118	63	101	18	8.7	1630
3	4.5	4.5	18	38	182	841	103	50	58	16	8.3	502
4	4.3	7.3	16	36	166	1410	306	44	400	43	8.3	147
5	4.2	8.9	15	36	152	471	160	41	3450	45	7.9	60
6	5.0	8.5	16	37	138	305	116	40	614	24	11	37
7	6.2	7.3	16	36	129	241	86	39	4900	17	12	99
8	5.8	190	15	36	121	192	72	39	1780	15	10	42
9	4.1	1370	15	31	136	157	68	37	350	14	26	27
10	4.1	106	15	27	332	125	58	35	202	12	47	20
11	4.2	30	15	31	242	112	51	33	115	11	62	16
12	4.0	18	15	50	1320	1480	568	34	75	11	25	14
13	3.9	15	248	50	3730	911	3590	32	55	14	128	13
14	3.8	14	974	56	1220	331	617	28	101	13	159	12
15	3.8	12	388	84	650	2220	2390	26	51	11	36	11
16	3.9	17	5800	63	7830	571	627	25	39	10	20	10
17	3.8	23	1750	135	4510	309	298	23	29	9.4	16	10
18	3.5	20	365	5510	715	235	196	22	23	9.2	17	9.8
19	3.3	17	245	14500	425	184	146	22	21	8.8	16	9.6
20	3.2	14	140	2020	334	210	114	24	18	8.5	18	9.4
21	3.5	13	135	610	305	503	96	236	17	8.2	16	9.0
22	3.9	12	109	407	603	277	83	94	17	10	13	8.9
23	3.9	12	83	333	322	191	104	57	16	10	12	8.8
24	4.0	1650	79	289	264	144	1710	38	15	9.5	11	9.0
25	4.0	1400	65	247	2490	112	365	36	13	9.0	11	8.5
26	4.2	208	58	220	539	95	214	27	12	8.5	10	8.2
27	4.0	85	79	202	2610	85	139	22	227	8.6	65	8.0
28	4.2	49	160	184	4050	80	99	71	91	8.9	144	8.0
29	4.1	36	101	447	---	77	77	225	40	8.8	29	7.7
30	4.3	29	60	1180	---	94	63	60	26	8.8	25	7.8
31	4.1	---	51	392	---	105	---	491	---	9.3	138	---
TOTAL	128.4	5384.9	11091	27374	34005	13222	12796	2069	13155	430.5	1119.5	2985.7
MEAN	4.14	179	358	883	1214	427	427	66.7	438	13.9	36.1	99.5
MAX	6.2	1650	5800	14500	7830	2220	3590	491	4900	45	159	1630
MIN	3.2	4.2	15	27	121	77	51	22	12	8.2	7.9	7.7
CFSM	.02	.71	1.41	3.48	4.78	1.68	1.68	.26	1.73	.05	.14	.39
IN.	.02	.79	1.62	4.01	4.98	1.94	1.87	.30	1.93	.06	.16	.44

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2001, BY WATER YEAR (WY)

	MEAN	45.2	238	495	618	750	840	649	343	225	97.2	61.9	72.9
MAX	389	1922	3035	2091	2703	3426	2356	1729	1825	661	460	895	
(WY)	1985	1958	1983	1949	1991	1973	1991	1997	1997	1989	1950	1958	
MIN	3.23	5.67	10.6	18.8	76.5	58.4	26.3	14.8	4.99	4.85	1.72	1.90	
(WY)	1954	1956	1966	1986	1978	1954	1986	1965	1988	1952	1954	1954	

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1948 - 2001
ANNUAL TOTAL	70163.7	123761.0	
ANNUAL MEAN	192	339	368
HIGHEST ANNUAL MEAN			767
LOWEST ANNUAL MEAN			74.6
HIGHEST DAILY MEAN	15000	Apr 2	35100
LOWEST DAILY MEAN	3.2	Oct 20	1.0
ANNUAL SEVEN-DAY MINIMUM	3.6	Oct 15	1.1
MAXIMUM PEAK FLOW			61400
MAXIMUM PEAK STAGE		25.21	34.41
ANNUAL RUNOFF (CFSM)	.75	1.33	1.45
ANNUAL RUNOFF (INCHES)	10.28	18.13	19.66
10 PERCENT EXCEEDS	222	612	724
50 PERCENT EXCEEDS	15	40	45
90 PERCENT EXCEEDS	4.4	7.5	6.8

YAZOO RIVER BASIN

07285500 YALOBUSHA RIVER AT GRENADA, MS

LOCATION.--Lat 31°47'18", long 89°48'36", in SW1/4 NE1/4 sec. 7, T.22 N., R.5 E., Choctaw Meridian, Grenada County, Hydrologic Unit 08030205, on downstream left bridge seat of U.S. Highway 51 bridge.

DRAINAGE AREA.--1570 mi², approximately, U.S. Army Corps of Engineers

PERIOD OF RECORD.--February 1989 to current year. July 1, 1929, to date, stage data available; February 1929 to date, measured discharge available; and December 1, 1931, to June 30, 1953, daily discharge available in U.S. Army Corps of Engineers records. Prior to October 1, 1992, published as "07285510 Yalobusha River at Grenada, MS."

GAGE.--Water stage recorder. Datum of gage is 152.03 ft above sea level (levels by U.S. Army Corps of Engineers). Prior to June 23, 1993, water-stage recorder at site 0.5 mi downstream at datum 3.35 ft lower.

REMARKS.--No estimated daily discharges. Records good. Regulated by Grenada Lake Spillway. Satellite telemeter at Station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Feb. 14, 1948, reached an elevation of 182.81 ft above sea level at site 2600 ft upstream, discharge 78,900 ft³/s from records of U.S. Army Corps of Engineers.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1380	1470	3830	3440	5730	1540	2420	550	516	210	1650	3360
2	1450	1470	3730	3300	5590	1310	2380	543	510	197	2160	4470
3	1570	1460	3630	3200	5460	3710	2580	536	354	264	2520	3820
4	1570	1450	3530	3100	5340	2670	3070	534	324	294	2500	2980
5	1570	1430	3670	3010	5230	2650	2730	517	1340	220	2480	2830
6	1570	1400	3810	2920	5290	3700	2520	512	493	210	2210	2770
7	1570	1360	3690	2860	5500	4250	2400	504	779	204	1950	2780
8	1560	1360	3580	3190	5380	5500	2360	500	625	205	2470	2730
9	1540	3250	3480	2320	5320	6180	2330	538	597	199	2440	2710
10	1530	1750	3370	1470	5340	6120	2310	450	339	195	2650	2690
11	1530	1550	3280	1330	5120	6090	2290	334	249	199	2660	2670
12	1530	1490	3180	1160	7520	7750	2780	328	219	205	2470	2660
13	1520	1470	2780	1030	9560	6740	3560	321	203	587	3270	2640
14	1520	2060	1850	1040	3340	5200	2800	315	192	272	2960	2630
15	1520	2700	3090	1060	4510	7110	5190	310	183	209	2700	2620
16	1510	2700	5450	973	7570	4640	3230	284	173	194	2790	2610
17	1510	2660	2210	1640	5750	3660	2640	237	171	189	2760	2600
18	1510	2590	2950	8300	1580	3450	2480	234	171	186	2790	2600
19	1500	2530	4470	14200	1100	3030	2420	241	180	183	2820	2770
20	1500	2470	4370	6380	1590	2670	2390	234	176	180	2830	3040
21	1490	2660	4310	1900	4090	2760	2360	322	173	190	2750	3030
22	1500	2820	4220	2050	5760	2640	2340	446	197	207	2730	3030
23	1490	2760	4100	3680	6160	2560	2340	339	181	182	2730	3010
24	1490	6240	4000	4830	6090	2520	2810	326	169	174	1280	3000
25	1490	3270	3890	6080	5370	2480	2510	303	164	174	2690	2990
26	1490	880	3770	6740	4350	2450	2370	280	163	179	2690	2970
27	1490	1420	3940	6600	6260	2420	2000	271	670	178	2690	2950
28	1490	2740	3010	6430	4830	2390	1410	283	598	191	2780	2930
29	1480	3460	3990	5900	---	2380	836	273	261	178	2710	2910
30	1480	3680	3720	5760	---	2430	560	249	240	262	2710	2900
31	1470	---	3560	5600	---	2410	---	1000	---	624	3150	---
TOTAL	46820	68550	112460	121493	144730	115410	74416	12114	10610	7141	79990	87700
MEAN	1510	2285	3628	3919	5169	3723	2481	391	354	230	2580	2923
MAX	1570	6240	5450	14200	9560	7750	5190	1000	1340	624	3270	4470
MIN	1380	880	1850	973	1100	1310	560	234	163	174	1280	2600
CFSM	.97	1.47	2.34	2.53	3.33	2.40	1.60	.25	.23	.15	1.66	1.89
IN.	1.12	1.65	2.70	2.92	3.47	2.77	1.79	.29	.25	.17	1.92	2.10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2001, BY WATER YEAR (WY)

	MEAN	2546	2745	3371	4267	3383	2969	2282	1842	1518	1580	2702	2905
MAX	5075	4963	6461	6227	5490	5756	4228	9529	5646	4904	4808	5652	
(WY)	1998	1990	1990	1999	1999	1990	1991	1991	1991	1991	1991	1991	
MIN	810	1909	586	366	238	572	365	189	320	230	382	848	
(WY)	1999	1996	2000	2000	2000	2000	1992	1992	1993	2001	1992	1992	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1989 - 2001

ANNUAL TOTAL	483291	881434	
ANNUAL MEAN	1320	2415	2632
HIGHEST ANNUAL MEAN			4441
LOWEST ANNUAL MEAN			1107
HIGHEST DAILY MEAN	15300	Apr 2	21900
LOWEST DAILY MEAN	137	Jan 21	30
ANNUAL SEVEN-DAY MINIMUM	178	Feb 9	33
MAXIMUM PEAK FLOW			15600
MAXIMUM PEAK STAGE			22.11
ANNUAL RUNOFF (CFSM)	.85		1.56
ANNUAL RUNOFF (INCHES)	11.60		21.15
10 PERCENT EXCEEDS	2970	5300	5570
50 PERCENT EXCEEDS	796	2430	2350
90 PERCENT EXCEEDS	253	210	295

07287150 ABIACA CREEK NEAR SEVEN PINES, MS

LOCATION.--Lat 33°20'24", long 90°09'04", in NW¹/₄ SE¹/₄ sec.13, T.17 N., R.1 E., Choctaw Meridian, Carroll County, Hydrologic Unit 08030206, on right bank at upstream side of bridge on county road, 5.0 mi northeast of Cruger, and 4.0 mi southwest of Seven Pines.

DRAINAGE AREA.--95.2 mi².

PERIOD OF RECORD.--Water years 1992-97, 1999.

PERIOD OF DAILY RECORD.--

DISCHARGE: October 1991 to current year.

SUSPENDED SEDIMENT CONCENTRATION: October 1991 to current year.

SUSPENDED SEDIMENT DISCHARGE: October 1991 to current year.

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 134.28 ft above sea level. October 28, 1955 to present, discharge measurements and gage height record at same site and datum in files of U.S. Army Corps of Engineers, Vicksburg District. Automatic pumping sediment sampler since October 1991.

REMARKS.--Estimated daily discharges: Nov. 24, Sept. 1, 9. Discharge records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

AVERAGE DISCHARGE.--10 years, 119 ft³/s, 17.0 in/yr.

EXTREMES FOR PERIOD OF DAILY RECORD.--

DISCHARGE: Maximum observed, 6,080 ft³/s, Apr. 2, 2000, maximum gage height, 20.48 ft, Apr. 2, 2000; minimum daily mean, 18 ft³/s, Sept. 30, 2000.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 3,960 mg/L, Jan. 19, 2001; minimum daily mean, 6 mg/L, Oct. 9, 1992.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 45,300 tons, Jan. 19, 2001; minimum daily, 0.56 ton, Oct. 9, 1992.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum, 5,090 ft³/s, Jan. 19, maximum gage height, 19.10 ft, Jan. 19; minimum daily mean, 19 ft³/s, Oct. 3, 4.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 3,960 mg/L, Jan. 19; minimum daily mean, 38 mg/L, Sept. 20.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 45,300 tons, Jan. 19; minimum daily, 2.5 tons, Nov. 3.

YAZOO RIVER BASIN

07287150 ABIACA CREEK NEAR SEVEN PINES, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
OCTOBER			NOVEMBER			DECEMBER			
1	23	139	8.8	24	40	2.6	59	207	33
2	23	111	7.1	24	42	2.7	57	188	29
3	19	163	8.5	21	45	2.5	53	170	24
4	19	426	22	27	48	3.5	50	152	21
5	21	388	22	28	52	3.9	42	134	15
6	33	334	30	28	55	4.1	42	116	13
7	42	275	31	23	58	3.7	38	103	10
8	32	213	19	96	221	279	36	92	8.8
9	26	159	11	823	1480	4330	33	81	7.1
10	24	125	8.0	245	331	231	33	70	6.3
11	20	105	5.6	110	210	63	31	59	4.9
12	20	117	6.5	70	155	30	32	49	4.2
13	24	121	8.0	58	118	19	76	126	52
14	25	98	6.6	44	121	14	175	179	111
15	23	73	4.5	42	134	15	316	500	964
16	21	56	3.2	42	147	17	624	971	1750
17	20	59	3.1	37	160	16	353	554	584
18	22	60	3.6	36	173	17	141	204	80
19	22	52	3.1	42	186	21	98	115	31
20	25	47	3.2	37	198	20	80	119	25
21	23	48	3.0	32	201	17	72	128	25
22	24	49	3.2	31	200	17	64	138	24
23	22	51	3.1	34	200	18	60	148	24
24	20	50	2.6	1470	1820	9950	56	158	24
25	23	63	3.9	921	1040	2660	54	168	24
26	20	72	3.9	429	672	808	53	177	26
27	20	66	3.6	162	412	185	1310	2190	9940
28	20	61	3.3	101	320	88	655	851	1610
29	24	56	3.6	81	256	56	318	328	292
30	22	50	3.0	70	225	43	152	256	105
31	22	45	2.7	---	---	---	106	222	64
JANUARY			FEBRUARY			MARCH			
1	89	189	46	83	164	37	498	1220	1690
2	77	155	32	77	159	33	727	1750	4670
3	69	122	23	72	153	30	1440	3050	12100
4	62	89	15	69	147	27	852	1510	3930
5	57	61	9.4	62	141	24	468	380	499
6	55	70	10	60	139	22	299	121	98
7	63	84	14	58	138	21	211	110	63
8	77	99	20	53	137	20	161	103	45
9	68	114	21	57	136	21	145	101	40
10	63	128	22	58	135	21	138	101	37
11	62	132	22	61	134	22	124	100	34
12	67	131	24	998	2000	9090	976	969	4500
13	64	131	23	1360	1990	8730	753	399	878
14	70	130	24	704	342	673	416	208	236
15	69	130	24	341	215	203	877	691	1800
16	61	129	21	957	1350	6830	467	258	333
17	76	129	26	1130	1150	4190	275	150	115
18	1560	3200	19000	519	366	523	192	110	57
19	3890	3960	45300	253	270	188	152	100	41
20	1340	963	3500	154	194	81	130	90	32
21	1150	763	2370	116	185	58	117	80	25
22	1020	604	1680	102	181	50	106	71	20
23	646	453	799	91	178	44	97	72	19
24	384	335	352	82	175	39	93	76	19
25	200	265	144	86	172	40	86	81	19
26	133	216	78	79	169	36	81	86	19
27	110	192	57	676	1390	5270	76	91	19
28	98	180	48	1080	1930	5650	74	95	19
29	114	267	90	---	---	---	72	95	19
30	160	233	102	---	---	---	77	95	20
31	104	181	51	---	---	---	73	94	18

07287150 ABIACA CREEK NEAR SEVEN PINES, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
APRIL			MAY			JUNE			
1	71	93	18	46	65	8.0	164	535	274
2	67	92	17	39	63	6.6	79	253	55
3	65	92	16	39	89	9.4	88	223	53
4	174	374	857	40	119	13	91	959	528
5	1290	1670	8590	41	150	17	339	1450	1590
6	325	341	319	45	180	22	154	333	144
7	147	205	82	43	210	24	103	183	51
8	118	161	52	39	240	25	100	163	44
9	105	120	34	37	270	27	77	161	33
10	88	109	26	43	299	35	62	159	27
11	80	108	23	40	310	33	53	156	22
12	96	139	37	37	316	32	45	154	19
13	94	147	38	42	323	36	44	145	17
14	91	137	34	40	329	36	44	134	16
15	134	173	64	37	335	34	36	123	12
16	87	114	27	36	327	32	38	113	12
17	71	105	20	30	277	23	36	102	10
18	61	100	16	28	224	17	32	91	7.9
19	60	95	15	34	171	16	29	83	6.4
20	53	91	13	36	118	12	31	81	6.7
21	54	86	13	38	72	7.3	30	80	6.6
22	53	81	12	51	64	8.7	88	440	124
23	55	97	15	35	62	6.0	41	235	26
24	139	187	75	37	61	6.0	39	176	19
25	75	114	23	39	60	6.3	33	117	11
26	56	105	16	37	58	5.9	31	76	6.3
27	54	97	14	42	57	6.5	29	102	8.1
28	52	89	13	46	56	6.9	31	134	11
29	49	81	11	37	54	5.3	32	166	14
30	49	73	9.6	36	52	5.1	34	197	18
31	---	---	---	195	685	503	---	---	---
JULY			AUGUST			SEPTEMBER			
1	35	229	21	34	69	6.4	330	403	398
2	32	261	22	33	69	6.1	513	915	1510
3	28	286	22	29	68	5.4	430	488	617
4	32	259	22	30	68	5.5	140	190	75
5	33	220	20	32	67	5.9	88	161	38
6	32	181	16	31	67	5.6	58	153	24
7	32	142	12	28	68	5.2	157	442	272
8	34	103	9.4	26	70	5.0	50	271	37
9	30	71	5.9	29	71	5.6	40	216	24
10	30	67	5.4	31	72	5.9	34	161	15
11	35	65	6.1	32	73	6.4	31	105	8.8
12	36	63	6.1	35	75	7.1	30	57	4.6
13	75	167	39	35	76	7.2	30	48	3.9
14	53	76	11	28	77	5.8	30	47	3.8
15	41	71	7.8	31	77	6.5	28	45	3.4
16	34	66	6.1	32	74	6.4	33	44	3.8
17	30	63	5.1	36	70	6.8	28	42	3.2
18	34	66	6.1	34	67	6.2	28	41	3.1
19	33	70	6.2	41	63	7.0	26	39	2.7
20	31	74	6.3	42	60	6.7	28	38	2.8
21	27	78	5.7	36	60	5.8	26	40	2.9
22	32	81	7.0	31	59	5.0	27	44	3.2
23	30	85	7.0	31	59	5.0	30	48	3.9
24	25	87	5.8	32	58	5.1	27	52	3.8
25	26	84	6.0	34	58	5.4	24	56	3.7
26	28	81	6.2	42	58	6.5	28	59	4.5
27	37	78	7.9	40	57	6.2	28	59	4.4
28	50	75	10	37	57	5.7	27	57	4.3
29	36	72	7.1	40	56	6.0	26	56	4.0
30	33	70	6.3	44	56	6.6	27	54	3.9
31	34	69	6.4	163	481	490	---	---	---

07287160 ABIACA CREEK AT CRUGER, MS

LOCATION.--Lat 33°20'29", long 90°14'13", in NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.18, T.17 N., R.1 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08030206, on left bank at downstream side of bridge on State Highway 49E, 1.0 mi north of Cruger.

DRAINAGE AREA.--95.7 mi².

PERIOD OF RECORD.--Water years 1992-97, 1999.

PERIOD OF DAILY RECORD.--

DISCHARGE: October 1991 to current year.

SUSPENDED SEDIMENT CONCENTRATION: October 1991 to current year.

SUSPENDED SEDIMENT DISCHARGE: October 1991 to current year.

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 116.52 ft above sea level. Automatic pumping sediment sampler since October 1991.

REMARKS.--Estimated daily discharges: Jan. 18-20, 22, 23, 25, 26, Feb. 13-Mar. 8, 12-15, 22-Apr. 5. Discharge records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

AVERAGE DISCHARGE.--10 years, 104.0 ft³/s, 14.76 in/yr.

EXTREMES FOR PERIOD OF DAILY RECORD.--

DISCHARGE: Maximum, 3,440 ft³/s, Apr. 23, 1995, maximum gage height, 11.81 ft, Apr. 2, 2000; minimum daily mean, 14 ft³/s, Sept. 1, 2000.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 3,320 mg/L, Feb. 15, 1992; minimum daily mean, 1.0 mg/L, Oct. 22, 1992.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 16,700 tons, Apr. 23, 1996; minimum daily, 0.13 ton, Oct. 22, 1992.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum, 2,490 ft³/s, Jan. 19, maximum gage height, 11.25 ft, Jan. 19; minimum daily mean, 16 ft³/s, Oct. 17, 24.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 1,430 mg/L, June 5; minimum daily mean, 40 mg/L Sept. 30.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 7,580 tons, Jan. 19; minimum daily, 2.3 tons, Oct. 31.

07287160 ABIACA CREEK AT CRUGER, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
OCTOBER			NOVEMBER			DECEMBER			
1	20	84	4.5	22	43	2.6	60	167	27
2	23	84	5.2	23	44	2.7	56	151	23
3	18	83	4.0	20	47	2.5	53	138	20
4	17	76	3.6	23	50	3.1	47	130	16
5	18	86	4.2	28	52	3.9	39	122	13
6	29	166	13	27	55	4.1	38	171	18
7	44	126	15	24	58	3.8	34	152	14
8	39	101	11	35	80	9.0	34	109	10
9	29	90	7.0	493	1040	1560	30	85	6.9
10	25	79	5.3	220	327	201	33	71	6.4
11	18	69	3.4	121	179	59	31	58	4.8
12	18	66	3.2	78	150	32	38	45	4.6
13	23	67	4.1	64	125	22	63	98	21
14	23	67	4.2	49	119	16	169	251	120
15	22	67	4.0	46	117	15	160	343	299
16	18	67	3.3	44	115	14	408	680	783
17	16	67	2.9	41	113	13	286	361	309
18	18	68	3.2	36	112	11	123	164	55
19	17	68	3.2	43	110	13	93	112	28
20	21	68	3.8	40	138	15	78	96	20
21	19	68	3.6	33	139	12	71	89	17
22	22	68	4.0	31	120	10	62	84	14
23	20	69	3.8	31	112	9.3	57	82	13
24	16	69	3.0	823	1290	4440	57	80	12
25	19	69	3.6	1040	806	2490	54	79	12
26	18	66	3.1	364	431	440	53	78	11
27	17	62	2.9	164	293	131	925	716	2370
28	17	58	2.7	110	245	73	724	477	997
29	21	54	3.1	90	215	52	250	240	170
30	21	50	2.8	75	190	39	130	140	50
31	19	47	2.3	---	---	---	89	103	25
JANUARY			FEBRUARY			MARCH			
1	76	82	17	88	112	27	408	319	351
2	68	74	14	79	105	22	392	991	1050
3	63	66	11	72	103	20	1210	1400	4570
4	61	58	9.5	70	99	19	904	758	1850
5	56	52	7.8	65	121	21	338	343	313
6	52	63	8.9	59	114	18	221	201	120
7	54	79	11	56	100	15	166	116	52
8	70	94	18	51	96	13	130	78	27
9	65	110	19	52	93	13	117	72	23
10	64	125	22	56	93	14	111	69	21
11	62	128	21	61	95	16	102	67	18
12	65	127	22	469	782	1670	547	858	1270
13	63	125	21	1450	446	1750	857	335	775
14	67	124	23	717	215	416	321	217	188
15	68	123	22	371	167	167	606	817	1340
16	59	122	19	553	790	1180	332	324	300
17	64	124	22	1300	652	2290	194	248	130
18	779	1230	2590	517	311	434	147	206	82
19	2400	1170	7580	290	181	142	125	186	62
20	1570	852	3610	200	132	71	111	173	52
21	1070	675	1940	150	117	47	103	161	45
22	999	493	1330	130	112	39	96	149	39
23	729	323	636	110	108	32	86	135	31
24	419	234	268	105	103	29	83	120	27
25	282	174	132	100	100	27	78	106	22
26	199	138	75	100	97	26	75	91	18
27	149	113	45	311	841	706	72	77	15
28	113	101	31	1100	963	2860	78	63	13
29	100	119	33	---	---	---	68	60	11
30	156	162	69	---	---	---	76	60	12
31	110	124	37	---	---	---	72	60	12

07287160 ABIACA CREEK AT CRUGER, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
APRIL			MAY			JUNE			
1	72	60	12	49	82	11	125	678	250
2	68	60	11	43	75	8.8	74	241	52
3	64	60	10	43	78	9.0	72	284	57
4	72	229	44	42	82	9.3	58	113	18
5	1160	933	2920	43	86	10	215	1430	874
6	284	278	219	46	90	11	138	732	288
7	143	196	76	45	98	12	95	271	71
8	114	160	50	41	107	12	88	384	92
9	100	133	36	40	117	13	71	330	63
10	85	129	29	42	407	47	59	263	42
11	77	132	27	41	241	27	52	213	30
12	90	135	33	37	131	13	44	171	20
13	95	139	36	40	111	12	42	150	17
14	91	142	35	39	97	10	44	135	16
15	130	145	51	37	83	8.3	36	121	12
16	98	146	39	36	72	7.0	38	106	11
17	79	141	30	34	76	7.0	37	92	9.1
18	68	134	25	30	82	6.5	34	77	7.2
19	66	128	23	34	87	8.0	28	67	5.0
20	59	122	19	36	93	8.9	29	70	5.5
21	57	116	18	37	97	9.8	29	74	5.9
22	58	109	17	46	94	12	70	131	27
23	58	104	16	37	91	9.2	43	94	11
24	123	245	82	35	87	8.1	40	81	8.6
25	86	139	33	38	83	8.5	36	67	6.5
26	63	121	21	36	80	7.8	30	57	4.6
27	56	113	17	37	76	7.7	28	58	4.5
28	57	105	16	44	72	8.7	32	60	5.1
29	53	97	14	36	69	6.8	32	62	5.3
30	53	90	13	34	69	6.3	36	64	6.2
31	---	---	---	125	745	356	---	---	---
JULY			AUGUST			SEPTEMBER			
1	36	66	6.4	38	99	10	160	301	130
2	35	68	6.4	33	90	7.9	284	541	505
3	29	70	5.5	30	89	7.1	316	368	325
4	33	70	6.1	30	87	7.0	146	211	86
5	36	70	6.9	32	86	7.4	93	178	45
6	34	70	6.4	32	85	7.4	75	169	36
7	32	70	6.0	30	83	6.6	123	192	75
8	34	70	6.5	28	80	6.0	64	115	20
9	33	70	6.2	28	78	6.0	53	89	13
10	29	71	5.6	31	76	6.3	46	77	9.6
11	37	72	7.1	32	74	6.3	40	67	7.2
12	33	72	6.5	33	71	6.3	37	59	5.9
13	57	123	21	34	69	6.4	37	58	5.9
14	48	87	11	28	67	5.1	36	59	5.7
15	38	76	7.9	30	66	5.3	32	59	5.1
16	33	69	6.3	30	67	5.4	37	59	5.9
17	28	65	4.9	34	69	6.4	35	60	5.7
18	31	68	5.7	31	71	5.9	31	60	5.0
19	31	72	5.9	37	73	7.3	30	61	4.9
20	30	75	6.0	35	74	6.9	31	61	5.1
21	26	78	5.6	37	73	7.4	29	59	4.6
22	29	82	6.5	29	73	5.7	30	55	4.4
23	30	85	7.0	28	72	5.4	33	52	4.6
24	26	88	6.2	27	71	5.3	31	49	4.1
25	27	88	6.4	28	71	5.4	26	46	3.2
26	28	88	6.7	31	70	5.9	28	43	3.3
27	29	98	7.9	31	70	5.9	28	42	3.2
28	49	139	19	30	69	5.5	28	41	3.1
29	36	84	8.1	29	69	5.3	27	41	2.9
30	32	79	6.9	31	70	5.8	26	40	2.8
31	31	88	7.6	60	134	36	---	---	---

07287400 BLACK CREEK AT LEXINGTON, MS

LOCATION.--Lat 33°06'19", long 90°03'13", NE1/4 SE1/4 sec.35, T.15 N., R.2 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08030206, 300 ft downstream of bridge on State Highway 17 in Lexington, 0.5 mi south of intersection of Highways 17 and 12.

DRAINAGE AREA.--88.1 mi².

PERIOD OF RECORD.--February 1987 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 171.14 ft above sea level.

REMARKS.--Estimated daily discharges: Feb. 16 and 18 - 20. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

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. 9	0015	6,130	20.89	Jan. 19	0830	8,340	23.45
Nov. 24	1345	5,340	19.50	Mar. 12	1415	3,940	16.69
Dec. 27	1015	5,370	19.55	Apr. 5	0515	*16,500	*27.26

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	18	41	109	90	518	65	49	161	33	27	712
2	25	18	46	93	79	1330	57	47	90	31	25	466
3	24	19	40	80	72	1390	52	44	80	30	24	212
4	24	19	36	77	68	565	1140	44	76	97	27	68
5	24	21	34	67	63	147	10100	43	200	45	27	65
6	276	22	32	67	56	64	1090	42	613	36	28	45
7	51	21	31	94	52	43	766	42	227	34	29	124
8	32	1300	29	128	50	40	624	40	124	33	27	47
9	29	2530	27	78	66	85	525	55	235	32	26	34
10	29	262	28	67	102	68	441	46	97	37	28	30
11	31	120	27	82	71	61	370	41	66	34	30	27
12	28	87	28	93	1210	1800	327	38	58	50	28	27
13	25	75	227	70	1030	795	258	35	53	72	40	25
14	19	67	261	97	338	419	307	34	49	56	37	25
15	19	58	60	88	130	1650	692	33	48	41	29	25
16	19	67	58	66	e725	484	378	32	42	35	28	24
17	17	63	61	107	935	240	167	32	38	33	27	24
18	18	59	46	4060	e289	160	114	33	35	33	32	23
19	18	71	42	6590	e197	127	97	35	36	30	30	26
20	18	58	38	912	e110	121	86	33	35	34	30	24
21	17	49	40	416	86	121	80	77	41	30	35	23
22	17	46	36	289	75	101	74	75	95	27	32	23
23	18	46	32	214	63	86	73	52	40	26	29	23
24	19	2930	28	166	58	79	271	38	36	25	27	24
25	19	668	32	126	84	74	121	34	34	25	25	26
26	20	142	32	98	66	67	74	33	33	26	25	23
27	19	76	3250	76	865	63	62	33	43	27	24	23
28	19	55	653	63	1320	61	56	35	38	39	58	22
29	19	46	308	327	---	62	53	40	41	32	27	22
30	18	40	181	444	---	95	52	59	35	33	22	21
31	18	---	129	135	---	79	---	647	---	29	32	---
TOTAL	953	9053	5913	15379	8350	10995	18572	1921	2799	1145	915	2283
MEAN	30.7	302	191	496	298	355	619	62.0	93.3	36.9	29.5	76.1
MAX	276	2930	3250	6590	1320	1800	10100	647	613	97	58	712
MIN	17	18	27	63	50	40	52	32	33	25	22	21
CFSM	.35	3.43	2.17	5.63	3.38	4.03	7.03	.70	1.06	.42	.34	.86
IN.	.40	3.82	2.50	6.49	3.53	4.64	7.84	.81	1.18	.48	.39	.96

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2001, BY WATER YEAR (WY)

	MEAN	45.3	88.2	146	246	233	248	271	129	119	72.1	45.4	49.5
MAX	162	302	340	683	497	374	864	302	621	253	113	110	110
(WY)	1989	2001	1999	1999	1991	1991	1991	1989	1997	1989	1994	1994	1994
MIN	18.6	32.2	42.9	56.0	53.6	88.8	45.1	29.7	21.1	25.3	18.4	24.9	24.9
(WY)	1988	1991	2000	2000	2000	1992	1987	1988	1988	2000	2000	1997	1997

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1987 - 2001

ANNUAL TOTAL	46996	78278	
ANNUAL MEAN	128	214	142
HIGHEST ANNUAL MEAN			217
LOWEST ANNUAL MEAN			69.4
HIGHEST DAILY MEAN	6190	Apr 3	13000
LOWEST DAILY MEAN	17	Aug 15	11
ANNUAL SEVEN-DAY MINIMUM	17	Aug 14	15
MAXIMUM PEAK FLOW			18600
MAXIMUM PEAK STAGE			27.89
ANNUAL RUNOFF (CFSM)	1.46		1.62
ANNUAL RUNOFF (INCHES)	19.84		21.95
10 PERCENT EXCEEDS	141	428	234
50 PERCENT EXCEEDS	35	48	42
90 PERCENT EXCEEDS	19	24	22

e Estimated

07287405 BLACK CREEK AT HOWARD, MS

LOCATION.--Lat 33°07'11", long 90°11'28", in SW¹/₄ SW¹/₄ NW¹/₄ sec.27, T.15 N., R.1 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08030206, on left bank at downstream side of county road bridge, 0.2 mi south of Howard.

DRAINAGE AREA.--178 mi².

PERIOD OF RECORD.--Water years 1988-95.

PERIOD OF DAILY RECORD.--

DISCHARGE: July 1999 to November 2001.

SUSPENDED SEDIMENT CONCENTRATION: August 1999 to September 2000.

SUSPENDED SEDIMENT DISCHARGE: August 1999 to September 2000.

INSTRUMENTATION.--Water-stage recorder. Datum of gage is assumed. Automatic pumping sediment sampler from August 1999 to September 2000.

REMARKS.--Estimated daily discharge for Water Year 2000: Dec. 10-13, Jan. 3, Mar. 11, 19, Jun. 3, 5-11, Aug. 29-30, Sept. 1-2, 6, 8-11. Discharge records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

EXTREMES FOR WATER YEAR 2000.--

DISCHARGE: Maximum, 15,400 ft³/s, Apr. 3, maximum gage height, 18.23 ft, Apr. 3; minimum daily mean, 31 ft³/s, Aug. 27-28.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 3,710 mg/L, Apr. 3; minimum daily mean, 25 mg/L, Nov. 28.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 129,000 tons, Apr. 3; minimum daily, 2.7 tons, Sept. 30.

EXTREMES FOR WATER YEAR 2001.--

DISCHARGE: Maximum, 15,600 ft³/s, Apr. 5, maximum gage height, 18.31 ft, Apr.5.

07287405 BLACK CREEK AT HOWARD, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
OCTOBER			NOVEMBER			DECEMBER			
1	87	316	75	400	954	1360	46	30	3.6
2	67	224	41	92	193	52	48	26	3.4
3	58	135	21	61	78	13	49	28	3.7
4	52	59	8.4	55	60	9.0	50	31	4.1
5	48	45	5.9	53	54	7.7	68	34	6.2
6	46	40	5.0	51	49	6.7	65	36	6.4
7	47	37	4.7	52	44	6.1	52	34	4.8
8	49	35	4.6	50	39	5.3	51	32	4.4
9	72	38	7.3	49	36	4.6	54	37	5.4
10	63	42	7.1	48	35	4.6	110	241	74
11	48	45	5.9	48	33	4.3	72	105	20
12	43	44	5.2	47	30	3.8	75	320	65
13	43	43	4.9	47	29	3.7	368	280	278
14	41	41	4.6	48	29	3.7	127	136	50
15	39	39	4.1	46	29	3.6	80	66	15
16	40	39	4.2	46	30	3.8	67	48	8.6
17	42	39	4.4	46	26	3.2	62	41	6.8
18	41	40	4.4	46	26	3.1	61	38	6.3
19	43	37	4.3	46	27	3.3	61	36	6.0
20	43	34	4.0	68	30	5.4	59	38	5.9
21	41	34	3.8	61	33	5.4	71	47	9.0
22	41	35	3.9	53	36	5.1	70	32	6.1
23	39	34	3.6	53	35	5.0	62	29	4.8
24	39	34	3.6	59	34	5.4	59	30	4.7
25	39	34	3.5	62	33	5.5	57	30	4.6
26	37	33	3.3	63	31	5.4	57	31	4.7
27	35	33	3.1	56	28	4.2	56	31	4.8
28	36	35	3.4	53	25	3.6	56	32	4.8
29	34	38	3.5	50	30	4.0	71	32	6.2
30	34	42	3.9	47	32	4.2	68	31	5.8
31	48	101	20	---	---	---	64	31	5.3
JANUARY			FEBRUARY			MARCH			
1	61	32	5.2	80	53	12	63	50	8.5
2	58	33	5.2	70	51	9.7	59	46	7.3
3	78	96	20	65	41	7.2	56	42	6.3
4	238	407	291	61	31	5.1	57	38	5.9
5	88	111	27	59	29	4.6	56	35	5.2
6	67	74	13	58	28	4.4	55	32	4.7
7	61	56	9.3	57	28	4.3	54	38	5.4
8	63	66	12	57	30	4.6	51	43	5.9
9	121	238	78	56	33	5.0	52	39	5.4
10	94	95	25	65	33	5.7	140	164	215
11	70	67	13	58	31	4.9	682	666	1230
12	63	55	9.4	54	30	4.4	255	209	156
13	64	44	7.6	60	41	7.1	134	106	39
14	63	45	7.7	98	68	18	103	95	26
15	59	46	7.2	71	51	9.8	95	92	24
16	57	46	7.2	62	40	6.8	128	99	35
17	57	47	7.1	57	39	6.0	140	135	51
18	56	44	6.7	59	43	6.7	99	137	36
19	60	40	6.5	109	120	38	1480	1640	6550
20	66	36	6.5	68	63	12	762	593	1540
21	58	33	5.1	60	46	7.5	306	202	168
22	55	31	4.7	58	38	6.0	192	94	51
23	55	31	4.5	56	32	4.9	152	70	29
24	53	33	4.7	55	33	4.9	130	60	21
25	52	35	4.8	55	35	5.3	118	64	20
26	57	34	4.7	58	40	6.2	113	70	21
27	54	43	6.5	125	114	40	407	628	843
28	102	99	29	89	61	15	272	329	255
29	169	112	51	69	54	9.9	235	323	256
30	144	86	34	---	---	---	729	787	1820
31	98	58	16	---	---	---	354	189	186

YAZOO RIVER BASIN

07287405 BLACK CREEK AT HOWARD, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
APRIL			MAY			JUNE			
1	274	275	284	79	38	8.1	62	32	5.3
2	8030	2710	65100	78	43	8.9	62	33	5.5
3	11800	3710	129000	238	969	770	62	37	6.2
4	5190	1680	27700	198	389	225	70	62	17
5	1120	451	1390	117	106	34	289	436	340
6	741	327	659	95	67	17	130	118	41
7	652	242	427	86	60	14	95	57	15
8	571	197	305	78	53	11	73	47	9.3
9	394	159	170	73	47	9.2	64	41	7.1
10	296	121	98	74	55	11	60	35	5.7
11	251	98	67	72	48	9.4	60	31	5.0
12	222	94	56	71	41	7.9	59	30	4.8
13	291	167	128	71	42	8.0	58	31	4.9
14	276	101	76	68	43	7.9	58	33	5.2
15	205	82	46	67	44	7.9	57	33	5.2
16	168	65	30	66	40	7.1	58	33	5.2
17	144	51	20	67	35	6.3	64	33	5.7
18	126	45	15	65	34	5.9	84	63	22
19	117	43	13	65	34	6.1	131	246	109
20	110	47	14	71	55	11	68	63	12
21	104	50	14	102	189	55	66	42	7.5
22	100	46	12	77	55	12	110	70	23
23	98	40	11	70	45	8.5	67	53	9.6
24	101	35	9.6	67	40	7.3	62	50	8.3
25	96	36	9.3	66	39	7.0	59	45	7.2
26	91	38	9.4	65	38	6.6	57	42	6.5
27	88	42	9.8	63	36	6.1	119	167	110
28	86	41	9.5	80	34	7.4	175	350	192
29	83	40	8.9	70	34	6.3	97	212	57
30	82	39	8.5	66	32	5.8	69	98	18
31	---	---	---	63	31	5.4	---	---	---
JULY			AUGUST			SEPTEMBER			
1	62	82	14	40	54	5.8	33	64	5.7
2	67	90	20	42	51	5.7	32	166	14
3	89	167	44	39	46	4.8	33	250	22
4	60	118	19	39	51	5.4	33	333	29
5	56	78	12	39	52	5.5	32	206	17
6	51	62	8.6	42	53	6.1	32	58	5.0
7	51	55	7.4	41	54	6.0	33	49	4.3
8	58	52	8.1	36	57	5.6	33	50	4.4
9	52	51	7.1	38	60	6.2	33	48	4.3
10	49	53	7.1	35	62	5.9	32	45	3.8
11	48	58	7.5	35	59	5.6	32	43	3.7
12	47	58	7.4	35	51	4.9	39	49	5.3
13	45	55	6.8	36	43	4.1	104	107	31
14	43	51	6.0	34	37	3.4	47	62	8.1
15	43	50	5.8	34	41	3.7	36	47	4.6
16	45	49	6.0	34	37	3.4	35	43	4.0
17	44	49	5.8	34	37	3.4	35	41	3.8
18	44	51	6.0	33	50	4.5	33	38	3.4
19	49	53	7.0	34	45	4.1	33	35	3.1
20	43	55	6.4	34	38	3.4	33	35	3.1
21	42	58	6.5	32	33	2.8	34	38	3.5
22	43	60	7.0	32	35	3.1	34	41	3.8
23	43	60	7.1	33	41	3.7	35	40	3.8
24	45	60	7.3	33	55	4.9	39	46	5.0
25	40	62	6.7	33	67	5.9	53	49	7.1
26	39	63	6.8	32	64	5.5	39	37	4.0
27	39	57	6.1	31	59	5.0	36	36	3.5
28	39	50	5.3	31	54	4.6	34	33	3.1
29	40	50	5.4	30	49	4.1	35	30	2.8
30	45	53	6.5	32	46	4.0	36	28	2.7
31	42	55	6.2	33	53	4.7	---	---	---

07287405 BLACK CREEK AT HOWARD, MS--Continued

SELECTED RUNOFF EVENTS, 2001 WATER YEAR

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
11-08	1100	5.68	44	01-18	0100	6.79	206	04-04	1745	5.93	84
11-08	1800	6.36	128	01-18	0500	6.98	236	04-04	2000	6.08	103
11-08	1900	6.99	238	01-18	0800	9.71	850	04-04	2200	7.61	345
11-08	2000	8.88	594	01-18	0900	12.70	3,360	04-04	2230	10.02	1,010
11-08	2030	10.62	1,390	01-18	0930	13.84	4,950	04-04	2300	11.92	2,490
11-08	2100	12.08	2,660	01-18	1030	15.00	7,000	04-04	2330	13.34	4,200
11-08	2130	13.16	3,960	01-18	1130	15.53	8,090	04-04	2400	14.37	5,830
11-08	2200	13.96	5,140	01-18	1230	15.85	8,800	04-05	0030	15.09	7,180
11-08	2215	14.29	5,690	01-18	1330	15.98	9,100	04-05	0130	15.80	8,690
11-08	2230	14.56	6,170	01-18	1430	16.03	9,220	04-05	0230	16.12	9,430
11-08	2245	14.80	6,610	01-18	1630	15.93	8,980	04-05	0400	16.48	10,300
11-08	2300	14.95	6,900	01-18	1730	16.03	9,220	04-05	0500	16.71	10,900
11-08	2330	15.18	7,360	01-18	1900	16.32	9,910	04-05	0600	16.78	11,100
11-08	2400	15.29	7,580	01-18	2100	16.62	10,700	04-05	0700	16.81	11,200
11-09	0015	15.30	7,600	01-18	2300	16.86	11,300	04-05	0800	16.96	11,600
11-09	0030	15.30	7,600	01-18	2400	16.85	11,300	04-05	0900	17.16	12,100
11-09	0045	15.32	7,650	01-19	0200	16.84	11,200	04-05	0930	17.22	12,300
11-09	0115	15.33	7,670	01-19	0330	16.94	11,500	04-05	1000	17.41	12,800
11-09	0145	15.28	7,560	01-19	0530	17.22	12,300	04-05	1100	17.62	13,500
11-09	0215	15.19	7,370	01-19	0600	17.37	12,700	04-05	1130	17.76	13,900
11-09	0245	15.10	7,200	01-19	0700	17.45	13,000	04-05	1200	17.90	14,300
11-09	0315	15.07	7,140	01-19	0745	17.57	13,300	04-05	1230	17.93	14,400
11-09	0345	14.96	6,920	01-19	0800	17.61	13,400	04-05	1300	18.11	15,000
11-09	0415	14.88	6,770	01-19	0945	17.47	13,000	04-05	1330	18.22	15,300
11-09	0500	14.83	6,670	01-19	1045	17.40	12,800	04-05	1400	18.23	15,400
11-09	0600	14.79	6,600	01-19	1145	17.36	12,700	04-05	1430	18.29	15,600
11-09	0700	14.70	6,420	01-19	1215	17.50	13,100	04-05	1500	18.26	15,500
11-09	0800	14.55	6,150	01-19	1245	17.54	13,200	04-05	1530	18.25	15,400
11-09	0900	14.26	5,640	01-19	1315	17.48	13,000	04-05	1545	18.31	15,600
11-09	1000	13.87	5,000	01-19	1345	17.40	12,800	04-05	1600	18.24	15,400
11-09	1100	13.41	4,300	01-19	1415	17.29	12,500	04-05	1645	18.21	15,300
11-09	1200	12.96	3,690	01-19	1515	17.23	12,300	04-05	1730	18.18	15,200
11-09	1300	12.52	3,140	01-19	1545	17.30	12,500	04-05	1815	18.04	14,700
11-09	1400	12.06	2,630	01-19	1615	17.30	12,500	04-05	1900	17.92	14,400
11-09	1500	11.56	2,140	01-19	1715	17.14	12,100	04-05	1945	17.71	13,700
11-09	1600	11.06	1,720	01-19	1900	16.95	11,600	04-05	2030	17.54	13,200
11-09	1700	10.58	1,360	01-19	2100	16.66	10,800	04-05	2115	17.31	12,500
11-09	1800	10.13	1,080	01-19	2300	16.21	9,640	04-05	2200	16.98	11,600
11-09	1900	9.76	872	01-19	2400	15.82	8,730	04-05	2300	16.47	10,300
11-09	2000	9.44	748	01-20	0100	15.26	7,520	04-05	2400	15.41	7,840
11-09	2100	9.17	666	01-20	0200	14.57	6,190	04-06	0100	14.25	5,620
11-09	2200	8.94	607	01-20	0500	12.96	3,690	04-06	0300	12.45	3,060
11-09	2300	8.72	559	01-20	1200	11.42	2,020	04-06	0600	11.18	1,810
11-09	2400	8.53	520	01-21	0400	10.06	1,030	04-06	1000	10.29	1,170
11-10	0030	8.44	502	01-21	2000	9.59	800	04-06	1900	9.25	688

YAZOO RIVER BASIN

07288280 BIG SUNFLOWER RIVER NEAR MERIGOLD, MS
(National Water-Quality Assessment station)

LOCATION.--Lat 33°49'57", long 90°40'12", in SW1/4 NW1/4 sec.24, T.23 N., R.5 W., Choctaw Meridian, Bolivar County, Hydrologic Unit 03080207, County Code 011, at county road bridge 3.0 mi west of U.S. Highway 61 south of Merigold about 0.1 mi and about 89.6 mi upstream from the mouth.

DRAINAGE AREA.--553 mi².

PERIOD OF RECORD.--Oct. 1992 to current year.

REVISED RECORDS.--WDR-MS-97-1: 1996.

GAGE.--Water stage recorder. Datum of gage is 100.00 ft above sea level (Mississippi Department of Transportation datum).

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	47	3150	197	966	4060	92	42	1370	522	443	702
2	38	46	2480	119	663	3760	79	41	1370	409	406	1010
3	39	44	1990	107	407	3380	70	49	1310	295	317	1090
4	38	46	1530	109	258	3390	70	62	1110	307	267	968
5	38	48	1040	100	184	3150	137	50	759	315	254	696
6	40	56	562	97	156	2690	276	48	698	273	254	401
7	39	67	266	94	178	2250	177	48	925	228	340	206
8	36	104	182	89	176	1840	114	53	1210	204	431	130
9	36	265	140	76	160	1410	80	62	1320	194	363	85
10	36	295	104	54	120	971	75	65	1340	175	387	67
11	37	227	80	61	91	595	59	53	1230	156	576	53
12	37	153	62	163	667	782	68	46	1010	179	510	46
13	37	101	120	172	2350	1470	903	59	740	875	355	51
14	37	73	543	137	3360	1400	1600	58	522	1690	288	52
15	38	59	769	142	3690	1600	2130	49	378	1880	222	40
16	38	56	2300	139	5260	1640	2600	46	312	1850	182	33
17	39	100	3090	272	6910	1410	2460	51	293	1670	163	37
18	38	148	2970	1930	6910	1040	2130	68	244	1310	193	30
19	36	116	2580	3600	6520	635	1700	78	199	850	206	19
20	35	73	2130	4420	5970	367	1180	114	182	487	309	16
21	33	48	1680	4310	5330	263	659	101	176	322	327	15
22	28	38	1180	3930	4630	284	348	100	171	264	238	14
23	31	33	700	3500	3920	295	241	99	204	245	191	14
24	36	1970	357	2820	3260	225	187	91	209	260	185	13
25	39	4890	210	2260	3420	159	155	94	174	258	176	12
26	40	5680	154	1830	3100	108	142	69	130	270	161	10
27	39	5610	673	1370	2850	84	106	47	106	274	138	9.5
28	40	5170	1040	881	3930	83	80	725	116	302	189	7.8
29	42	4570	977	668	---	98	61	1190	301	328	146	8.0
30	46	3870	677	1220	---	90	50	1080	538	373	123	9.0
31	48	---	380	1200	---	78	---	1130	---	389	244	---
TOTAL	1171	34003	34116	36067	75436	39607	18029	5868	18647	17154	8584	5844.3
MEAN	37.8	1133	1101	1163	2694	1278	601	189	622	553	277	195
MAX	48	5680	3150	4420	6910	4060	2600	1190	1370	1880	576	1090
MIN	28	33	62	54	91	78	50	41	106	156	123	7.8
CFSM	.07	2.05	1.99	2.10	4.87	2.31	1.09	.34	1.12	1.00	.50	.35
IN.	.08	2.29	2.29	2.43	5.07	2.66	1.21	.39	1.25	1.15	.58	.39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2001, BY WATER YEAR (WY)

	MEAN	87.4	335	838	1400	1418	1486	885	475	742	727	349	137
MAX	250	1133	1557	2344	3968	2853	1753	1112	2311	2201	803	204	
(WY)	1998	2001	1997	1998	1994	1997	2000	1993	1997	1994	1993	1994	
MIN	22.1	15.6	201	32.0	269	220	277	176	224	232	206	52.8	
(WY)	1996	1996	2000	2000	1993	1993	1994	1996	2000	2000	1995	1995	

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1993 - 2001
ANNUAL TOTAL	223877	294526.3	737
ANNUAL MEAN	612	807	1175
HIGHEST ANNUAL MEAN			1994
LOWEST ANNUAL MEAN			390
HIGHEST DAILY MEAN	6400	Apr 4	6910
LOWEST DAILY MEAN	15	Jan 1	7.8
ANNUAL SEVEN-DAY MINIMUM	20	Jan 1	9.9
MAXIMUM PEAK FLOW			7040
MAXIMUM PEAK STAGE			30.56
INSTANTANEOUS LOW FLOW			7.7
ANNUAL RUNOFF (CFSM)	1.11	1.46	1.33
ANNUAL RUNOFF (INCHES)	15.06	19.81	18.11
10 PERCENT EXCEEDS	1980	2640	2350
50 PERCENT EXCEEDS	156	206	224
90 PERCENT EXCEEDS	36	38	37

YAZOO RIVER BASIN

155

07288650 BOGUE PHALIA NEAR LELAND, MS
(National Water-Quality Assessment station)

LOCATION.--Lat 33°23'49", long 90°50'42", in SW1/4 NW1/4 sec.20, T.18 N., R.6 W., Choctaw Meridian, Washington County, Hydrologic Unit 03030207, County Code 151, at county road bridge 2.7 mi east of Leland and 1.5 mi downstream of U.S. Highway 82.

DRAINAGE AREA.--484 mi², U.S. Army Corps of Engineers.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Oct. 1, 1995 to current year. Nov. 13, 1945, to September 29, 1992, stage data available; November 1945 to date, measured discharge available; November 14, 1945, to December 31, 1946, daily discharge available in U.S. Army Corps of Engineer's records.

REVISED RECORD.--WDR MS-99-1: 1998.

GAGE.--Water stage recorder. Datum of gage is 86.21 ft above sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--Estimated daily discharges: Jan. 1-4. Records good except for estimated daily discharges, which are poor. U.S. Army Corps of Engineers satellite telemeter at station.

EXTREMES OUTSIDE OF PERIOD OF RECORD: Maximum gage height 28.80 ft, Feb. 22, 1991, by U.S. Army Corps of Engineers.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	5.5	3030	e500	763	5930	54	34	1760	195	401	1750
2	17	6.1	1620	e370	474	4340	49	33	1270	164	764	3250
3	15	7.5	817	e200	325	3430	45	29	760	147	736	4330
4	14	10	440	e160	213	3170	47	27	423	119	599	3650
5	14	8.7	284	133	145	2620	52	29	240	116	437	2350
6	15	17	194	116	115	1810	59	26	148	141	342	1340
7	13	138	138	115	113	1180	59	25	124	211	432	771
8	12	278	104	119	105	820	52	29	162	253	648	449
9	10	965	86	107	94	548	47	83	235	281	543	265
10	9.6	987	75	89	106	361	42	96	228	260	546	152
11	9.0	534	68	87	95	231	39	58	165	170	1680	84
12	8.5	247	63	216	456	923	49	37	110	133	1850	71
13	7.9	132	65	248	3700	2830	437	28	75	554	1170	64
14	7.3	84	197	185	4910	2480	1520	24	54	2860	703	58
15	6.8	59	751	155	4320	2720	3520	24	46	4070	449	49
16	6.4	49	3670	124	5870	2450	4000	28	48	3420	314	42
17	6.2	120	5680	381	8220	1370	2660	30	55	1900	234	36
18	6.1	145	5090	3810	8270	656	1250	30	60	887	236	31
19	5.7	112	3380	7810	7220	323	532	37	56	419	203	27
20	5.5	81	1700	8300	5370	190	251	48	55	240	192	24
21	5.5	56	796	7440	3540	136	134	70	58	170	416	21
22	5.6	40	490	5630	2090	118	94	114	68	155	614	19
23	5.6	30	359	3670	1260	98	77	77	80	165	432	18
24	5.6	2240	249	2090	865	86	81	59	82	171	314	17
25	5.6	7320	168	1110	1850	76	58	48	84	156	222	16
26	5.5	8350	127	628	2340	67	44	49	81	108	166	16
27	5.6	8390	2170	353	2220	59	39	44	94	135	123	16
28	5.5	7790	4080	242	5710	54	34	90	118	182	192	15
29	5.5	6490	3690	308	---	58	32	416	121	157	537	15
30	5.5	4810	2530	1090	---	60	33	612	148	146	507	15
31	5.5	---	1350	1160	---	58	---	1420	---	162	777	---
TOTAL	268.0	49501.8	43461	46946	70759	39252	15390	3754	7008	18247	16779	18961
MEAN	8.65	1650	1402	1514	2527	1266	513	121	234	589	541	632
MAX	18	8390	5680	8300	8270	5930	4000	1420	1760	4070	1850	4330
MIN	5.5	5.5	63	87	94	54	32	24	46	108	123	15
CFSM	.02	3.41	2.90	3.13	5.22	2.62	1.06	.25	.48	1.22	1.12	1.31
IN.	.02	3.80	3.34	3.61	5.44	3.02	1.18	.29	.54	1.40	1.29	1.46

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2001, BY WATER YEAR (WY)

	1996	1997	1998	1999	2000	2001
MEAN	119	407	869	1512	1168	1107
MAX	576	1650	1402	3144	2527	2135
(WY)	1998	2001	2001	1999	2001	1997
MIN	6.73	6.84	153	46.7	256	354
(WY)	1996	1996	2000	2000	1996	1998

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1996 - 2001

ANNUAL TOTAL	254082.8	330326.8	675
ANNUAL MEAN	694	905	947
HIGHEST ANNUAL MEAN			346
LOWEST ANNUAL MEAN			1996
HIGHEST DAILY MEAN	9670	8390	9670
LOWEST DAILY MEAN	5.5	5.5	5.5
ANNUAL SEVEN-DAY MINIMUM	5.5	5.5	5.5
MAXIMUM PEAK FLOW		8500	9750
MAXIMUM PEAK STAGE		25.62	26.88
INSTANTANEOUS LOW FLOW		5.3	5.3
ANNUAL RUNOFF (CFSM)	1.43	1.87	1.40
ANNUAL RUNOFF (INCHES)	19.53	25.39	18.96
10 PERCENT EXCEEDS	1960	3400	2010
50 PERCENT EXCEEDS	108	148	150
90 PERCENT EXCEEDS	18	15	16

e Estimated

a Also occurred on Oct. 25,26,27,28,29,30,31 and Nov. 1,2.

07288650 BOGUE PHALIA NEAR LELAND, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1995 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 1996 to January 1998.

WATER TEMPERATURE: July 1996 to January 1998.

INSTRUMENTATION.--Specific conductance and water temperature data logger from July 1996 to January 1998.

WATER QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TURBID-ITY LAB HACH 2100AN (NTU) (99872)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	
FEB 05...	1115	145	520	11.2	7.1	156	7.5	16.1	5.00	2.95	7.0	65	
MAR 05...	1130	2640	270	9.8	7.3	109	11.0	11.6	3.40	2.57	3.3	46	
APR 02...	1100	49	79	8.5	7.3	327	15.5	38.6	11.0	2.83	9.8	112	
MAY 02...	1000	30	--	7.1	7.5	465	25.5	57.4	16.9	3.40	10.7	180	
JUN 07...	1130	122	150	5.0	7.4	305	26.0	30.6	10.0	3.95	11.3	96	
JUL 03...	1130	148	59	6.6	8.3	613	31.0	64.0	22.5	3.63	26.1	221	
AUG 06...	1030	337	33	5.9	7.8	540	29.5	62.4	21.3	4.13	20.4	217	
SEP 05...	1030	2420	19	3.2	7.4	241	26.0	24.3	7.76	8.49	6.5	72	
DATE		BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)
FEB 05...	79	4.5	E.1	5.3	8.2	108	.081	.56	2.0	.446	.008	.047	
MAR 05...	56	1.7	E.1	4.3	4.1	72	.075	.45	1.2	.315	.009	.064	
APR 02...	136	7.2	.2	9.6	21.5	198	<.041	.37	.74	.241	.007	<.060	
MAY 02...	219	6.0	.2	10.9	36.7	285	<.041	.41	1.0	<.047	<.006	<.060	
JUN 07...	115	5.8	.3	9.0	33.1	188	.093	1.0	1.6	1.76	.421	E.038	
JUL 03...	264	9.3	.2	15.7	75.5	391	.081	.85	1.5	1.74	.547	E.041	
AUG 06...	258	8.8	.2	22.0	45.4	320	<.040	.34	.81	E.041	.006	.093	
SEP 05...	87	5.7	E.1	15.7	13.1	158	E.053	E.63	.80	E.095	E.016	E.246	

Remark Codes:

< -- Less than

E -- Estimated value

07288650 BOGUE PHALIA NEAR LELAND, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	PHOS- PHORUS ORTHOSOLVED (MG/L AS P) (00671)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	IRON- DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE- DIS- SOLVED (UG/L AS MN) (01056)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA- CHLOR, WATER, DISS, REC (UG/L) (46342)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)
FEB 05...	.019	--	10	4.0	<.002	<.004	<.002	<.005	.011	<.010	<.002	<.041
MAR 05...	.060	.351	20	<3.2	<.002	<.004	<.010	<.005	.021	<.010	<.002	<.041
APR 02...	E.012	.170	M	143	<.002	<.004	<.002	<.005	.020	<.010	<.002	<.041
MAY 02...	.018	.166	<10	238	<.002	<.004	<.002	<.005	.494	<.010	<.002	<.041
JUN 07...	.036	.241	<10	12.5	<.002	<.004	<.002	<.005	.981	<.010	<.002	<.041
JUL 03...	<.020	.207	<10	E2.1	<.002	<.004	<.002	<.005	.234	<.010	<.002	<.041
AUG 06...	.081	.177	<10	6.2	<.002	<.004	<.002	<.005	.019	<.010	<.002	<.041
SEP 05...	E.215	.327	60	15.6	<.002	<.004	<.002	<.005	.029	<.010	<.002	<.041
DATE	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ZINE, WATER, DISS, REC (UG/L) (04040)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FOFOS WATER DISS REC (UG/L) (04095)
FEB 05...	<.020	<.005	E.013	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005	<.003
MAR 05...	<.020	<.005	.028	<.003	<.006	<.005	<.005	<.021	<.030	<.009	<.005	<.003
APR 02...	<.020	<.005	.093	<.003	E.002	E.003	<.005	<.021	<.030	<.009	<.005	<.003
MAY 02...	E.013	<.005	E.015	<.003	E.019	<.005	<.005	<.021	<.009	<.009	<.005	<.003
JUN 07...	<.020	<.005	.019	<.003	E.086	<.005	<.005	<.021	<.002	<.009	<.005	<.003
JUL 03...	<.020	<.005	.102	<.003	E.013	<.005	<.005	<.021	<.002	<.009	<.005	<.003
AUG 06...	<.020	<.005	.053	<.003	E.004	<.005	<.005	<.021	<.002	<.009	<.005	<.003
SEP 05...	<.020	<.005	.061	<.003	E.007	<.005	<.005	<.021	<.002	<.009	<.005	<.003
DATE	LINDANE DIS- SOLVED (UG/L) (39341)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA- THION, DIS- SOLVED (UG/L) (39532)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN WATER DISSOLV (UG/L) (82630)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)
FEB 05...	<.004	<.035	<.027	<.050	<.006	.032	<.006	.062	<.007	<.003	<.007	<.600
MAR 05...	<.004	<.035	E.017	<.050	<.006	.035	<.006	.014	<.007	<.003	<.007	<.002
APR 02...	<.004	<.035	<.027	<.050	<.006	.017	<.006	.035	<.007	<.003	<.007	<.020
MAY 02...	<.004	<.035	<.027	<.050	<.006	.409	.007	.059	<.007	<.003	<.007	<.002
JUN 07...	<.004	<.035	<.027	<.050	<.006	.898	<.006	E23.5	<.007	<.003	<.007	<.002
JUL 03...	<.004	.554	<.027	<.050	<.006	.294	<.006	21.9	<.007	<.003	<.007	<.002
AUG 06...	<.004	<.035	.077	<.050	<.006	.090	<.006	.120	<.007	<.003	<.007	<.002
SEP 05...	<.004	.106	.072	<.050	.031	.098	<.006	<.040	<.007	<.003	<.007	<.002

Remark Codes:

< -- Less than
E -- Estimated value

Null Value Remark Codes:

M -- Presence verified, not quantified

07288650 BOGUE PHALIA NEAR LELAND, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER- BUPOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)
FEB												
05...	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	.011	<.016	<.034	<.017
MAR												
05...	.013	<.006	<.011	<.015	<.004	<.010	.011	<.023	.046	<.016	<.034	<.017
APR												
02...	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	E.007	<.016	<.034	<.017
MAY												
02...	<.010	<.006	<.011	E.001	<.004	<.010	<.011	<.023	.014	E.014	<.034	<.017
JUN												
07...	<.010	<.006	<.011	E.004	<.004	<.010	.012	<.023	<.011	<.016	<.034	<.017
JUL												
03...	<.010	<.006	<.011	<.015	<.004	<.010	.062	<.023	<.011	<.016	<.034	<.017
AUG												
06...	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017
SEP												
05...	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017
DATE	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	SEDI- MENT, SUS- PENDEED (MG/L) (80154)								
FEB												
05...	<.005	<.002	<.009	514								
MAR												
05...	E.004	<.002	<.009	256								
APR												
02...	<.005	<.002	<.009	239								
MAY												
02...	<.005	<.002	<.009	127								
JUN												
07...	<.005	<.002	<.009	153								
JUL												
03...	<.005	<.002	<.009	148								
AUG												
06...	<.005	<.002	<.009	128								
SEP												
05...	<.006	<.002	<.009	54								

Remark Codes:

< -- Less than

E -- Estimated value

07288955 YAZOO RIVER BELOW STEELE BAYOU NEAR LONG LAKE, MS
(National Water-Quality Assessment station)

LOCATION.--Lat 32°26'35", long 90°54'51", in SE1/4 SE1/4 sec.4, T.17 N., R.3 E., Washington Meridian, Warren County, Hydrologic Unit 08030208, on left bank at downstream abandoned Eagle Lake Ferries site, 1.5 mi downstream from Steele Bayou, 2.5 mi northwest of Long Lake, and at river mile 9.5 upstream of the confluence of the Yazoo River Diversion Canal with the Mississippi River.

DRAINAGE AREA.--13,355 mi², approximately, U.S. Army Corps of Engineers.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1996 to current year.

GAGE.--Water-stage recorder and acoustic velocity meter. Datum of gage is sea level (U.S. Army Corps of Engineers benchmark).

REMARKS.--Estimated daily discharges: Jan. 19 - Aug. 19 and Aug. 27,28. Records good except estimated daily discharges, which are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4660	6080	28600	30900	e32000	e30000	e32000	e9940	e5410	e9200	e9800	13500
2	4400	6290	27900	25400	e31000	e31000	e28000	e9000	e6800	e9050	e11000	22300
3	4050	6340	27300	20100	e28000	e32000	e26000	e8200	e8600	e8700	e12000	28700
4	3670	6490	25900	17100	e26000	e34000	e23000	e7200	e11000	e8000	e11300	29800
5	2960	6680	24200	13700	e24000	e36000	e20400	e6600	e14500	e7400	e10200	30800
6	3210	6960	22100	11600	e22000	e40700	e20000	e6000	e15000	e6990	e9400	29000
7	3800	7610	21300	12000	e20500	e43000	e21000	e5600	e16000	e6700	e8800	26500
8	3850	8380	17200	10100	e19000	e46000	e22000	e5200	e16300	e6650	e8400	24100
9	4020	10100	15900	8420	e21000	e48000	e24000	e5000	e15500	e6600	e8140	21100
10	4070	13400	13600	8820	e23000	e50000	e26000	e4700	e14500	e7000	e8500	18300
11	4120	15000	11100	8300	e26000	e52000	e27800	e4600	e10500	e7500	e9200	15600
12	4280	13800	9950	7020	e28000	e55000	e29000	e4300	e8600	e8000	e10000	13500
13	4050	12500	9740	7590	e30000	e57000	e29400	e4100	e7600	e9000	e11300	12700
14	4080	9810	10200	6950	e31800	e60000	e29100	e4000	e6800	e10000	e13000	11100
15	4020	8920	11500	6480	e32000	e67000	e27800	e3850	e5920	e11500	e13400	10600
16	4510	8620	12100	6290	e34000	e67900	e27000	e3700	e5400	e13500	e13000	10300
17	5160	8900	19400	6620	e36000	e67400	e26000	e3500	e4900	e14000	e12000	10300
18	5680	9430	25600	8830	e37000	e66000	e24600	e3220	e4500	e13000	e11000	10300
19	5890	10100	27300	e17000	e38000	e64000	e23600	e2200	e4290	e11000	e10000	10400
20	6020	10600	26400	e38000	e39800	e61000	e20000	e1100	e4150	e9700	10200	9950
21	6000	10200	24300	e52000	e40000	e57000	e17000	e600	e4100	e7100	9840	9200
22	6180	10000	23800	e54000	e38800	e52000	e15500	e380	e4190	e6300	10100	9350
23	6130	9840	21700	e58000	e38000	e49000	e15000	e330	e4500	e5700	11300	9500
24	6080	11400	18700	e55200	e36000	e48000	e16000	e309	e5000	e5300	11800	10200
25	6020	20600	16900	e51200	e34200	e50000	e17000	e300	e6000	e5000	11100	9700
26	5930	32300	15400	e45000	e33000	e52000	e18800	e310	e7000	e4700	10700	9830
27	5780	35100	16200	e38000	e32100	e49000	e19000	e380	e7660	e4450	e9500	9790
28	5870	33900	29400	e30000	e31000	e46000	e18000	e450	e8000	e4300	e9700	9470
29	5640	31200	39200	e28000	---	e42000	e17000	e501	e8400	e5000	10900	9400
30	5840	29600	39600	e32000	---	e39000	e13000	e900	e9000	e5600	12000	9220
31	5940	---	37900	e33000	---	e36000	---	e2000	---	e7000	12700	---
TOTAL	151910	410150	670390	747620	862200	1528000	673000	108470	250120	243940	330280	454510
MEAN	4900	13670	21630	24120	30790	49290	22430	3499	8337	7869	10650	15150
MAX	6180	35100	39600	58000	40000	67900	32000	9940	16300	14000	13400	30800
MIN	2960	6080	9740	6290	19000	30000	13000	300	4100	4300	8140	9200
CFSM	.37	1.02	1.62	1.81	2.31	3.69	1.68	.26	.62	.59	.80	1.13
IN.	.42	1.14	1.87	2.08	2.40	4.26	1.87	.30	.70	.68	.92	1.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2001, BY WATER YEAR (WY)

	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
MEAN	8466	11100	18010	26420	28610	28450	27600	12940	12690	10660	9788	10080
MAX	14700	14330	30020	38410	45070	49290	43620	29700	24420	21180	14730	15150
(WY)	1998	1997	1997	1998	1997	2001	1997	1997	1997	1997	1997	2001
MIN	4819	6953	6382	3996	3650	12200	9416	3499	4309	4335	5267	5328
(WY)	1999	2000	2000	2000	2000	1996	1998	2001	2000	2000	2000	2000

SUMMARY STATISTICS

	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1996 - 2001
ANNUAL TOTAL	4381063	6430590	
ANNUAL MEAN	11970	17620	17000
HIGHEST ANNUAL MEAN			25400
LOWEST ANNUAL MEAN			10270
HIGHEST DAILY MEAN	71000	67900	71000
LOWEST DAILY MEAN	690	300	-3750
ANNUAL SEVEN-DAY MINIMUM	1590	351	-2160
MAXIMUM PEAK FLOW		67900a	72100
MAXIMUM PEAK STAGE		89.02	98.31
ANNUAL RUNOFF (CFSM)	.90	1.32	1.27
ANNUAL RUNOFF (INCHES)	12.20	17.91	17.30
10 PERCENT EXCEEDS	32800	38300	38500
50 PERCENT EXCEEDS	5680	11100	11600
90 PERCENT EXCEEDS	3180	4300	4600

e Estimated

a Maximum observed.

07288955 YAZOO RIVER BELOW STEELE BAYOU NEAR LONG LAKE, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1995 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 1996 to January 1998.

WATER TEMPERATURE: June 1996 to January 1998.

INSTRUMENTATION.--Specific conductance and water temperature data logger from June 1996 to January 1998.

REMARKS.--Site affected by backwater from the Mississippi River. Little Sunflower River Drainage Structure WY01 closure dates: Oct. 1-Nov. 25, Dec. 7-16, Jan. 4-17, Jan. 31-Feb. 13, Feb. 25-Mar. 13, Mar. 15, Mar. 22-Apr. 17, Apr. 20-June 1, June 7-Sept. 2, Sept. 13-30 (furnished by U.S. Army Corps of Engineers). Steele Bayou Drainage Structure WY01 closure dates: Oct. 10-21 (1 gate open 0.5 ft), Oct. 22-25 (1 gate open 1.0 ft), Oct. 26-Nov. 4 (1 gate open 0.5 ft), Nov. 5-May 23 (1 gate open 1.0 ft), May 24-June 1, June 14-20, Sept. 28-30 (1 gate open 0.5 ft) (furnished by U.S. Army Corps of Engineers). Twice-daily measurements of specific conductance and water temperature collected by local observer from June 1996 to January 1998. In water years 1961-62 and 1972-93, data were collected 8.5 mi upstream (station 07288800).

WATER QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SAM- PLING DEPTH (FEET) (000003)	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	SAMPLE LOC- ATION, CROSS SECTION (FT FM L BANK) (00009)
OCT							
16...	1200	--	8.5	6.9	128	19.0	--
16...	1230	1.00	8.6	7.0	128	19.0	50.0
16...	1231	11.0	8.1	6.9	129	19.0	50.0
16...	1232	1.00	8.5	7.0	129	19.0	150
16...	1233	15.0	8.0	6.9	129	19.0	150
16...	1234	1.00	8.5	6.9	128	19.0	250
16...	1235	15.0	8.2	6.9	128	19.0	250
30...	1200	--	7.2	6.9	100	21.5	--
30...	1231	1.00	7.2	6.9	100	21.5	50.0
30...	1232	8.60	7.1	6.8	100	21.5	50.0
30...	1233	1.00	7.2	6.9	100	21.5	150
30...	1234	14.0	7.0	6.8	100	21.0	150
30...	1235	1.00	7.3	6.9	100	21.5	225
30...	1236	10.8	7.0	6.9	101	21.5	225
NOV							
20...	1200	--	9.6	7.4	146	11.5	--
20...	1230	1.00	9.7	7.4	146	12.0	50.0
20...	1231	23.0	9.6	7.3	144	11.5	50.0
20...	1232	1.00	10.2	7.4	148	11.5	150
20...	1233	11.0	9.7	7.4	144	11.5	150
20...	1234	1.00	9.8	7.3	150	11.5	225
20...	1235	12.0	9.2	7.4	151	11.5	225
28...	1200	--	8.6	7.0	98	10.0	--
DEC							
08...	1200	--	10.6	7.0	99	8.0	--
08...	1201	1.00	10.8	7.0	89	8.0	50.0
08...	1202	15.0	10.7	7.0	88	8.0	50.0
08...	1203	1.00	10.7	7.0	99	8.0	150
08...	1204	23.0	10.6	7.0	99	8.0	150
08...	1205	1.00	10.7	7.0	111	8.0	250
08...	1206	10.0	10.5	7.0	111	8.0	250
20...	1200	--	11.3	6.9	86	5.5	--
JAN							
10...	1200	--	12.9	6.4	111	3.0	--
10...	1201	1.00	13.2	6.2	112	3.0	75.0
10...	1202	19.0	12.9	6.3	112	3.0	75.0
10...	1203	1.00	12.9	6.4	111	3.0	150
10...	1204	18.5	12.8	6.4	111	3.0	150
10...	1205	1.00	12.9	6.5	111	3.0	250
10...	1206	15.0	12.8	6.5	111	3.0	250
24...	1200	--	11.5	6.9	58	4.9	--
FEB							
06...	1300	--	11.1	6.8	78	8.0	--
06...	1301	1.00	10.9	6.7	75	8.0	50.0
06...	1302	20.0	10.8	6.7	75	8.0	50.0
06...	1303	1.00	11.1	7.1	80	8.0	150
06...	1304	32.0	11.1	6.9	81	8.0	150
06...	1305	1.00	10.9	6.8	84	8.0	250
06...	1306	15.0	10.8	6.8	85	8.0	250
22...	1230	--	11.0	6.3	60	10.5	--
22...	1231	1.00	11.3	6.4	59	10.5	100
22...	1232	39.0	10.9	6.5	60	10.5	100
22...	1233	1.00	11.0	6.3	59	10.5	175
22...	1234	50.0	10.7	6.3	61	10.5	175
22...	1235	1.00	10.9	6.3	61	10.5	275
22...	1236	48.0	10.6	6.3	59	10.5	275

07288955 YAZOO RIVER BELOW STEELE BAYOU NEAR LONG LAKE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SAM- PLING DEPTH (FEET) (000003)	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	SAMPLE LOC- ATION, CROSS SECTION (FT FM L BANK) (00009)
MAR							
06...	1200	--	7.6	6.6	66	12.0	--
06...	1231	1.00	7.6	6.7	66	12.0	200
06...	1232	47.0	7.6	6.6	67	12.0	200
06...	1233	1.00	7.5	6.6	65	12.0	350
06...	1234	53.0	7.6	6.6	67	12.0	350
06...	1235	1.00	7.8	6.6	65	12.0	450
06...	1236	40.0	7.6	6.6	66	12.0	450
23...	1200	--	8.5	6.5	80	13.0	--
23...	1201	1.00	9.3	6.4	79	13.0	175
23...	1202	48.0	9.1	6.5	76	13.0	175
23...	1203	1.00	8.5	6.5	80	13.0	275
23...	1204	49.0	8.3	6.5	79	13.0	275
23...	1205	1.00	8.2	6.5	82	13.0	375
23...	1206	32.0	8.1	6.5	81	13.0	375
APR							
05...	1200	--	7.6	6.8	100	16.0	--
05...	1201	1.00	7.6	6.6	106	16.0	150
05...	1202	32.0	7.6	6.7	98	16.0	150
05...	1203	1.00	7.6	6.7	101	16.0	250
05...	1204	42.0	7.5	6.8	98	16.0	250
05...	1205	1.00	7.4	6.8	105	16.0	350
05...	1206	36.0	7.5	6.8	99	16.0	350
19...	1200	--	6.4	6.9	100	19.0	--
19...	1201	1.00	6.7	6.9	100	19.0	150
19...	1202	35.0	6.0	6.9	112	18.5	150
19...	1203	1.00	6.4	6.8	100	19.0	250
19...	1204	41.0	6.0	6.9	113	18.5	250
19...	1205	1.00	6.4	6.8	101	19.0	350
19...	1206	34.0	6.0	6.9	109	18.5	350
MAY							
01...	1200	--	6.6	6.7	107	22.5	--
01...	1201	1.00	6.7	6.6	101	23.0	100
01...	1202	31.0	5.9	6.6	109	22.0	100
01...	1203	1.00	6.6	6.7	99	22.5	200
01...	1204	45.0	5.4	6.6	117	22.0	200
01...	1205	1.00	6.5	6.7	102	23.0	300
01...	1206	28.0	5.4	6.7	115	22.0	300
24...	1200	--	8.2	7.7	205	27.0	--
24...	1201	1.00	8.3	7.8	189	27.5	100
24...	1202	23.0	8.0	7.4	191	26.5	100
24...	1203	1.00	8.2	7.7	193	27.0	250
24...	1204	40.0	4.9	7.4	339	26.0	250
24...	1205	1.00	8.1	7.8	194	27.5	350
24...	1206	24.0	5.8	7.4	270	26.5	350
24...	1207	28.0	5.7	7.4	338	26.0	350
JUN							
05...	1200	--	3.0	6.8	174	26.0	--
05...	1201	1.00	3.5	6.9	172	27.0	200
05...	1202	30.0	2.9	6.8	178	25.5	200
05...	1203	1.00	3.0	6.9	174	26.0	300
05...	1204	48.0	2.6	6.8	184	25.5	300
05...	1205	1.00	2.9	6.8	177	26.0	400
05...	1206	37.0	2.7	6.8	178	25.5	400
19...	1200	--	4.0	7.4	135	29.5	--
19...	1215	1.00	3.7	6.5	96	28.5	250
19...	1216	25.0	5.1	7.1	299	25.5	250
19...	1217	1.00	4.0	6.7	94	29.5	350
19...	1218	49.0	4.4	7.1	307	25.0	350
19...	1219	1.00	3.7	6.6	94	28.5	400
19...	1220	46.0	4.5	7.1	306	25.0	400
JUL							
06...	1200	--	5.4	7.7	220	30.5	--
06...	1201	1.00	6.1	7.2	181	31.5	100
06...	1202	37.0	4.0	7.1	267	29.5	100
06...	1203	1.00	5.4	7.1	184	30.5	175
06...	1204	38.0	4.1	7.1	285	29.5	175
06...	1205	1.00	5.6	7.1	190	30.5	250
06...	1206	26.0	4.2	7.1	266	29.5	250
27...	1200	--	5.6	7.5	210	31.0	--
27...	1201	1.00	5.4	7.0	193	31.0	75.0
27...	1202	17.0	4.9	7.0	212	31.0	75.0
27...	1203	1.00	5.6	6.9	191	31.0	150
27...	1204	29.0	5.1	7.0	225	31.0	150
27...	1205	1.00	5.4	7.0	193	31.0	250
27...	1206	21.0	4.8	6.9	206	31.0	250

07288955 YAZOO RIVER BELOW STEELE BAYOU NEAR LONG LAKE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SAMPLING DEPTH (FEET) (000003)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	SAMPLE					
				WATER WHOLE FIELD (STAND-ARD UNITS) (00400)			LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)					
AUG												
09...	1200	--	5.4	7.3	225	31.0	--					
09...	1201	1.00	5.8	7.2	202	31.0	150					
09...	1202	22.0	5.4	7.2	291	30.5	150					
09...	1203	1.00	5.7	7.2	200	31.0	250					
09...	1204	31.0	5.2	7.3	270	30.5	250					
09...	1205	1.00	5.5	7.2	208	31.0	350					
09...	1206	26.0	5.3	7.2	244	30.5	350					
29...	1200	--	4.9	7.5	135	30.0	--					
29...	1201	1.00	5.0	6.6	128	29.5	75.0					
29...	1202	14.0	4.9	6.7	131	29.5	75.0					
29...	1203	1.00	5.1	6.7	123	30.0	175					
29...	1204	22.0	4.7	6.7	134	29.5	175					
29...	1205	1.00	5.0	6.7	134	29.5	200					
29...	1206	14.0	4.8	6.7	141	29.5	200					
SEP												
07...	1200	--	4.6	7.4	104	27.0	--					
10...	1200	--	5.4	7.4	145	28.0	--					
DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TURBID-ITY LAB HACH 2100AN (NTU) (99872)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)
OCT												
16...	1200	4560	67	--	--	--	--	43	53	--	--	--
30...	1200	6220	94	7.21	2.27	2.15	7.1	30	36	5.0	E.2	6.1
NOV												
20...	1200	10400	200	--	--	--	--	33	40	--	--	--
28...	1200	33900	460	7.99	2.65	3.58	5.0	24	28	4.4	.2	5.8
DEC												
08...	1200	17300	150	--	--	--	--	21	25	--	--	--
20...	1200	25800	380	6.72	2.23	2.90	5.0	17	21	4.2	E.1	5.7
JAN												
10...	1200	9240	240	--	--	--	--	62	74	--	--	--
24...	1200	55200	440	5.24	1.75	2.51	3.2	22	27	2.6	<.2	4.8
FEB												
06...	1300	22000	280	6.33	2.24	2.54	5.0	22	26	4.3	<.2	6.4
22...	1230	38800	310	--	--	--	--	20	24	--	--	--
MAR												
06...	1200	40700	200	5.49	1.83	2.67	2.8	21	25	2.5	E.1	5.3
23...	1200	49000	140	--	--	--	--	27	33	--	--	--
APR												
05...	1200	20400	92	9.13	2.94	2.69	4.9	32	40	4.0	<.2	5.9
19...	1200	23600	280	--	--	--	--	26	32	--	--	--
MAY												
01...	1200	9940	160	9.20	3.02	2.63	5.2	28	35	4.3	E.1	7.1
24...	1200	309	32	--	--	--	--	64	78	--	--	--
JUN												
05...	1200	14500	230	16.3	5.41	3.39	9.3	59	71	6.4	E.1	6.8
19...	1200	4290	100	--	--	--	--	37	43	--	--	--
JUL												
06...	1200	6990	52	21.2	7.00	3.39	11.5	78	94	6.8	E.1	7.4
27...	1200	4450	65	--	--	--	--	78	95	--	--	--
AUG												
09...	1200	8140	72	22.1	7.62	3.10	11.0	88	107	6.9	E.1	8.9
29...	1200	9920	57	--	--	--	--	49	60	--	--	--
SEP												
07...	1200	2640	65	11.9	3.94	5.11	5.1	42	51	5.4	E.1	8.4
10...	1200	18000	--	--	--	--	--	50	60	--	--	--

Remark Codes:
 < -- Less than
 E -- Estimated value

07288955 YAZOO RIVER BELOW STEELE BAYOU NEAR LONG LAKE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N) (00623)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
OCT												
16...	--	--	E.033	.25	.68	.134	E.003	.041	.032	.244	15.7	E.5
30...	9.5	66	.034	.24	.84	.096	E.003	.032	.023	.369	6.8	E.2
NOV												
20...	--	--	.108	.34	.65	.498	.014	.045	.038	.225	3.4	<.1
28...	8.5	71	.122	.47	1.6	1.04	.012	.026	.019	.844	3.5	<.1
DEC												
08...	--	--	.085	.40	.89	.791	.014	.054	.043	--	3.9	.2
20...	7.1	62	.075	.77	1.7	.866	.010	.044	.030	.741	2.2	<.1
JAN												
10...	--	--	.133	.48	1.1	.679	.010	.074	.046	.411	3.3	<.1
24...	4.5	46	.101	.31	1.5	.497	.006	.023	.020	.742	2.3	<.1
FEB												
06...	7.9	71	.085	.38	1.1	.499	.010	.026	.021	.433	6.0	<.1
22...	--	--	.054	.39	.74	.388	E.004	E.043	.039	.416	2.5	<.1
MAR												
06...	4.8	50	.063	.33	.99	.296	.006	E.056	.052	.318	1.5	<.1
23...	--	--	.061	.42	1.0	.262	E.005	.063	.054	.309	3.9	<.1
APR												
05...	6.7	71	.074	.47	.90	.298	.006	E.055	.049	.251	4.2	E.2
19...	--	--	.091	.57	1.3	1.31	.060	.060	.041	.422	2.1	<.1
MAY												
01...	9.0	82	E.022	.41	.89	.865	.009	.062	.042	.291	2.4	<.1
24...	--	--	<.040	.30	.64	.340	.019	E.059	.045	.161	10.6	.7
JUN												
05...	12.7	105	<.040	.35	.90	1.38	E.004	.068	.051	.324	3.5	<.1
19...	--	--	<.040	.36	.88	1.11	E.003	.061	.056	.135	1.5	<.1
JUL												
06...	14.2	141	E.035	.30	.68	.507	.047	.084	.039	.155	8.4	E.4
27...	--	--	.042	.30	.63	.582	.028	.061	<.020	.175	8.9	<.1
AUG												
09...	14.6	153	<.040	.26	.69	.296	.017	.094	.080	.214	8.7	.7
29...	--	--	E.029	.25	.69	E.124	E.007	E.044	E.037	.242	8.9	E.4
SEP												
07...	6.6	86	.056	.45	1.0	.200	.025	.079	.076	.431	4.2	<.1
10...	--	--	<.040	.42	.91	.250	.023	.096	.083	.387	7.6	E.1

Remark Codes:
 < -- Less than
 E -- Estimated value

07288955 YAZOO RIVER BELOW STEELE BAYOU NEAR LONG LAKE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDI- MENT, SUS- PENDE (MG/L) (80154)
OCT				
16...	--	--	100	132
30...	M	46.3	100	337
NOV				
20...	--	--	98	321
28...	30	42.4	94	901
DEC				
08...	--	--	92	291
20...	70	26.5	89	760
JAN				
10...	--	--	99	263
24...	130	68.1	89	822
FEB				
06...	30	12.1	99	372
22...	--	--	100	278
MAR				
06...	70	6.3	100	171
23...	--	--	98	162
APR				
05...	100	25.9	99	68
19...	--	--	--	309
MAY				
01...	70	9.8	--	133
24...	--	--	--	59
JUN				
05...	<10	6.9	--	208
19...	--	--	--	82
JUL				
06...	<10	19.6	--	74
27...	--	--	--	83
AUG				
09...	<10	8.8	--	113
29...	--	--	--	248
SEP				
07...	40	46.0	--	401
10...	--	--	--	407

PESTICIDE ANALYSES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	BEN- FLUR- ALIN WAT FLD GF, REC (UG/L) (82673)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	CAR- BARYL WATER FLTRD GF, REC (UG/L) (82680)	CARBO- FURAN WATER FLTRD GF, REC (UG/L) (82674)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)
OCT												
30...	1200	<.002	<.004	<.007	<.005	.378	<.010	<.002	<.041	<.050	<.005	E.016
NOV												
28...	1200	<.002	<.004	<.002	<.005	.115	<.010	<.002	<.041	<.020	<.005	.048
DEC												
20...	1200	<.002	<.004	<.002	<.005	.047	<.010	<.002	<.041	<.020	<.005	.030
JAN												
24...	1200	<.002	<.004	<.002	<.005	.025	<.010	<.002	<.041	<.020	<.005	.022
FEB												
06...	1300	<.002	<.004	<.002	<.005	.028	<.010	<.002	<.041	<.175	<.005	E.021
MAR												
06...	1200	<.002	<.004	<.007	<.005	.093	<.010	<.002	<.041	<.020	<.005	.021
APR												
05...	1200	<.002	<.004	<.002	<.005	.169	<.010	<.002	<.041	<.020	<.005	.025
MAY												
01...	1200	<.002	<.007	.047	<.005	6.33	<.010	<.002	<.041	<.050	<.005	.027
JUN												
05...	1200	<.002	.007	<.002	<.005	1.79	<.010	<.002	<.041	<.020	<.005	.103
JUL												
06...	1200	<.002	<.004	<.002	<.005	.420	<.010	<.002	<.041	<.020	<.005	.127
AUG												
09...	1200	<.002	<.004	<.002	<.005	.239	<.010	<.002	<.041	<.020	<.010	.308
SEP												
07...	1200	<.002	<.004	<.002	<.005	.091	<.010	<.002	<.041	<.020	<.005	.082

Remark Codes:
 < -- Less than
 E -- Estimated value

Null Value Remark Codes:
 M -- Presence verified, not quantified

07288955 YAZOO RIVER BELOW STEELE BAYOU NEAR LONG LAKE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS- SOLVED (UG/L) (39341)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA- THION, DIS- SOLVED (UG/L) (39532)
OCT												
30...	<.003	E.048	<.005	<.005	<.021	<.007	<.009	<.005	<.003	<.004	<.035	<.027
NOV												
28...	<.003	E.013	E.004	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	E.022
DEC												
20...	<.003	E.009	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
JAN												
24...	<.003	<.006	.010	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	E.020
FEB												
06...	<.003	E.004	<.005	<.005	<.021	<.015	<.009	<.005	<.003	<.004	<.035	<.027
MAR												
06...	<.003	E.005	E.003	<.005	<.021	<.050	<.009	<.005	<.003	<.004	<.035	E.009
APR												
05...	<.003	E.005	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	<.035	<.027
MAY												
01...	<.003	E.120	.010	<.005	<.021	<.010	<.009	<.005	<.003	<.004	<.035	<.027
JUN												
05...	<.003	E.150	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	E.054	.032
JUL												
06...	<.003	E.016	.015	<.005	<.021	<.002	<.009	<.005	<.003	<.004	.496	E.007
AUG												
09...	<.003	E.016	E.003	<.005	<.021	<.002	<.009	<.005	<.003	<.004	.161	E.020
SEP												
07...	<.003	E.010	<.005	<.005	<.021	<.002	<.009	<.005	<.003	<.004	.058	.091
DATE	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- SENCOR WATER DISSOLV (UG/L) (82630)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P, P' DDE DISSOLV (UG/L) (34653)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)
OCT												
30...	<.050	<.006	.050	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011
NOV												
28...	<.050	<.006	.099	<.006	.010	<.007	E.002	<.007	<.002	<.010	<.006	<.011
DEC												
20...	<.050	<.006	.054	<.006	<.010	<.007	E.003	<.007	<.004	<.010	<.006	<.011
JAN												
24...	<.050	<.006	.039	<.006	.017	<.007	E.003	<.007	--	<.010	<.006	<.011
FEB												
06...	<.050	<.006	.026	<.006	<.005	<.007	<.003	<.007	<.002	<.010	<.006	<.011
MAR												
06...	<.050	<.006	.035	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011
APR												
05...	<.050	<.006	.057	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011
MAY												
01...	<.050	<.006	.939	.092	<.002	<.007	<.003	<.007	<.002	.041	<.006	<.011
JUN												
05...	<.050	<.006	1.69	.110	.724	<.007	<.003	<.007	<.002	.051	<.006	<.011
JUL												
06...	<.050	<.006	.232	<.006	2.04	<.007	<.003	<.007	<.002	<.010	<.006	<.011
AUG												
09...	<.050	<.050	.117	<.006	.338	<.007	<.003	<.007	<.002	<.010	<.006	<.011
SEP												
07...	<.050	<.006	.087	<.006	.011	<.007	<.003	<.007	<.002	<.010	<.006	<.011

Remark Codes:

< -- Less than

E -- Estimated value

07288955 YAZOO RIVER BELOW STEELE BAYOU NEAR LONG LAKE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	PRO- METON, WATER, DISS, REC (UG/L) (04037)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
OCT												
30...	E.002	<.004	<.010	<.011	<.023	.025	E.013	<.034	<.017	<.005	<.002	<.009
NOV												
28...	E.006	<.004	<.010	<.011	<.023	.090	<.016	<.034	<.017	<.005	<.002	E.003
DEC												
20...	E.010	<.004	<.010	<.011	<.023	.135	<.016	<.034	<.017	<.005	<.002	E.001
JAN												
24...	E.008	<.004	<.010	<.011	<.023	.034	<.016	<.034	<.017	<.005	<.002	E.001
FEB												
06...	E.003	<.004	<.010	<.011	<.023	.035	<.016	<.034	<.017	<.005	<.002	<.009
MAR												
06...	E.004	<.004	<.010	<.011	<.023	.070	<.016	<.034	<.017	<.005	<.002	<.009
APR												
05...	E.009	<.004	<.010	<.011	<.023	.070	<.016	<.034	<.017	<.005	<.002	<.009
MAY												
01...	E.005	<.004	<.010	<.011	<.090	.130	<.016	<.034	<.017	<.005	<.002	E.003
JUN												
05...	E.008	<.004	<.010	<.011	<.023	.032	<.016	<.034	<.017	.036	<.002	E.007
JUL												
06...	<.020	<.004	<.010	<.011	<.023	.036	<.016	<.034	<.017	<.005	<.002	<.009
AUG												
09...	<.015	<.004	<.010	<.011	<.023	.018	<.016	<.034	<.017	<.005	<.002	<.009
SEP												
07...	<.015	<.004	<.010	<.011	<.023	.015	<.016	<.034	<.017	<.005	<.002	<.009

Remark Codes:
 < -- Less than
 E -- Estimated value

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS

LOCATION.--Lat 32°18'54", long 90°54'21", 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.

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 current year in reports of Geological Survey. Since December 1871, referred to canal gages (above 30.0 ft or 9.14 m only, since December 1949), September 1934 to December 1964, referred to bridge gage, in reports of Mississippi River Commission. January 1937 to December 1967, referred to bridge gage, January 1968 to December 1976, referred to gage 1.1 mi upstream and January 1977 to September 1986 referred to gage at mile 435.3 (corrected), in reports of U. S. Army Corps of Engineers. Since May 1873, in reports of National Weather Service.

Extremes of stage, intermittently 1828 to 1871, and since 1871, extremes of discharge for various years 1858 to 1926 and since 1926, annual mean discharges since 1871, and records of daily discharge 1928 to 1964 are available in reports of Mississippi River Commission. Since January 1947 daily discharge in reports of U. S. Army Corps of Engineers. Prior to October 1968, published as Mississippi River near Vicksburg.

REVISED RECORDS.--WRD Miss. 1975: Drainage area.

GAGE.--Water-stage recorder operated by the U. S. Army Corps of Engineers. Datum of gage is 46.22 ft above sea level (U. S. Army Corps of Engineers bench mark) or 46.16 ft above mean gulf level. The U.S. Geological Survey operated a water-stage recorder over the cavity in the fourth pier from left bank at combined highway and railway bridge of Vicksburg Bridge Commission of Warren County, at southern city limits of Vicksburg, 1.5 mi downstream from Yazoo diversion canal, and at mile 435.7 (corrected), operated until January, 1977. Gages used by Mississippi River Commission: Dec. 10, 1871 to Sept. 30, 1929, nonrecording gage at mouth of Yazoo diversion canal, 1.5 mi upstream from bridge gage, since Sept. 30, 1929, nonrecording gage at mouth of Yazoo diversion canal, 1.5 mi upstream from bridge gage, since October 1929, nonrecording gage on Yazoo diversion canal, 1,600 ft upstream from mouth. Gages used by National Weather Service, May 18, 1873 to Oct. 29, 1919, nonrecording gage 0.5 mi upstream from bridge gage, Oct. 30, 1919 to Nov. 30, 1922, nonrecording gage at mouth of Yazoo Canal, Dec. 1, 1922 to Aug. 31, 1934, nonrecording gage on Yazoo diversion canal, Sept. 1, 1934 to Dec. 31, 1962, nonrecording gage at bridge, Jan. 1, 1963 to Dec. 31, 1967, water-stage recorder on left bank near downstream side of bridge, Jan. 1, 1968 to Dec. 31, 1976, on left bank at site 1.1 mi upstream, and since Jan. 1, 1977, on left bank at downstream side of Interstate 20 bridge. All gages at same datum, but readings differ due to slope of water surface between them.

REMARKS.--Natural flow of stream affected by many reservoirs and navigation dams. U. S. Army Corps of Engineers telemeter at station.

COOPERATION.--Records furnished by U. S. Army Corps of Engineers.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1871, 58.4 ft U. S. Army Corps of Engineers gage on Yazoo diversion canal, approximately 56.0 ft, May 4, 1927 (U. S. Geological Survey gage).

Note.--Records for 2000 and 2001 Water Years will be published in a subsequent report.

BIG BLACK RIVER BASIN

07289350 BIG BLACK RIVER AT WEST, MS

LOCATION.--Lat 33°11'39", long 89°46'15", in NW1/4 NE1/4 sec.3, T.15 N., R.5 E., Choctaw Meridian, Attala County, Hydrologic Unit 08060201, near right bank on downstream side of bridge on State Highway 19, 0.2 mi east of West, 5.2 mi upstream from Jordan Creek, and 7.1 mi downstream from Zilpha Creek.

DRAINAGE AREA.--1,027 mi².

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.

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

GAGE.--Water-stage recorder. Datum of gage is 249.74 ft above sea level (levels by U. S. Army Corps of Engineers). Prior to June 10, 1948, nonrecording gage, and June 10, 1948, to Nov. 2, 1967, recorder at site about 2,000 ft downstream at same datum.

REMARKS.--Estimated daily discharges: Apr. 25. Records good except for estimated daily discharges, which are poor. Telemeter and satellite telemeter at station.

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)
Jan. 20	1130	*38,100	*23.32	Mar. 3	2200	11,500	19.98
Feb. 17	1200	17,300	20.65	Mar. 15	2400	14,900	20.23

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	20	695	2710	1940	4080	668	303	1140	303	180	509
2	24	20	405	1830	2040	4490	707	278	1140	223	351	1430
3	23	21	300	761	1970	9580	737	259	1230	213	298	2270
4	22	22	245	505	1370	10300	1380	243	1610	226	190	2510
5	21	24	213	425	934	8870	3930	230	2560	371	137	2300
6	69	30	194	387	760	8480	3490	218	2980	229	111	2100
7	97	31	178	390	671	6370	2860	210	2800	158	102	2150
8	56	75	165	956	617	4350	2410	203	2640	132	98	1290
9	48	1540	158	1300	589	3280	2240	201	2840	126	102	747
10	50	2230	152	1550	734	2170	1580	236	2950	107	111	534
11	43	1700	146	1820	856	1160	890	241	2920	94	164	391
12	37	1170	141	2010	1690	1690	657	252	2890	125	187	283
13	33	583	155	1740	4180	5030	589	248	2580	545	182	216
14	30	291	1000	1450	8210	6640	676	224	1520	595	269	179
15	28	184	1070	1400	12600	11200	1040	200	562	322	484	155
16	27	142	1310	1240	14000	13500	1050	182	331	210	435	137
17	26	148	1880	1200	16000	10300	904	169	243	159	269	122
18	25	155	1760	2640	11400	9260	752	160	196	129	187	111
19	25	166	1550	20100	9440	7270	588	170	165	110	186	105
20	24	208	1670	37700	8800	4710	481	220	144	104	172	98
21	25	193	1610	35300	6270	3260	427	199	131	101	318	93
22	25	179	984	25200	4120	2200	391	507	159	107	182	88
23	24	153	582	16000	2890	1680	367	624	163	103	133	85
24	22	1350	426	9950	1650	1600	419	711	115	91	114	81
25	22	3530	338	6030	967	1350	e450	538	104	99	101	76
26	21	5320	292	3790	917	1010	615	362	99	99	92	75
27	21	4270	1890	2480	1250	795	547	285	92	91	85	72
28	21	4120	3610	1190	2890	673	439	260	89	84	137	69
29	21	3500	4090	1070	---	602	370	243	265	83	281	67
30	20	2090	3180	1980	---	609	329	216	325	81	322	65
31	20	---	2860	2030	---	658	---	703	---	86	259	---
TOTAL	975	33465	33249	187134	119755	147167	31983	9095	34983	5506	6239	18408
MEAN	31.5	1116	1073	6037	4277	4747	1066	293	1166	178	201	614
MAX	97	5320	4090	37700	16000	13500	3930	711	2980	595	484	2510
MIN	20	20	141	387	589	602	329	160	89	81	85	65
CFSM	.03	1.09	1.04	5.88	4.16	4.62	1.04	.29	1.14	.17	.20	.60
IN.	.04	1.21	1.20	6.78	4.34	5.33	1.16	.33	1.27	.20	.23	.67

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2001, BY WATER YEAR (WY)

	MEAN	327	819	2142	3254	2772	3299	2885	1749	869	414	217	241
MAX	2890	5739	11820	7339	6199	8406	8664	9714	5186	3284	1005	2054	
(WY)	1985	1980	1983	1974	1983	1980	1991	1983	1989	1989	1975	1979	
MIN	16.3	61.3	167	185	372	1049	190	89.9	33.6	53.0	22.5	31.1	
(WY)	1988	1982	2000	1986	2000	1985	1986	1988	1988	2000	2000	1987	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1971 - 2001

ANNUAL TOTAL	347728	627959	
ANNUAL MEAN	950	1720	1578
HIGHEST ANNUAL MEAN			3821
LOWEST ANNUAL MEAN			423
HIGHEST DAILY MEAN	51900	37700	62400
LOWEST DAILY MEAN	13	20	13
ANNUAL SEVEN-DAY MINIMUM	14	20	14
MAXIMUM PEAK FLOW		38100	71200
MAXIMUM PEAK STAGE		23.32	26.08
INSTANTANEOUS LOW FLOW		20	12
ANNUAL RUNOFF (CFSM)	.93	1.68	1.54
ANNUAL RUNOFF (INCHES)	12.60	22.75	20.88
10 PERCENT EXCEEDS	1760	4080	3940
50 PERCENT EXCEEDS	152	371	381
90 PERCENT EXCEEDS	21	61	66

e Estimated

a Also occurred on Oct. 30, Oct. 31 - Nov. 2 and Nov. 3.

07289730 BIG BLACK RIVER NEAR BENTONIA, MS

LOCATION.--Lat 32°36'10", long 90°21'49", NW1/4 NW1/4 NW1/4 sec. 25, T.9 N., R.2 W., Choctaw Meridian, Madison County, Hydrologic Unit 08060202, on downstream side of U.S. Highway 49 bridge, 2.5 mi south of Benton, and at mile 106.

DRAINAGE AREA.--2,340 mi².

PERIOD OF RECORD.--October 1995 to current year. Stage, 1947 to date in reports of U.S. Army Corps of Engineers. Measured discharge, June 1946 to date.

GAGE.--Water-stage recorder. Datum of gage is 130.18 ft above sea level.

REMARKS.--No estimated daily discharge. Records good. U.S. Army Corps of Engineers satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 1983 reached a stage of 32.48 ft, discharge 86,000 ft³/s. Peak stage of 34.70 ft on May 23, 1930, 3.1 mi upstream at Ragan Station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	127	92	4120	6420	9650	9460	2510	1000	463	601	293	364
2	118	92	3410	5830	6390	11400	2180	894	719	668	291	1280
3	109	92	2000	4460	3990	15600	1880	802	1390	1150	339	4920
4	104	91	1230	3280	3410	18800	1700	740	1820	860	401	6400
5	101	91	930	2160	3190	18900	1850	684	1830	617	428	7920
6	170	94	766	1470	2680	17800	5070	631	2120	702	457	7170
7	234	95	664	1270	2040	15700	6780	587	3620	691	405	5620
8	302	215	592	1660	1620	13500	9290	555	4040	679	337	4140
9	257	2590	540	2780	1390	12200	17600	525	3930	550	316	4630
10	334	4530	499	2790	1280	11600	16600	504	4170	439	309	4270
11	267	5850	466	2580	1250	11200	11900	495	4450	374	309	3640
12	207	5120	438	2880	1520	11400	9410	482	4180	347	423	2650
13	171	3120	619	3460	2960	12100	5100	473	3740	364	550	1490
14	150	1960	1340	3420	5390	11800	2950	468	3510	334	547	923
15	138	1330	1710	3000	6190	13900	5540	452	3380	560	445	716
16	130	917	2420	2700	7190	16000	6060	442	2810	1040	432	591
17	123	734	3250	2690	8940	16500	6800	428	1740	859	390	502
18	119	661	3890	3040	9120	15900	6330	407	1080	618	484	441
19	114	669	3790	8390	9300	14500	3970	384	791	475	534	401
20	110	688	3060	10600	9830	12600	2450	383	643	393	463	374
21	107	633	2560	11100	11200	11700	1890	361	558	337	381	368
22	105	601	2470	12500	13800	11300	1550	463	484	302	329	345
23	103	513	2400	18900	14700	10900	1350	491	433	330	315	329
24	102	680	1940	29400	13300	10300	1510	452	416	351	359	306
25	101	2180	1380	30900	11900	9510	1540	530	401	302	375	284
26	100	4800	1050	27000	10900	7380	2100	710	404	291	306	266
27	99	5320	1100	21800	9620	4730	1780	788	417	260	267	255
28	98	4890	2720	18000	8920	3350	1400	705	383	473	271	254
29	96	4500	5920	15600	---	2610	1250	581	624	719	251	246
30	94	4320	6510	13600	---	2220	1120	496	758	462	246	234
31	93	---	6540	11700	---	2280	---	506	---	301	271	---
TOTAL	4483	57468	70324	285380	191670	357140	141460	17419	55304	16449	11524	61329
MEAN	145	1916	2269	9206	6845	11520	4715	562	1843	531	372	2044
MAX	334	5850	6540	30900	14700	18900	17600	1000	4450	1150	550	7920
MIN	93	91	438	1270	1250	2220	1120	361	383	260	246	234
CFSM	.06	.82	.97	3.93	2.93	4.92	2.02	.24	.79	.23	.16	.87
IN.	.07	.91	1.12	4.54	3.05	5.68	2.25	.28	.88	.26	.18	.97

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2001, BY WATER YEAR (WY)

	MEAN	333	816	2948	6693	6341	6929	5249	2130	2416	753	469	571
MAX	661	1916	4993	10560	10210	11520	13970	5577	8282	1357	903	2044	
(WY)	1998	2001	1999	1999	1997	2001	2000	1997	1997	1997	1997	2001	
MIN	145	338	401	616	595	2414	1224	562	405	166	121	113	
(WY)	2001	2000	2000	2000	2000	2000	1998	2001	2000	2000	2000	2000	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1996 - 2001

ANNUAL TOTAL	709039		1269950		2954	
ANNUAL MEAN	1937		3479		3963	1997
HIGHEST ANNUAL MEAN					1664	2000
LOWEST ANNUAL MEAN					47700	Apr 7 2000
HIGHEST DAILY MEAN	47700	Apr 7	30900	Jan 25		
LOWEST DAILY MEAN	80	Sep 6	91	Nov 4		
ANNUAL SEVEN-DAY MINIMUM	83	Sep 3	92	Oct 30		
MAXIMUM PEAK FLOW			31600	Jan 24	86000	May 23 1983
MAXIMUM PEAK STAGE			28.10	Jan 24	34.70	May 23 1930
INSTANTANEOUS LOW FLOW			90	Nov 2	79	Sep 6 2000
ANNUAL RUNOFF (CFSM)	.83		1.49		1.26	
ANNUAL RUNOFF (INCHES)	11.27		20.19		17.15	
10 PERCENT EXCEEDS	3880		11300		9690	
50 PERCENT EXCEEDS	449		1080		797	
90 PERCENT EXCEEDS	101		241		199	

BIG BLACK RIVER BASIN

07290000 BIG BLACK RIVER NEAR BOVINA, MS

LOCATION.--Lat 32°20'51", long 90°41'48", in SW1/4 NW1/4 SE1/4 sec.22, T.16 N., R.5 E., Washington Meridian, Hinds County, Hydrologic Unit 08060202, on left bank at downstream side of bridge on U.S. Highway 80 (old), 300 ft upstream from Clear Creek, 0.4 mi upstream from Illinois Central and Gulf Railroad bridge, 2.3 mi east of Bovina, 10.8 mi upstream from Fourteenmile Creek, and at mile 61.7. Records include flow of Clear Creek.

DRAINAGE AREA.--2,812 mi² (includes that of Clear Creek).

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). WDR MS-89-1: Drainage area.

GAGE.--Water-stage recorder and supplemental nonrecording gage read twice daily. Datum of gage is 84.93 ft above sea level (levels by U. S. Army Corps of Engineers). Prior to Oct. 23, 1941, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: Sept. 15-28. Records good except for estimated daily discharges, which are poor.
U.S. Army Corps of Engineers satellite telemeter at station.

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)
Jan. 28	1400	*31,100	*36.64	Mar. 19	1900	18,100	33.69
Mar. 7	0500	24,100	36.11	Apr. 13	1600	15,600	29.78

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	149	126	4010	6820	19900	14600	2420	1130	556	999	466	332
2	142	187	3780	6540	17400	17200	2450	1040	534	723	348	730
3	133	239	3000	5790	14200	19300	2190	950	647	709	318	7940
4	125	151	1890	4330	8220	19100	1960	829	1310	1150	337	10000
5	119	149	1270	3020	4200	20600	1830	749	2050	1030	411	9210
6	152	186	962	2070	3060	23200	2190	712	2010	739	486	9130
7	186	188	784	1580	2530	23900	4840	669	2120	741	482	8050
8	224	175	680	1440	2060	22700	6750	615	3120	768	463	7120
9	287	1550	609	1810	1780	20500	8810	591	3780	746	415	8550
10	282	3510	560	2580	1640	18200	10700	566	3790	648	357	5810
11	313	4920	522	2630	1510	16300	12500	551	3910	550	361	4310
12	323	5690	485	2620	1510	15200	14500	535	4000	557	383	3340
13	262	4750	642	2950	1810	14600	15500	623	3660	678	591	2390
14	220	2880	1390	3360	3210	14100	13900	527	3260	473	871	1550
15	192	1880	1630	3240	5080	16000	8380	505	3060	395	753	e1070
16	174	1390	1890	2870	6640	16200	7450	490	2900	551	558	e874
17	164	1020	2630	2730	10100	16200	7030	475	2350	990	641	e719
18	156	803	3180	2890	10300	17100	7040	455	1630	924	445	e613
19	150	784	3680	9230	10200	18000	6170	437	1150	714	470	e550
20	144	769	3480	12900	10100	17800	3840	427	922	581	547	e533
21	141	772	2810	12800	9950	17000	2430	429	787	490	516	e466
22	137	725	2390	12400	10200	15900	1920	851	679	416	430	e420
23	135	661	2300	12300	10700	14800	1600	689	585	367	364	e378
24	132	1090	2210	12400	11500	13800	2780	591	530	345	336	e365
25	130	1260	1850	13400	12100	13100	2170	541	496	401	345	e354
26	130	2380	1440	17700	12600	12400	1820	522	477	1430	383	e320
27	129	4390	1390	26400	12800	10800	1990	679	471	3070	347	e302
28	129	4950	2470	30700	13700	6200	1720	817	930	584	316	e292
29	129	4610	5190	29500	---	3420	1400	791	600	428	306	287
30	128	4230	6650	26500	---	2670	1270	670	754	717	311	282
31	127	---	7040	23100	---	2340	---	567	---	622	376	---
TOTAL	5344	56415	72814	298600	229000	473230	159550	20023	53068	23536	13733	86287
MEAN	172	1880	2349	9632	8179	15270	5318	646	1769	759	443	2876
MAX	323	5690	7040	30700	19900	23900	15500	1130	4000	3070	871	10000
MIN	119	126	485	1440	1510	2340	1270	427	471	345	306	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936 - 2001, BY WATER YEAR (WY)

MEAN	701	1494	4082	6761	7673	8075	7323	4657	1796	1386	848	572
MAX	6547	11050	27400	24360	20700	19780	25100	23860	9311	13730	4059	3800
(WY)	1976	1958	1983	1974	1983	1973	1983	1983	1997	1940	1975	1979
MIN	78.8	103	213	216	672	1040	559	398	210	172	121	106
(WY)	1955	1940	1955	1956	2000	1936	1963	1963	1988	1952	1943	1952

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1936 - 2001
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ANNUAL TOTAL	834246			1491600				
ANNUAL MEAN	2279			4087			3784	
HIGHEST ANNUAL MEAN							10950	1983
LOWEST ANNUAL MEAN							792	1963
HIGHEST DAILY MEAN	41100	Apr	9	30700	Jan	28	90600	May 24 1983
LOWEST DAILY MEAN	100	Sep	6	119	Oct	5	67	Oct 1 1954
ANNUAL SEVEN-DAY MINIMUM	101	Sep	6	128	Oct	26	67	Sep 30 1954
MAXIMUM PEAK FLOW				31100	Jan	28	92300	May 24 1983
MAXIMUM PEAK STAGE				36.64	Jan	28	40.77	May 21 1983
INSTANTANEOUS LOW FLOW				116	Oct	5,6	65	Oct 2 1954
ANNUAL RUNOFF (CFSM)	.81			1.45			1.35	
ANNUAL RUNOFF (INCHES)	11.04			19.73			18.28	
10 PERCENT EXCEEDS	4630			13700			10700	
50 PERCENT EXCEEDS	524			1310			1100	
90 PERCENT EXCEEDS	129			282			197	

e Estimated

07290650 BAYOU PIERRE NEAR WILLOWS, MS

LOCATION---Lat 32°01'04", long 90°52'37", in NE1/4 sec. 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--654 mi².

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

PERIOD OF RECORD.--Water years 1959-61 (annual maximums), June 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 82.32 ft above sea level. Sept. 9, 1958, to May 31, 1961, crest-stage gage at same site and datum.

REMARKS.--Estimated daily discharges: Jan. 20-26. Records good except for estimated daily discharges, which are poor.. Satellite telemeter at station.

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)
Jan. 19	1845	25,500	21.68	Jul. 27	0515	26,500	23.35
Mar. 3	0030	*41,200	*24.90				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	24	108	364	702	12000	594	108	159	70	1720	445
2	34	24	131	276	500	31700	490	104	111	134	1730	2030
3	33	24	111	225	409	36500	438	100	82	120	817	3130
4	31	26	90	190	356	11400	408	96	75	497	416	3890
5	31	31	80	175	326	3750	383	92	240	320	321	2490
6	63	48	74	161	298	1880	356	89	252	122	277	893
7	140	56	70	165	278	1370	328	85	430	101	255	492
8	101	1070	67	1680	264	1180	304	83	749	89	265	564
9	71	6390	65	712	258	1120	287	85	627	78	219	530
10	61	1680	62	363	272	1150	272	92	563	70	199	756
11	49	520	61	740	309	1030	255	85	340	64	295	747
12	43	246	60	1210	292	1190	237	84	216	122	895	368
13	38	165	130	543	318	2830	226	89	162	208	1440	259
14	36	124	592	366	383	1520	225	86	135	233	2120	209
15	34	99	374	411	317	9000	242	94	122	139	1110	180
16	33	95	288	651	2150	3370	308	85	116	106	453	161
17	32	109	202	5220	4340	1570	272	76	90	85	294	145
18	32	117	130	2190	1270	1110	218	71	80	73	234	147
19	32	567	110	16100	646	915	187	68	73	66	201	148
20	30	829	94	e9270	474	792	170	66	78	62	213	133
21	30	399	95	e2020	383	705	162	162	150	59	242	119
22	30	231	111	e1060	331	637	156	448	162	57	188	111
23	29	189	125	e782	288	577	150	361	114	55	145	104
24	28	427	132	e674	263	543	178	168	88	70	125	99
25	27	606	103	e577	270	632	213	117	74	67	110	104
26	26	378	89	e487	383	629	202	123	67	8880	100	111
27	26	233	134	425	409	539	166	102	66	16200	93	91
28	25	157	6000	378	1120	545	138	97	78	2980	561	85
29	25	126	3440	728	---	966	125	82	67	1240	275	81
30	24	115	1050	3380	---	1110	116	73	62	748	203	78
31	24	---	534	1380	---	791	---	92	---	728	176	---
TOTAL	1253	15105	14712	52903	17609	133051	7806	3563	5628	33843	15692	18700
MEAN	40.4	504	475	1707	629	4292	260	115	188	1092	506	623
MAX	140	6390	6000	16100	4340	36500	594	448	749	16200	2120	3890
MIN	24	24	60	161	258	539	116	66	62	55	93	78
CFSM	.06	.77	.73	2.61	.96	6.56	.40	.18	.29	1.67	.77	.95
IN.	.07	.86	.84	3.01	1.00	7.57	.44	.20	.32	1.93	.89	1.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2001, BY WATER YEAR (WY)

	MEAN	249	488	1144	1626	1590	1808	1740	976	422	305	249	156
MAX	1885	2241	5324	6064	4833	5992	6776	3960	1524	1637	1755	623	
(WY)	1965	1987	1983	1990	1979	1980	1983	1978	1975	1989	1992	2001	
MIN	26.4	53.1	139	86.9	73.8	239	133	60.1	58.0	52.4	37.9	48.0	
(WY)	1964	1970	2000	2000	2000	1967	1963	1963	1988	2000	1969	2000	

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1961 - 2001

	ANNUAL TOTAL	93287	319865	891
ANNUAL MEAN	255	876	2099	1983
HIGHEST ANNUAL MEAN			191	2000
LOWEST ANNUAL MEAN			72900	Apr 7 1983
HIGHEST DAILY MEAN	18300	Apr 3	36500	Mar 3
LOWEST DAILY MEAN	17	Sep 5	24	Oct 30
ANNUAL SEVEN-DAY MINIMUM	18	Sep 2	24	Oct 28
MAXIMUM PEAK FLOW			41200	Mar 3
MAXIMUM PEAK STAGE			24.90	Mar 3
ANNUAL RUNOFF (CFSM)	.39		1.34	
ANNUAL RUNOFF (INCHES)	5.31		18.19	
10 PERCENT EXCEEDS	319		1370	1740
50 PERCENT EXCEEDS	76		202	198
90 PERCENT EXCEEDS	29		60	57

e Estimated

HOMOCHITTO RIVER BASIN

07291000 HOMOCHITTO RIVER AT EDDICETON, MS

LOCATION.--Lat 31°30'11", long 90°46'39", in SE1/4 NE1/4 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, 0.6 mi upstream from McCall Creek, and 0.8 mi east of Eddiceton.

DRAINAGE AREA.--181 mi².

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

REVISED RECORDS.--WSP 1281: 1939-40, 1942-44, 1949-50. WDR MS-89-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 212.22 ft above sea level. Prior to May 18, 1984, at datum 5.0 ft higher. Prior to May 26, 1942, nonrecording gage at site 900 ft upstream.

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

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)
Jan. 19	1100	10,200	13.78	Sep. 3	1200	14,700	15.40
Mar. 2	0630	*35,700	*20.88				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	37	60	83	180	3130	144	61	46	61	957	428
2	35	38	58	73	154	27800	125	60	44	205	190	859
3	35	38	54	68	139	5690	117	58	43	155	113	5510
4	34	41	53	66	128	2060	114	57	52	89	94	1440
5	34	54	52	67	121	1080	107	56	96	91	84	743
6	70	54	52	66	116	775	99	54	317	68	82	333
7	67	51	53	79	114	607	93	53	807	59	75	239
8	44	60	52	110	112	509	89	53	525	56	73	189
9	38	1260	52	85	119	625	86	56	353	54	70	870
10	37	173	52	73	164	570	83	56	157	53	68	607
11	36	98	52	116	128	415	81	54	112	51	108	214
12	36	80	51	150	115	1200	79	52	86	151	1430	146
13	35	74	55	99	401	952	77	53	78	387	526	121
14	35	68	158	90	211	530	75	50	79	115	155	104
15	34	63	79	88	161	2930	109	48	63	70	94	94
16	35	72	65	296	531	746	249	47	56	57	71	87
17	36	77	57	947	693	473	99	46	51	52	61	82
18	36	78	54	279	191	373	79	46	49	50	58	78
19	36	239	55	5210	127	290	75	45	47	49	179	74
20	36	162	52	1120	111	247	73	46	66	47	136	71
21	36	86	65	412	102	215	72	46	66	46	70	68
22	36	70	80	282	96	188	70	87	66	54	56	66
23	36	66	66	232	89	173	68	64	52	53	51	64
24	36	276	60	206	89	166	349	50	46	46	48	64
25	36	263	57	185	128	188	161	68	44	44	46	63
26	37	106	55	172	129	164	94	56	42	2920	46	61
27	37	79	69	165	418	146	78	48	41	1750	250	59
28	37	66	723	157	624	373	72	46	44	374	216	59
29	37	63	297	392	---	359	68	45	43	241	78	57
30	37	63	138	650	---	232	64	44	40	185	60	57
31	37	---	98	250	---	179	---	45	---	224	56	---
TOTAL	1186	3955	2924	12268	5691	53385	3149	1650	3611	7857	5601	12907
MEAN	38.3	132	94.3	396	203	1722	105	53.2	120	253	181	430
MAX	70	1260	723	5210	693	27800	349	87	807	2920	1430	5510
MIN	34	37	51	66	89	146	64	44	40	44	46	57
CFSM	.21	.73	.52	2.19	1.12	9.51	.58	.29	.67	1.40	1.00	2.38
IN.	.24	.81	.60	2.52	1.17	10.97	.65	.34	.74	1.61	1.15	2.65

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2001, BY WATER YEAR (WY)

	MEAN	92.1	149	312	432	489	541	465	276	136	139	98.1	80.1
MAX	765	742	1428	1398	1169	1722	1981	1818	534	1036	557	430	
(WY)	1965	1958	1983	1990	1979	2001	1974	1953	1975	1989	1992	2001	
MIN	31.4	37.5	61.8	47.2	46.7	72.3	64.4	47.1	42.3	35.0	34.2	33.3	
(WY)	1953	1939	2000	2000	2000	2000	1963	2000	1972	2000	2000	1956	

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1939 - 2001

ANNUAL TOTAL	23764	114184	
ANNUAL MEAN	64.9	313	266
HIGHEST ANNUAL MEAN			587
LOWEST ANNUAL MEAN			55.5
HIGHEST DAILY MEAN	1380	Apr 3	27800
LOWEST DAILY MEAN	24	Aug 18	34
ANNUAL SEVEN-DAY MINIMUM	25	Aug 16	35
MAXIMUM PEAK FLOW			35700
MAXIMUM PEAK STAGE			20.88
ANNUAL RUNOFF (CFSM)	.36		1.73
ANNUAL RUNOFF (INCHES)	4.88		23.47
10 PERCENT EXCEEDS	85		515
50 PERCENT EXCEEDS	46		77
90 PERCENT EXCEEDS	33		43

07292500 HOMOCHITTO RIVER AT ROSETTA, MS

LOCATION.--Lat 31°19'29", long 91°06'34", in NW1/4 sec. 13, T.4 N., R.1 E., Washington Meridian, Franklin County, Hydrologic Unit 08060205, near right bank, near downstream side of pier cap, under bridge, on State Highway 33 at Rosetta, 0.8 mi downstream from Foster Creek, and 4.0 mi upstream from Dry Creek.

DRAINAGE AREA.--787 mi².

PERIOD OF RECORD.--October 1951 to current year, June to November 1906 (gage heights and discharge measurements only), February 1949 to September 1951 (gage heights and discharge measurements only) in reports of U. S. Army Corps of Engineers, Vicksburg district.

REVISED RECORDS.--WSP 1731: 1955(M). WSP 1920: 1955. WDR MS-86-1: 1985 (P). WDR MS-89-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 94.39 ft above sea level. 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: Apr. 14, 19-21, May 5, 9, 27 and Jul. 4-5. Records good except for estimated daily discharges, which are poor. Telemeter and satellite telemeter at station.

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)
Jan. 19	1245	30,100	15.87	Jun. 7	2345	17,200	13.55
Mar. 2	1945	*82,700	*21.61	Aug. 12	2145	17,700	13.65
Mar. 15	0900	16,400	13.37	Sep. 3	1715	43,300	17.68

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	138	168	356	537	814	3520	934	368	399	411	2570	2010
2	133	169	347	458	550	69600	727	375	347	1060	1800	4970
3	130	174	323	416	414	31700	647	361	312	2540	839	19700
4	128	191	308	393	342	9360	615	343	298	e1000	582	6490
5	123	278	292	382	304	3690	567	e338	1500	e1200	476	4570
6	158	324	284	365	272	3680	509	333	2350	727	611	2020
7	756	325	286	356	246	2890	471	330	7920	604	573	1080
8	362	295	263	753	226	2290	451	334	8410	446	450	875
9	223	3720	241	732	251	2940	433	e365	4350	309	630	1400
10	190	1990	238	458	619	3250	411	431	4410	264	550	4470
11	177	571	233	517	496	1980	381	377	2720	246	429	2690
12	171	382	215	874	342	2950	363	360	1660	470	4710	1660
13	166	322	229	653	557	4750	344	718	1220	2000	5010	1320
14	167	289	635	536	1040	2540	e328	535	1060	1300	4070	1120
15	160	262	597	512	542	9380	383	376	875	627	2200	984
16	156	290	354	694	782	3490	1540	364	678	402	1180	911
17	158	505	264	3360	3250	2240	888	357	539	326	910	826
18	158	495	226	1980	1470	1580	460	344	446	298	768	759
19	163	2240	243	15900	796	1280	e427	329	386	282	698	722
20	162	1750	234	4680	587	1110	e394	317	384	266	1250	683
21	160	671	260	2550	490	964	e361	308	631	253	865	614
22	159	433	464	1540	425	823	328	552	600	349	604	565
23	162	367	353	1070	357	722	331	559	480	296	509	529
24	164	1330	282	806	313	647	736	359	328	269	461	508
25	164	3090	241	600	551	687	1720	442	292	288	432	480
26	165	997	220	458	1030	630	736	550	269	2560	409	434
27	165	561	419	515	3680	507	486	e360	252	6080	575	411
28	167	433	3410	397	3020	1330	420	330	270	2300	2380	394
29	169	387	2520	921	---	2720	397	327	276	1170	1070	377
30	168	375	1050	3310	---	2550	384	328	301	1050	681	363
31	168	---	682	1570	---	1340	---	344	---	883	684	---
TOTAL	5790	23384	16069	48293	23766	177140	17172	12114	43963	30276	38976	63935
MEAN	187	779	518	1558	849	5714	572	391	1465	977	1257	2131
MAX	756	3720	3410	15900	3680	69600	1720	718	8410	6080	5010	19700
MIN	123	168	215	356	226	507	328	308	252	246	409	363
CFSM	.24	.99	.66	1.98	1.08	7.26	.73	.50	1.86	1.24	1.60	2.71
IN.	.27	1.11	.76	2.28	1.12	8.37	.81	.57	2.08	1.43	1.84	3.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2001, BY WATER YEAR (WY)

	MEAN	552	707	1328	1809	1977	2025	1932	1237	738	622	493	483
MAX	3855	3010	5344	6205	5210	6206	8806	7650	3184	3753	1716	2131	
(WY)	1965	1958	1962	1990	1979	1961	1974	1953	1975	1989	1992	2001	
MIN	141	202	335	255	253	477	313	247	232	208	166	158	
(WY)	1953	1964	1954	1957	2000	2000	1963	1963	1988	2000	1954	1956	

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1952 - 2001
ANNUAL TOTAL	139904	500878	
ANNUAL MEAN	382	1372	1155
HIGHEST ANNUAL MEAN			2342
LOWEST ANNUAL MEAN			344
HIGHEST DAILY MEAN	4320	Apr 4	118000
LOWEST DAILY MEAN	123	Oct 5	123
ANNUAL SEVEN-DAY MINIMUM	129	Sep 1	129
MAXIMUM PEAK FLOW			82700
MAXIMUM PEAK STAGE			21.61
ANNUAL RUNOFF (CFSM)	.49		1.74
ANNUAL RUNOFF (INCHES)	6.61		23.68
10 PERCENT EXCEEDS	612	2790	2080
50 PERCENT EXCEEDS	248	495	470
90 PERCENT EXCEEDS	157	226	228

e Estimated

BUFFALO RIVER BASIN

07295000 BUFFALO RIVER NEAR WOODVILLE, MS

LOCATION.--Lat 31°13'37", long 91°17'44", in SW1/4 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, 31 mi upstream from mouth.

DRAINAGE AREA.--180 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). WDR MS-89-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 94.52 ft above sea level. 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 good. Satellite telemeter at station.

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)
Jan. 19	0830	14,400	14.79	Jun. 7	1530	*32,900	*19.35
Mar. 2	1830	12,700	14.22				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	21	76	86	191	543	107	48	86	94	47	868
2	25	20	77	76	156	4870	91	48	42	167	43	2910
3	24	21	66	71	140	4040	84	47	36	491	40	3120
4	24	23	60	69	128	1230	79	44	37	120	39	873
5	24	48	57	65	119	475	70	43	67	128	40	451
6	51	109	57	61	112	281	64	42	1450	69	56	194
7	90	71	68	62	107	201	60	41	12200	256	45	128
8	36	148	61	92	101	161	56	42	1820	68	41	110
9	29	1210	55	70	254	1010	53	43	2600	53	42	328
10	28	88	53	61	642	335	50	52	1190	47	38	255
11	27	53	51	106	180	182	47	45	507	46	45	104
12	26	43	48	115	136	1990	45	49	270	314	162	83
13	25	42	62	79	146	795	42	42	222	1700	535	73
14	25	42	229	74	123	533	41	38	194	316	214	64
15	24	36	90	71	107	2900	73	36	139	129	94	59
16	24	87	74	534	443	578	221	36	114	91	57	56
17	24	112	63	703	328	310	63	35	99	75	46	53
18	23	424	59	182	124	227	48	34	90	67	41	50
19	23	1980	65	6920	101	184	47	35	82	62	45	49
20	23	236	59	1140	90	159	47	35	82	58	49	47
21	22	102	88	556	82	138	47	34	84	56	39	45
22	22	77	114	364	80	121	45	42	117	53	35	43
23	22	68	74	282	74	109	43	41	82	53	33	42
24	22	1410	65	232	68	100	115	36	65	50	31	42
25	21	437	60	195	111	111	88	38	59	65	31	39
26	21	128	56	175	856	91	55	38	56	150	30	37
27	21	92	212	256	2380	83	50	66	56	73	179	37
28	21	78	1330	211	1410	675	50	45	61	65	222	36
29	21	79	233	1250	---	334	48	42	57	56	73	36
30	21	103	128	915	---	275	47	39	64	61	109	35
31	21	---	99	294	---	143	---	40	---	50	227	---
TOTAL	835	7388	3889	15367	8789	23184	1976	1296	22028	5083	2728	10267
MEAN	26.9	246	125	496	314	748	65.9	41.8	734	164	88.0	342
MAX	90	1980	1330	6920	2380	4870	221	66	12200	1700	535	3120
MIN	21	20	48	61	68	83	41	34	36	46	30	35
CFSM	.15	1.37	.70	2.75	1.74	4.15	.37	.23	4.08	.91	.49	1.90
IN.	.17	1.53	.80	3.18	1.82	4.79	.41	.27	4.55	1.05	.56	2.10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2001, BY WATER YEAR (WY)

MEAN	119	180	342	480	523	568	449	270	176	152	95.7	122
MAX	1169	1008	1771	2402	1605	2074	1539	1928	991	1110	429	697
(WY)	1986	1949	1972	1990	1987	1973	1983	1953	1989	1969	1992	1958
MIN	19.5	30.0	45.7	49.2	40.2	84.4	48.8	35.3	39.1	26.2	23.3	22.9
(WY)	1964	1970	1967	1981	2000	1955	1963	1963	1965	2000	2000	1952

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1942 - 2001
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ANNUAL TOTAL	32387		102830			
ANNUAL MEAN	88.5		282		290	
HIGHEST ANNUAL MEAN					552	1983
LOWEST ANNUAL MEAN					70.6	2000
HIGHEST DAILY MEAN	3090	Apr 3	12200	Jun 7	30700	Mar 25 1973
LOWEST DAILY MEAN	16	Sep 4	20	Nov 2	9.0	Oct 26 1993
ANNUAL SEVEN-DAY MINIMUM	17	Aug 31	21	Oct 27	17	Aug 31 2000
MAXIMUM PEAK FLOW			32900	Jun 7	65000	Mar 25 1973
MAXIMUM PEAK STAGE			19.35	Jun 7	22.30	Mar 25 1973
ANNUAL RUNOFF (CFSM)	.49		1.57		1.61	
ANNUAL RUNOFF (INCHES)	6.69		21.25		21.85	
10 PERCENT EXCEEDS	119		533		480	
50 PERCENT EXCEEDS	41		69		86	
90 PERCENT EXCEEDS	21		34		36	

MISSISSIPPI RIVER DELTA

175

07375280 TANGIPAHOA RIVER AT OSYKA, MS

LOCATION.--31°00'44", long 90°27'40", in SW1/4 NW1/4 NW1/4 sec.36, T.1 N., R.7 E., Washington Meridian, Pike County, Hydrologic Unit 08070205, County code 113, on upstream left bank end of bridge on State Highway 584 at Osyka, Ms, about 1/2 mi north northeast of Osyka, MS, and about 1/2 mi upstream of the Louisiana-Mississippi State Line.

DRAINAGE AREA.--158 mi².

PERIOD OF RECORD.--Occasional discharge measurements, water years 1976-91. October 1996 to current water year.

GAGE.--Water-stage recorder. Datum of gage is 215.00 ft above sea level.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62	61	101	127	302	764	159	79	77	169	553	334
2	62	63	97	117	208	2240	142	78	72	129	186	1560
3	62	67	101	106	166	5440	131	76	69	117	128	1630
4	62	64	95	99	141	6600	126	76	65	106	106	1010
5	62	79	85	99	126	3230	125	75	102	100	96	735
6	78	107	86	97	116	776	123	75	625	92	94	413
7	129	146	91	97	111	372	110	74	1300	89	135	264
8	98	172	93	137	105	277	106	73	1330	85	115	355
9	83	658	92	132	118	424	104	73	1210	82	219	461
10	65	235	89	114	252	399	101	77	809	78	127	657
11	59	123	89	121	395	286	100	75	982	77	109	492
12	60	95	88	134	246	1220	96	72	531	112	334	292
13	62	87	99	121	170	1140	95	72	258	224	1990	207
14	63	89	222	111	142	450	94	72	182	364	2490	167
15	64	83	154	112	130	1490	99	68	148	173	913	145
16	64	88	153	191	155	830	139	67	126	122	348	131
17	65	152	361	634	372	446	115	65	113	100	224	122
18	65	169	159	455	196	287	103	65	104	90	178	116
19	65	919	130	1770	154	225	88	65	96	86	151	113
20	64	593	118	2450	135	192	85	70	94	85	131	120
21	63	306	136	1240	124	170	85	66	94	81	117	110
22	63	184	232	448	116	155	86	64	94	104	108	104
23	63	138	150	272	114	142	85	70	90	98	101	102
24	62	150	125	207	108	135	150	62	87	85	95	100
25	62	291	115	171	110	139	131	62	82	79	91	100
26	61	210	109	150	120	132	105	60	79	348	89	95
27	62	160	108	145	946	120	92	63	78	401	95	90
28	61	130	149	169	882	165	87	63	81	201	181	90
29	60	113	180	227	---	253	84	65	83	148	205	90
30	61	108	180	915	---	205	81	64	148	127	144	88
31	60	---	151	537	---	181	---	67	---	130	154	---
TOTAL	2072	5840	4138	11705	6260	28885	3227	2153	9209	4282	10007	10293
MEAN	66.8	195	133	378	224	932	108	69.5	307	138	323	343
MAX	129	919	361	2450	946	6600	159	79	1330	401	2490	1630
MIN	59	61	85	97	105	120	81	60	65	77	89	88
MED	62	134	115	145	142	287	102	70	99	104	135	138
CFSM	.42	1.23	.84	2.39	1.42	5.90	.68	.44	1.94	.87	2.04	2.17
IN.	.49	1.37	.97	2.76	1.47	6.80	.76	.51	2.17	1.01	2.36	2.42

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2001, BY WATER YEAR (WY)

	1997	1998	1999	2000	2001
MEAN	102	137	182	465	372
MAX	124	196	430	1044	839
(WY)	1998	1999	1998	1999	2001
MIN	66.8	81.0	101	103	87.9
(WY)	2001	2000	2000	2000	2000

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1997 - 2001

ANNUAL TOTAL	36190	98071	
ANNUAL MEAN	98.9	269	234
HIGHEST ANNUAL MEAN			336
LOWEST ANNUAL MEAN			90.7
HIGHEST DAILY MEAN	919	Nov 19	6600
LOWEST DAILY MEAN	55	May 31	59
ANNUAL SEVEN-DAY MINIMUM	55	May 29	61
MAXIMUM PEAK FLOW			8100
MAXIMUM PEAK STAGE			15.67
INSTANTANEOUS LOW FLOW			59
ANNUAL RUNOFF (CFSM)	.63	1.70	1.48
ANNUAL RUNOFF (INCHES)	8.52	23.09	20.16
10 PERCENT EXCEEDS	143	533	331
50 PERCENT EXCEEDS	85	116	111
90 PERCENT EXCEEDS	60	65	74

07377000 AMITE RIVER NEAR DARLINGTON, LA

LOCATION.--Lat 30°53'20", long 90°50'40", in sec. 72, T. 2 S., R. 4 E., St. Helena Meridian, St. Helena Parish, Hydrologic Unit 08070202, near center of span on downstream side of bridge on State Highway 10, 1.5 mi upstream from Collins Creek, and 4.0 mi west of Darlington.

DRAINAGE AREA.--580 mi².

PERIOD OF RECORD.--March 1949 to September 1950 (annual maximum), October 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 145.81 ft above sea level. Jan. 13, 1951, to May 28, 1963, water-stage recorder at former channel 700 ft to the left; and July 30, 1963, to Feb. 12, 1964, nonrecording gage at present site. Prior to Oct. 1, 1963, at datum 2.99 ft higher.

REMARKS.--Records good, except for estimated daily discharge, which are poor. Several measurements of water temperature were made during the year. Satellite telemetry and rain gage at station.

PEAK DISCHARGES 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 4	0800	15,300	14.93	Jun 8	1030	*29,600	*17.79

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	236	241	340	451	992	e5750	604	227	210	368	673	488
2	237	241	331	400	737	e8000	490	212	200	345	820	1260
3	236	242	322	372	618	e11200	428	210	193	405	525	2290
4	235	247	318	356	553	14700	390	210	194	494	401	2090
5	235	e250	314	347	510	7600	362	207	232	393	365	2240
6	255	e254	313	341	479	2140	353	206	1050	363	351	1420
7	292	e258	318	338	455	1070	339	206	7820	347	336	610
8	279	323	319	379	437	833	339	202	24000	341	366	693
9	251	562	315	412	433	1000	332	201	15600	339	694	650
10	241	889	310	380	1280	1720	326	214	6660	307	470	950
11	238	501	306	371	1690	1010	320	222	4630	293	387	829
12	239	375	300	388	912	1790	312	219	2580	343	447	541
13	239	329	306	392	695	3400	308	280	758	816	632	453
14	239	308	415	380	601	1940	306	348	571	764	1760	412
15	240	297	484	369	554	2960	301	249	505	711	1640	387
16	241	309	416	528	559	3070	301	223	457	444	689	371
17	242	370	377	1980	783	1530	299	211	425	384	467	364
18	242	432	350	1580	712	880	295	205	403	362	448	e340
19	243	1060	341	3520	621	701	288	204	388	341	397	e335
20	243	1590	334	5950	527	600	283	202	380	319	373	e330
21	243	e1050	364	4270	e590	529	277	199	380	307	358	e320
22	242	532	530	1740	e785	478	272	200	373	417	347	e315
23	242	417	441	1010	e920	438	268	203	365	397	327	e310
24	240	412	394	813	e1070	408	263	201	356	349	315	e300
25	239	746	366	702	e1480	395	257	195	347	316	308	e295
26	240	815	349	616	e2200	379	250	193	332	302	305	291
27	240	558	345	564	2900	355	247	193	325	453	303	282
28	239	433	373	579	3170	445	244	192	346	836	354	277
29	240	380	802	723	---	919	240	195	348	529	390	273
30	240	353	890	1660	---	1030	239	191	413	422	380	269
31	240	---	570	1730	---	791	---	192	---	372	364	---
TOTAL	7548	14774	12253	33641	27263	78061	9533	6612	70841	13179	15992	19985
MEAN	243	492	395	1085	974	2518	318	213	2361	425	516	666
MAX	292	1590	890	5950	3170	14700	604	348	24000	836	1760	2290
MIN	235	241	300	338	433	355	239	191	193	293	303	269
CFSM	.42	.85	.68	1.87	1.68	4.34	.55	.37	4.07	.73	.89	1.15
IN.	.48	.95	.79	2.16	1.75	5.01	.61	.42	4.54	.85	1.03	1.28

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2001, BY WATER YEAR (WY)

	452	558	1060	1265	1677	1605	1513	906	627	501	434	483
MEAN	452	558	1060	1265	1677	1605	1513	906	627	501	434	483
MAX	2964	2528	4106	3870	4793	5194	6032	4275	2915	2184	1491	2081
(WY)	1965	1958	1972	1998	1966	1980	1983	1953	1975	1989	1975	1975
MIN	197	225	263	339	311	358	318	213	252	217	215	220
(WY)	1964	1970	1967	1957	2000	2000	2001	2001	2000	2000	2000	1963

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1951 - 2001
ANNUAL TOTAL	120748	309682	
ANNUAL MEAN	330	848	912
HIGHEST ANNUAL MEAN			1924
LOWEST ANNUAL MEAN			328
HIGHEST DAILY MEAN	2780	24000	58500
LOWEST DAILY MEAN	170	191	170
ANNUAL SEVEN-DAY MINIMUM	177	193	177
MAXIMUM PEAK FLOW		29600	104000
MAXIMUM PEAK STAGE		17.79	22.05
INSTANTANEOUS LOW FLOW		188	167
INSTANTANEOUS LOW STAGE		.67	
ANNUAL RUNOFF (CFSM)	.57	1.46	1.57
ANNUAL RUNOFF (INCHES)	7.74	19.86	21.37
10 PERCENT EXCEEDS	441	1550	1560
50 PERCENT EXCEEDS	298	370	415
90 PERCENT EXCEEDS	204	236	252

e Estimated

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 U.S. 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- or flood-flow 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 area coverage to these events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at flood hydrograph partial-record stations are presented in the following tables. Annual maximum discharges for crest-stage partial-record stations, discharge measurements made at low-flow partial-record sites and at miscellaneous sites and for special studies are given in separate tables.

The data given in the following tables generally comprises a description of the station and a table showing time, gage height, and discharge at selected times for major peaks that occurred during the year.

The description of the station gives the location, drainage area, period of record, type and history of gages, extremes of discharge, and general remarks. The explanation of data presented is identical to that for gaging stations.

Flood hydrograph partial-record stations

MOBILE RIVER BASIN

02437000 TOMBIGBEE RIVER NEAR AMORY, MS

LOCATION.--Lat 34°59'07", long 88°33'06", in NW1/4 NE1/4 sec.3, T.12 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, near right bank on downstream side of bridge on U.S. Highway 278, 0.3 mi downstream from Town Creek, 3.5 mi west of Amory, and at mile 378.9.

DRAINAGE AREA.--1,928 mi², prior to construction of Tennessee-Tombigbee Waterway.

PERIOD OF RECORD.--October 1937 to September 1985. October 1985 to September 1987 (high-water records only). 1988-Current year (flood hydrograph only). Monthly discharge only for October and November 1937, published in WSP 1304. Daily mean gage heights published October 1971 to September 1986.

REVISED RECORDS.--WSP 1504: 1948. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 178.34 ft above sea level (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.--Records good. Some regulation by Tennessee-Tombigbee Waterway. National Weather Service telemeter at station.

AVERAGE DISCHARGE.--47 years, (water year 1937-84) 3,156 ft³/s, 22.22 in/yr, prior to construction of Tennessee-Tombigbee Waterway.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 162,000 ft³/s, Mar. 17, 1973, gage height, 34.65 ft, minimum, 45 ft³/s, Sept. 20, 1954, minimum gage height, 0.77 ft, Sept. 1, 1943.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1892 reached a stage of 33.5 ft and the flood of December 1926 reached a stage of 31.5 ft, from U. S. Army Corps of Engineers profiles.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 34,400 ft³/s, Jan. 19, gage height, 24.69 ft.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Flood hydrograph partial-record stations

MOBILE RIVER BASIN--Continued

02437000 TOMBIGBEE RIVER NEAR AMORY, MS--Continued

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 2001 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
01-18	0400	12.17	2,680	02-12	1200	12.17	2,680	04-03	1200	12.35	2,880
01-18	0800	13.10	3,810	02-12	2400	15.51	7,500	04-03	1600	14.91	6,470
01-18	1200	17.17	10,700	02-13	0600	17.42	11,300	04-03	2000	20.14	17,900
01-18	1600	18.53	13,800	02-13	1200	18.97	14,900	04-03	2400	22.07	23,800
01-18	2000	19.04	15,100	02-13	2000	20.14	17,900	04-04	0200	22.86	26,700
01-18	2400	20.09	17,800	02-13	2400	19.93	17,400	04-04	0400	23.59	28,700
01-19	0200	20.72	19,500	02-14	0600	19.07	15,200	04-04	0600	23.84	30,500
01-19	0400	21.41	21,600	02-14	1200	18.06	12,700	04-04	0800	24.09	31,600
01-19	0600	22.09	23,900	02-14	2000	16.89	10,100	04-04	1000	24.18	32,000
01-19	0800	22.66	25,900	02-14	2400	16.31	8,980	04-04	1200	24.20	32,100
01-19	1000	23.20	28,000	02-15	0600	15.57	7,600	04-04	1400	24.15	31,900
01-19	1200	23.57	29,400	02-15	1200	15.46	7,410	04-04	1600	24.02	31,300
01-19	1400	23.95	31,000	02-15	2000	15.34	7,200	04-04	1800	23.82	30,500
01-19	1600	24.25	33,300	02-15	2400	15.69	7,820	04-04	2000	23.54	30,000
01-19	1800	24.49	33,500	02-16	0400	16.22	8,810	04-04	2200	23.29	28,300
01-19	1900	24.59	34,000	02-16	0600	16.39	9,140	04-04	2400	23.24	28,100
01-19	2000	24.65	34,200	02-16	0800	16.46	9,280	04-05	0200	23.36	28,600
01-19	2100	24.65	34,200	02-16	1000	16.54	9,440	04-05	0400	23.59	29,500
01-19	2200	24.69	34,400	02-16	1200	16.87	10,100	04-05	0600	23.86	30,600
01-19	2300	24.67	34,300	02-16	1400	17.63	11,700	04-05	0800	24.09	31,600
01-19	2400	24.64	34,200	02-16	1600	18.70	14,200	04-05	0900	24.16	31,900
01-20	0100	24.57	33,900	02-16	1800	19.99	17,500	04-05	1000	24.24	32,300
01-20	0200	24.49	33,500	02-16	2000	20.81	19,700	04-05	1100	24.25	32,300
01-20	0400	24.19	32,100	02-16	2200	21.58	22,200	04-05	1200	24.25	32,300
01-20	0600	23.83	30,500	02-16	2400	22.22	24,400	04-05	1300	24.25	32,300
01-20	0800	23.39	28,700	02-17	0200	22.77	26,300	04-05	1400	24.21	32,200
01-20	1000	22.92	26,900	02-17	0300	23.02	27,300	04-05	1500	24.18	32,000
01-20	1200	22.49	25,300	02-17	0400	23.21	28,000	04-05	1600	24.11	31,700
01-20	1400	22.07	23,800	02-17	0500	23.35	28,600	04-05	1800	23.94	31,000
01-20	1600	21.73	22,700	02-17	0600	23.41	28,800	04-05	2000	23.72	30,000
01-20	1800	21.42	21,600	02-17	0700	23.45	29,000	04-05	2200	23.47	29,000
01-20	2000	21.14	20,700	02-17	0800	23.44	28,900	04-05	2400	23.16	27,800
01-20	2200	20.95	20,100	02-17	0900	23.40	28,800	04-06	0400	22.54	25,500
01-20	2400	20.76	19,600	02-17	1000	23.32	28,400	04-06	0800	21.85	23,100
01-21	0400	20.39	18,600	02-17	1200	23.13	27,700	04-06	1200	21.18	20,800
01-21	0800	20.00	17,500	02-17	1400	22.86	26,700	04-06	1600	20.66	19,300
01-21	1200	19.65	16,600	02-17	1600	22.56	25,600	04-06	2000	20.15	17,900
01-21	1600	19.18	15,400	02-17	1800	22.17	24,200	04-06	2400	19.46	16,200
01-21	2000	18.85	14,600	02-17	2000	21.75	22,700	04-07	0400	18.99	14,900
01-21	2400	18.50	13,700	02-17	2200	21.20	20,900	04-07	0800	18.45	13,600
01-22	0600	17.93	12,400	02-17	2400	20.70	19,400	04-07	1200	17.92	12,400
01-22	1200	17.66	11,800	02-18	0400	19.76	16,900	04-07	1600	17.43	11,300
01-22	1800	17.23	10,900	02-18	0800	19.13	15,300	04-07	2000	17.04	10,500
01-22	2400	16.69	9,740	02-18	1200	19.01	15,000	04-07	2400	16.72	9,800
01-23	0600	16.27	8,910	02-18	1600	19.12	15,300	04-08	0600	16.37	9,100
01-23	1200	15.78	7,980	02-18	2000	19.31	15,800	04-08	1200	15.86	8,130
01-23	1800	15.14	6,860	02-18	2400	19.55	16,400	04-08	1800	15.34	7,200
01-23	2400	14.92	6,490	02-19	0600	19.93	17,400	04-08	2400	14.97	6,570
01-24	0600	14.89	6,440	02-19	1200	19.87	17,200	04-09	0600	14.66	6,070
01-24	1200	14.50	5,810	02-19	1800	19.35	15,900	04-09	1200	14.44	5,720
01-24	1800	13.90	4,920	02-19	2400	18.66	14,100	04-09	1800	14.17	5,310
01-24	2400	13.50	4,350	02-20	0600	17.90	12,300	04-09	2400	13.90	4,920
				02-20	1200	17.29	11,000	04-10	1200	12.61	3,190
				02-20	1800	16.82	10,000	04-10	2400	12.67	3,260
				02-20	2400	16.32	9,000				
				02-21	0800	15.73	7,890				
				02-21	1600	15.24	7,030				
				02-21	2400	14.76	6,230				
				02-22	0800	16.10	8,580				
				02-22	1600	16.10	8,580				
				02-22	2400	15.17	6,910				
				02-23	1200	13.90	4,920				
				02-23	2400	13.60	4,490				
				02-24	1200	13.29	4,060				
				02-24	2400	13.20	3,940				

Flood hydrograph partial-record stations

MOBILE RIVER BASIN--Continued

02441000 TIBBEE CREEK NEAR TIBBEE, MS

LOCATION.--Lat 33°32'16", long 88°38'00", in NW1/4 NW1/4 sec.4, T.18 N., R.16 E., Choctaw Meridian, Clay County, Hydrologic Unit 03160104, on right bank 10 ft downstream from bridge on old State Highway 25, 560 ft upstream from Illinois Central and Gulf Railroad bridge, 0.7 mi north of Tibbee, 4.5 mi upstream from Magee Creek, 5.0 mi south of West Point, 9.8 mi upstream from Catalpa Creek, and 17.7 mi upstream from mouth.

DRAINAGE AREA.--926 mi².

PERIOD OF RECORD.--August 1928 to September 1930, October 1939 to January 1981, February 1981 to September 1987 (high-water records only). October 1987 to current year (flood hydrograph only). Monthly discharge only for September 1930 and October 1939, published in WSP 1034. 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 sea level (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.--Records fair. U.S. Army Corps of Engineers radio telemeter at station.

AVERAGE DISCHARGE.--43 years (water years 1929-30, 1940-80), 1,343 ft³/s, 19.70 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 81,600 ft³/s, Mar. 17, 1973, gage height, 32.26 ft, no flow at times many years.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge 36,300 ft³/s, Jan. 20, gage height 27.85 ft.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 2001 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
01-17	1200	9.43	671	02-12	0600	9.87	901	02-27	1200	10.74	1,290
01-17	2400	9.62	775	02-12	1200	10.22	1,060	02-27	2400	12.78	2,080
01-18	1200	10.77	1,310	02-12	1800	12.85	2,110	02-28	1200	14.31	2,780
01-18	2400	12.81	2,090	02-12	2400	15.01	3,140	02-28	2400	16.45	3,960
01-19	0800	17.25	4,460	02-13	0400	16.64	4,070	03-01	1200	17.21	4,430
01-19	1600	20.49	6,860	02-13	0800	18.37	5,220	03-01	2400	17.73	4,780
01-19	2400	23.09	10,900	02-13	1200	19.92	6,400	03-02	0600	17.91	4,900
01-20	0300	24.24	15,200	02-13	1600	21.13	7,390	03-02	1200	18.08	5,020
01-20	0600	25.91	23,500	02-13	2000	22.00	8,300	03-02	1800	18.65	5,420
01-20	0800	26.56	27,400	02-13	2400	22.76	10,000	03-02	2400	18.96	5,650
01-20	1000	26.99	30,200	02-14	0200	23.07	10,800	03-03	0400	19.26	5,880
01-20	1200	27.34	32,600	02-14	0400	23.48	12,200	03-03	0800	19.55	6,100
01-20	1300	27.45	33,400	02-14	0600	23.94	14,000	03-03	1200	19.86	6,350
01-20	1400	27.56	34,200	02-14	0800	24.30	15,500	03-03	1600	20.20	6,620
01-20	1500	27.66	34,900	02-14	1000	24.56	16,600	03-03	2000	20.61	6,960
01-20	1600	27.71	35,300	02-14	1200	24.75	17,500	03-03	2400	20.91	7,200
01-20	1700	27.76	35,600	02-14	1300	24.81	17,800	03-04	0200	21.05	7,320
01-20	1800	27.80	35,900	02-14	1400	24.83	17,900	03-04	0400	21.11	7,370
01-20	1900	27.85	36,300	02-14	1500	24.93	18,400	03-04	0600	21.22	7,460
01-20	2000	27.84	36,300	02-14	1600	24.89	18,200	03-04	0800	21.24	7,480
01-20	2200	27.82	36,100	02-14	1800	24.90	18,200	03-04	1000	21.31	7,540
01-20	2400	27.80	35,900	02-14	2000	24.87	18,100	03-04	1200	21.36	7,580
01-21	0200	27.72	35,300	02-14	2200	24.81	17,800	03-04	1400	21.36	7,580
01-21	0400	27.60	34,400	02-14	2400	24.73	17,400	03-04	1600	21.40	7,610
01-21	0800	27.30	32,300	02-15	0400	24.50	16,400	03-04	1700	21.38	7,600
01-21	1200	26.96	30,000	02-15	0800	24.26	15,300	03-04	1800	21.40	7,610
01-21	1600	26.58	27,500	02-15	1200	23.99	14,200	03-04	1900	21.40	7,610
01-21	2000	26.20	25,200	02-15	1600	23.72	13,100	03-04	2000	21.35	7,570
01-21	2400	25.80	22,900	02-15	2000	23.40	12,000	03-04	2200	21.33	7,550
01-22	0500	25.26	20,000	02-15	2400	23.11	11,000	03-04	2400	21.22	7,460
01-22	1000	24.75	17,500	02-16	0600	22.58	9,570	03-05	0400	20.98	7,260
01-22	1500	24.24	15,200	02-16	1200	21.97	8,260	03-05	0800	20.71	7,040
01-22	2000	23.70	13,100	02-16	1800	21.77	8,020	03-05	1200	20.37	6,760
01-23	0100	23.13	11,000	02-16	2400	21.42	7,630	03-05	1600	19.98	6,440
01-23	1200	21.61	7,830	02-17	0800	20.84	7,150	03-05	2000	19.64	6,170
01-23	2400	19.21	5,840	02-17	1600	20.74	7,060	03-05	2400	19.23	5,860
01-24	1200	16.37	3,910	02-17	2400	20.89	7,190	03-06	0600	18.71	5,470
01-24	2400	13.47	2,380	02-18	1200	21.19	7,440	03-06	1200	18.13	5,050
01-25	1200	10.60	1,230	02-18	2400	21.49	7,690	03-06	1800	17.44	4,580
01-25	2400	9.99	955	02-19	1200	21.75	8,000	03-06	2400	16.53	4,000
				02-19	2400	21.48	7,680	03-07	0800	14.85	3,050
				02-20	1200	20.24	6,660	03-07	1600	13.17	2,250
				02-21	1200	10.43	3,310				
				02-21	2400	12.43	1,940				
				02-22	1200	10.43	1,150				
				02-22	2400	10.03	973				

Flood hydrograph partial-record stations

JOURDAN RIVER BASIN

02481660 JOURDAN RIVER AT KILN, MS

LOCATION.--Lat 30°23'13", long 89°26'20", SW1/4 sec.31, T.7 S., R.14 W., St. Stephens Meridian, Hancock County, Hydrologic Unit 03170009, at State Highway 43, 1.5 mi south of Kiln.

DRAINAGE AREA.--210 mi².

PERIOD OF RECORD.--February 1999 to current year.

GAGE.--Water-stage recorder and acoustic velocity meter.

REMARKS.--Records fair.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 9-10, 1995, discharge 37,000 ft³/s, May 10, 1995, gage height 12.48 ft.

EXTREMES FOR 1999 WATER YEAR.--Maximum discharge 12,900 ft³/s, Mar. 13, gage height 4.07 ft.

EXTREMES FOR 2000 WATER YEAR.--Maximum discharge 11,100 ft³/s, Oct. 7, gage height 3.47 ft.

EXTREMES FOR 2001 WATER YEAR.--Maximum discharge 18,100 ft³/s, Mar. 4, gage height 5.89 ft.

GAGE-HEIGHT, IN FEET, AND DISCHARGE IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1999 WATER YEAR

Date	Time	Gage Height	Discharge
03-13	0800	0.75	2,180
03-13	0900	1.04	3,250
03-13	1000	1.14	3,570
03-13	1100	1.28	4,070
03-13	1200	1.43	4,570
03-13	1300	1.74	5,600
03-13	1400	2.11	6,800
03-13	1500	2.38	7,650
03-13	1600	2.65	8,530
03-13	1700	2.80	9,000
03-13	1800	3.19	10,200
03-13	1900	3.61	11,500
03-13	2000	4.03	12,800
03-13	2100	4.07	12,900
03-13	2200	3.63	11,600
03-13	2300	3.19	10,200
03-13	2400	2.81	9,040
03-14	0100	2.49	8,010
03-14	0200	2.11	6,800
03-14	0300	1.66	5,350
03-14	0500	0.74	2,160

GAGE-HEIGHT, IN FEET, AND DISCHARGE IN CUBIC FEET PER SECOND, AT INDICATED TIME, 2000 WATER YEAR

Date	Time	Gage Height	Discharge
10-07	0300	1.56	5,020
10-07	0400	1.82	5,880
10-07	0500	2.08	6,710
10-07	0600	2.25	7,260
10-07	0700	2.26	7,260
10-07	0800	2.10	6,780
10-07	0900	1.94	6,260
10-07	1000	2.00	6,460
10-07	1100	2.12	6,830
10-07	1200	2.36	7,600
10-07	1300	2.59	8,340
10-07	1400	2.68	8,630
10-07	1500	2.72	8,740
10-07	1600	3.02	9,710
10-07	1700	3.31	10,600
10-07	1800	3.47	11,100
10-07	1900	3.31	10,600
10-07	2000	3.01	9,670
10-07	2100	2.68	8,610
10-07	2200	2.44	7,850
10-07	2300	2.48	7,980

Flood hydrograph partial-record stations

JOURDAN RIVER BASIN--Continued

02481660 JOURDAN RIVER AT KILN, MS--Continued

GAGE-HEIGHT, IN FEET, AND DISCHARGE IN CUBIC FEET PER SECOND, AT INDICATED TIME, 2001 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
03-12	2230	1.27	4,010	09-20	0100	1.85	1,330
03-12	2300	1.38	4,380	09-20	0200	1.90	1,640
03-12	2400	1.83	5,900	09-20	0300	1.77	2,330
03-13	0100	2.28	7,330	09-20	0400	1.52	2,600
03-13	0115	2.32	7,470	09-20	0500	1.29	2,830
03-13	0130	2.28	7,350	09-20	0600	1.16	2,900
03-13	0145	2.22	7,160	09-20	0700	1.10	2,790
03-13	0200	2.16	6,960	09-20	0800	0.98	3,020
03-13	0300	1.94	6,240	09-20	0900	0.79	3,400
03-13	0430	1.68	5,420	09-20	1000	0.55	3,370
03-13	0500	1.78	5,750	09-20	1045	0.45	3,490
03-13	0530	1.81	5,820	09-20	1200	0.44	3,260
03-13	0600	1.69	5,450	09-20	1300	0.70	3,000
03-13	0700	1.48	4,760	09-20	400	0.96	2,780
03-13	0830	1.65	5,310	09-20	1500	1.06	3,280
03-13	0900	1.62	5,200	09-20	1600	1.26	3,270
03-13	1000	1.43	4,570	09-20	1700	1.37	2,980
03-13	1100	1.21	3,810	09-20	1800	1.51	3,290
03-13	1230	1.04	3,220	09-20	1900	1.66	3,120
03-13	1300	1.20	3,780	09-20	2000	1.74	3,240
03-13	1400	1.67	5,370	09-20	2100	1.70	3,290
03-13	1500	1.64	5,280	09-20	2200	1.67	3,060
03-13	1630	1.28	4,070	09-20	2300	1.78	2,830
03-13	1700	1.23	3,870	09-20	2400	2.01	2,490
03-13	1730	1.20	3,780	09-21	0100	2.21	2,500
				09-21	0200	2.39	2,250
				09-21	0300	2.50	2,540
				09-21	0330	2.51	2,540
				09-21	0400	2.50	2,910
				09-21	0500	2.44	2,920
				09-21	0600	2.27	2,770
				09-21	0700	1.96	3,230
				09-21	0800	1.64	2,820
				09-21	0900	1.38	2,860
				09-21	1000	1.16	2,630
				09-21	1100	0.96	2,590
				09-21	1200	0.72	2,460
				09-21	1300	0.61	2,000
				09-21	1400	0.77	1,790

Flood hydrograph partial-record stations

PEARL RIVER BASIN

02484650 PEARL RIVER AT RATLIFF'S FERRY NEAR RATLIFF, MS

LOCATION.--Lat 32°35'39", long 89°50'25", in SW1/4 NE1/4 sec.25, T.9 N., R.4 E., Choctaw Meridian, Madison County, Hydrologic Unit 03180002, near right bank, 28.5 miles upstream of the Ross Barnett Dam.

DRAINAGE AREA.--2,638 mi².

PERIOD OF RECORD.--May 1998 to current year.

GAGE.--Water-stage recorder and acoustic velocity meter. Datum of gage is sea level (U.S. Geological Survey benchmark).

REMARKS.--Records fair. Regulation by the Ross Barnett Reservoir. Stages above 303.0 ft contain floodplain flow that is unmeasurable.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 14, 1979, gage height, 313.1 ft (from floodmark).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 30,100 ft³/s, Apr.8, 2001, gage height 303.01 ft, Apr. 8.

GAGE-HEIGHT, IN FEET, AND DISCHARGE IN CUBIC FEET PER SECOND, AT INDICATED TIME, 2001 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
03-02	0100	297.17	9,130	03-14	1200	297.34	8,800	04-04	1200	296.21	2,740
03-02	1200	297.42	10,900	03-14	2400	297.49	10,200	04-04	2400	296.20	2,380
03-02	2400	297.80	11,100	03-15	1200	297.87	9,120	04-05	1200	296.46	6,010
03-03	0100	297.84	11,800	03-15	2400	298.42	11,300	04-05	2400	297.30	9,030
03-03	0600	298.07	9,090	03-16	0100	298.49	13,000	04-06	0100	297.38	8,780
03-03	1200	298.47	14,300	03-16	0600	298.81	14,400	04-06	0600	297.83	13,700
03-03	1800	299.05	11,700	03-16	1200	299.22	16,000	04-06	1200	298.48	12,500
03-03	2400	299.59	15,500	03-16	1800	299.53	18,100	04-06	2400	300.31	18,300
03-04	0100	299.65	15,800	03-16	2400	299.83	16,300	04-07	0100	300.49	19,100
03-04	0600	299.99	14,900	03-17	0100	299.86	18,100	04-07	0600	301.23	19,500
03-04	1200	300.30	18,500	03-17	0600	300.00	17,700	04-07	1200	301.96	24,800
03-04	1800	300.54	20,400	03-17	1200	300.13	18,500	04-07	1600	302.34	22,400
03-04	2400	300.76	18,400	03-17	1800	300.23	18,900	04-07	2000	302.58	24,700
03-05	0100	300.80	21,700	03-17	2400	300.25	16,300	04-07	2400	302.74	25,900
03-05	0400	300.89	20,700	03-18	0200	300.30	15,800	04-08	0100	302.82	27,000
03-05	0800	301.01	20,200	03-18	0400	300.31	19,100	04-08	0300	302.86	24,200
03-05	1200	301.11	20,300	03-18	0600	300.34	19,400	04-08	0600	303.01	21,700
03-05	1600	301.23	22,400	03-18	0800	300.32	19,100	04-08	0700	302.98	29,200
03-05	2000	301.28	21,500	03-18	1000	300.34	19,800	04-08	0800	303.01	30,100
03-05	2400	301.45	21,500	03-18	1200	300.34	19,100	04-08	0900	303.03	26,800
03-06	0100	301.47	18,800	03-18	1400	300.39	18,700	04-08	1000	302.99	26,600
03-06	0200	301.48	18,800	03-18	1600	300.33	18,700	04-08	1100	303.02	29,100
03-06	0300	301.55	22,100	03-18	1800	300.34	16,200	04-08	1200	303.03	21,100
03-06	0400	301.53	21,000	03-18	2000	300.38	19,500	04-08	1300	303.02	27,500
03-06	0500	301.57	25,300	03-18	2200	300.33	17,600	04-08	1400	303.05	27,300
03-06	0600	301.57	22,000	03-18	2400	300.38	20,700	04-08	1500	303.01	25,300
03-06	0700	301.55	20,800	03-19	0200	300.37	18,600	04-08	1600	302.99	25,200
03-06	0800	301.64	22,200	03-19	0400	300.34	20,700	04-08	1700	303.02	22,500
03-06	0900	301.65	20,600	03-19	0600	300.32	20,100	04-08	1800	302.95	26,000
03-06	1000	301.65	25,400	03-19	0800	300.30	18,100	04-08	2000	302.96	27,300
03-06	1100	301.64	23,200	03-19	1000	300.26	18,900	04-08	2100	302.94	27,100
03-06	1200	301.66	22,100	03-19	1200	300.23	19,400	04-08	2200	302.97	21,000
03-06	1300	301.68	21,800	03-19	1400	300.21	16,100	04-08	2300	303.00	29,200
03-06	1400	301.67	26,300	03-19	1600	300.12	19,600	04-08	2400	302.92	23,000
03-06	1500	301.70	19,300	03-19	1800	300.05	17,500	04-09	0100	302.90	24,700
03-06	1600	301.68	24,800	03-19	2000	299.98	14,300	04-09	0600	302.83	27,000
03-06	1700	301.70	24,000	03-19	2200	299.95	17,800	04-09	1200	302.65	23,800
03-06	1800	301.65	25,100	03-19	2400	299.86	19,500	04-09	1600	302.48	23,600
03-06	1900	301.72	24,400	03-20	0100	299.84	21,600	04-09	2000	302.32	23,600
03-06	2000	301.70	23,200	03-20	0600	299.65	16,500	04-09	2400	302.06	19,900
03-06	2100	301.72	21,400	03-20	1200	299.48	16,100	04-10	0100	301.98	20,600
03-06	2200	301.74	22,300	03-20	1800	299.28	16,300	04-10	0600	301.70	24,200
03-06	2300	301.72	23,400	03-20	2400	299.14	15,000	04-10	1200	301.19	20,600
03-06	2400	301.68	26,100	03-21	0600	299.01	14,500	04-10	2400	300.27	16,900
03-07	0100	301.70	24,900	03-21	1200	298.96	14,000	04-11	1200	299.47	15,600
03-07	0400	301.67	23,600	03-21	1800	298.75	13,300	04-11	2400	298.97	10,500
03-07	0800	301.64	22,100	03-21	2400	298.68	12,900	04-12	1200	298.71	9,070
03-07	1200	301.57	26,300	03-22	1200	298.46	10,600	04-12	2400	298.42	8,330
03-07	1600	301.50	22,000	03-22	2400	298.20	12,700	04-13	1200	298.24	9,810
03-07	2000	301.41	21,100					04-13	2400	298.00	8,080
03-08	0100	301.32	17,700					04-14	1200	297.82	4,370
03-08	0600	301.21	21,600								
03-08	1200	301.07	21,200								
03-08	1800	300.83	15,400								
03-08	2400	300.58	18,500								
03-09	0100	300.54	14,900								
03-09	0600	300.31	20,400								
03-09	1200	299.97	17,800								
03-09	1800	299.65	15,300								
03-09	2400	299.38	15,900								
03-10	0100	299.32	14,800								
03-10	1200	298.82	13,400								
03-10	2400	298.44	15,000								
03-11	0100	298.41	11,900								
03-11	1200	298.09	11,000								
03-11	2400	297.76	9,150								

Flood hydrograph partial-record stations

PEARL RIVER BASIN--Continued

02485800 EUBANKS CREEK AT JACKSON, MS

LOCATION.--Lat 32°20'22", long 90°09'51", in NW1/4 NE1/4 sec.26, T.6 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, near left bank at downstream side of Wood Dale Drive bridge in Jackson, about 1,600 ft upstream from Interstate 55 and 1.3 mi upstream from the mouth.

DRAINAGE AREA.--5.19 mi², revised. (Includes 1.28 mi² impounded by lake Hico.)

PERIOD OF RECORD.--August 1953 to current year (annual peaks only prior to 1988 water year).

GAGE.--Water-stage recorder. Datum of gage is 262.02 ft above sea level, supplementary adjustment of 1941. A continuous recorder was previously located 1,600 ft downstream from the present site at datum 0.74 ft lower than the present and was in operation from July 1954 to August 1959. A crest-stage gage was also in operation from November 1953 through February 1959, located 1,700 ft downstream from the present site.

REMARKS.--Records fair. Occasional backwater from Pearl River.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,200 ft³/s, Apr. 29, 1953, gage height, 12.20 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,480 ft³/s, Nov. 8, gage height 10.22 ft.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 2001 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
11-08	1900	4.98	182	01-19	0315	5.05	192	06-27	1500	4.81	160
11-08	1915	6.37	414	01-19	0330	5.10	199	06-27	1515	8.16	836
11-08	1930	9.52	1,240	01-19	0345	5.28	225	06-27	1530	9.07	1,100
11-08	1945	10.19	1,470	01-19	0400	5.67	287	06-27	1545	8.57	951
11-08	2000	10.22	1,480	01-19	0415	6.26	393	06-27	1600	7.99	790
11-08	2015	9.77	1,330	01-19	0430	7.62	695	06-27	1615	7.33	624
11-08	2030	9.47	1,230	01-19	0445	8.87	1,040	06-27	1630	6.52	444
11-08	2045	8.82	1,020	01-19	0500	8.95	1,060	06-27	1645	5.94	333
11-08	2100	7.82	745	01-19	0515	8.46	919	06-27	1700	5.43	248
11-08	2115	6.98	543	01-19	0530	7.97	785	06-27	1715	5.09	197
11-08	2130	6.32	404	01-19	0545	7.54	675	06-27	1730	4.75	152
11-08	2145	5.84	316	01-19	0600	7.15	581	06-27	1745	4.48	120
11-08	2200	5.50	259	01-19	0615	6.80	503	06-27	1800	4.29	99.8
11-08	2215	5.21	215	01-19	0630	6.56	453	06-27	1815	4.13	84.0
11-08	2230	5.08	196	01-19	0645	6.37	414				
				01-19	0700	6.29	399				
				01-19	0715	6.23	387				
				01-19	0730	6.11	364				
				01-19	0745	5.91	328				
				01-19	0800	5.72	295				
				01-19	0815	5.53	264				
				01-19	0830	5.34	234				
				01-19	0845	5.17	209				
				01-19	0900	5.02	188				

Flood hydrograph partial-record stations

PEARL RIVER BASIN--Continued

02485950 TOWN CREEK AT JACKSON, MS

LOCATION.--Lat 32°18'15", long 90°11'34". in NW1/4 SW1/4sec.3, T.5 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, at bridge on Gallatin street in Jackson, 300 ft upstream of Illinois Central Railroad and 2.5 mi upstream from mouth.

DRAINAGE AREA.--11.4 mi².

PERIOD OF RECORD.--August 1954 to current year (Annual peaks only prior to 1989 water year).

GAGE.--Water-stage recorder. Datum of gage is 260.72 ft above sea level. Prior to Mar. 2, 1988, at datum 2.00 ft higher.

REMARKS.--Records fair. Occasional backwater from Pearl River.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,520 ft³/s, Aug. 12, 2001, maximum gage height, 15.09 ft, Aug. 12, 2001.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of 1921, maximum discharge, 6,000 ft³/s, gage height, 19.00 ft (but may have been at different datum).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,520 ft³/s, Aug. 12, gage height, 15.09 ft.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 2001 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
11-08	1915	3.72	519	01-19	0400	4.69	812	08-12	0545	5.87	1,190
11-08	1930	6.67	1,530	01-19	0415	4.97	904	08-12	0600	7.13	1,660
11-08	1945	8.38	2,250	01-19	0430	5.84	1,210	08-12	0615	8.59	2,260
11-08	2000	9.11	2,590	01-19	0445	6.89	1,620	08-12	0630	10.18	2,970
11-08	2015	9.59	2,810	01-19	0500	7.58	1,900	08-12	0645	11.23	3,480
11-08	2030	9.51	2,780	01-19	0515	7.77	1,980	08-12	0700	12.70	4,220
11-08	2045	9.18	2,620	01-19	0530	7.72	1,960	08-12	0715	13.74	4,770
11-08	2100	8.85	2,460	01-19	0545	7.44	1,840	08-12	0730	14.74	5,320
11-08	2115	8.30	2,210	01-19	0600	7.23	1,750	08-12	0745	15.09	5,520
11-08	2130	7.63	1,920	01-19	0615	6.90	1,620	08-12	0800	14.53	5,200
11-08	2145	7.00	1,660	01-19	0630	6.64	1,520	08-12	0815	14.25	5,050
11-08	2200	6.55	1,480	01-19	0645	6.43	1,430	08-12	0830	13.89	4,850
11-08	2215	5.98	1,260	01-19	0700	6.28	1,380	08-12	0845	13.28	4,520
11-08	2230	5.67	1,150	01-19	0715	6.13	1,320	08-12	0900	12.45	4,090
11-08	2245	5.70	1,160	01-19	0730	6.04	1,280	08-12	0915	11.73	3,720
11-08	2300	6.08	1,300	01-19	0745	5.89	1,230	08-12	0930	10.49	3,120
11-08	2315	6.34	1,400	01-19	0800	5.78	1,190	08-12	0945	9.22	2,540
11-08	2330	6.56	1,480	01-19	0815	5.64	1,140	08-12	1000	7.87	1,960
11-08	2345	6.64	1,520	01-19	0830	5.32	1,020	08-12	1015	7.06	1,630
11-08	2400	6.61	1,500	01-19	0845	5.16	969	08-12	1030	6.63	1,470
				01-19	0900	5.01	918	08-12	1045	6.13	1,280
				01-19	0915	4.88	874	08-12	1100	5.88	1,200
11-09	0015	6.43	1,430								
11-09	0030	6.31	1,390								
11-09	0100	6.92	1,630								
11-09	0115	7.09	1,700								
11-09	0130	6.96	1,640								
11-09	0145	6.65	1,520								
11-09	0200	6.21	1,350								
11-09	0215	5.67	1,150								

PEARL RIVER BASIN--Continued

LOCATION.--Lat 32°17'03", long 90°12'53", in SW1/4 SE1/4 sec.8, T.5 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, near left bank at the downstream side of Valley Street bridge in Jackson, 2,000 ft downstream of Highway 80, and 2.0 mi upstream from the mouth.

DRAINAGE AREA.--12.0 mi² (11.1 mi² at U.S. Highway 80, furnished by City of Jackson plus 0.9 mi² intervening area estimated from City of Jackson 2-ft contour map).

PERIOD OF RECORD.--August 1954 to current year (annual peaks only prior to 1988 water year).

GAGE.--Water-stage recorder. Datum of gage is 261.68 ft above sea level.

REMARKS.--Records fair. Occasional backwater from Pearl River.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,180 ft³/s, Apr. 20, 1995, gage height, 16.30 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 29, 1953, maximum discharge, 7,500 ft³/s, gage height, 18.9 ft (from floodmark). Flood prior to 1939 reached a stage of 19.2 ft (from Mississippi Highway Department).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,240 ft³/s, Nov. 8, 2001, gage height 13.66 ft.

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
11-08	1915	7.29	567	01-19	0345	9.22	1,120	02-16	1245	4.71	142
11-08	1930	10.79	1,720	01-19	0400	9.30	1,140	02-16	1300	7.10	52
11-08	1945	12.73	2,690	01-19	0415	9.60	1,250	02-16	1315	9.23	1,120
11-08	2000	13.54	3,170	01-19	0430	10.16	1,460	02-16	1330	10.30	1,520
11-08	2015	13.66	3,240	01-19	0445	10.66	1,670	02-16	1345	10.79	1,720
11-08	2030	13.52	3,160	01-19	0500	10.77	1,710	02-16	1400	11.08	1,850
11-08	2045	13.26	3,000	01-19	0515	10.69	1,680	02-16	1415	11.24	1,930
11-08	2100	12.87	2,770	01-19	0530	10.51	1,600	02-16	1430	11.25	1,930
11-08	2115	12.33	2,470	01-19	0545	10.36	1,540	02-16	1445	11.07	1,850
11-08	2130	11.72	2,150	01-19	0600	10.19	1,470	02-16	1500	10.70	1,680
11-08	2145	11.06	1,840	01-19	0615	10.00	1,400	02-16	1515	10.30	1,520
11-08	2200	10.41	1,560	01-19	0630	9.82	1,330	02-16	1530	9.90	1,360
11-08	2215	9.85	1,340	01-19	0645	9.70	1,280	02-16	1545	9.51	1,220
11-08	2230	9.41	1,180	01-19	0700	9.64	1,260	02-16	1600	9.15	1,090
11-08	2245	9.43	1,190	01-19	0715	9.56	1,230	02-16	1615	8.77	970
11-08	2300	9.87	1,350	01-19	0730	9.48	1,210	02-16	1630	8.40	858
11-08	2315	10.18	1,470	01-19	0745	9.43	1,190	02-16	1645	8.05	758
11-08	2330	10.30	1,520	01-19	0800	9.36	1,170	02-16	1700	7.71	668
11-08	2345	10.22	1,490	01-19	0815	9.31	1,150	02-16	1715	7.41	595
11-08	2400	10.22	1,480	01-19	0830	9.24	1,120	02-16	1730	7.15	535
11-09	0015	10.26	1,500								
11-09	0030	10.42	1,570								
11-09	0045	11.37	1,990								
11-09	0100	11.69	2,140								
11-09	0115	11.46	2,030								
11-09	0130	10.94	1,790								
11-09	0145	10.39	1,560								
11-09	0200	9.95	1,380								

Flood hydrograph partial-record stations

PEARL RIVER BASIN--Continued

02486350 CANY CREEK AT JACKSON, MS

LOCATION.--Lat 32°14'16", long 90°13'59", in NW1/4 NE1/4 sec.31, T.5 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, at bridge on Terry Road (Old U.S. Highway 51 south) at Jackson, and about 2.5 mi upstream from the confluence with the Pearl River.

DRAINAGE AREA.--8.38 mi².

PERIOD OF RECORD.--Occasional discharge measurements, annual maximums, water years 1961-77. November 1993 to September 1994 (high water records only).

GAGE.--Water-stage recorder. Datum of gage is 255.00 ft above sea level. November 1960 to September 1977 crest-stage gage at same site and datum 55 ft lower.

REMARKS.--Records fair. Backwater from Pearl River: March 3-10. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,400 ft³/s, Apr. 16, 1973, gage height, 15.89 ft present datum, minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,470 ft³/s, Mar. 2, gage height 10.50 ft.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 2001 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
11-08	1930	6.40	529	0302	1300	6.91	667	0909	0600	5.34	295
11-08	1945	8.34	1,140	0302	1315	7.62	885	0909	0615	6.22	484
11-08	2000	9.00	1,400	0302	1330	8.73	1,290	0909	0630	8.79	1,310
11-08	2015	9.18	1,490	0302	1345	9.75	1,830	0909	0645	9.57	1,710
11-08	2030	9.05	1,430	0302	1400	10.32	2,290	0909	0700	9.73	1,820
11-08	2045	8.74	1,290	0302	1415	10.50	2,470	0909	0715	9.48	1,660
11-08	2100	8.37	1,150	0302	1430	10.44	2,410	0909	0730	9.15	1,480
11-08	2115	7.98	1,010	0302	1445	10.12	2,110	0909	0745	8.61	1,240
11-08	2130	7.77	935	0302	1500	9.70	1,800	0909	0800	8.08	1,040
11-08	2145	7.57	869	0302	1515	9.11	1,460	0909	0815	7.58	872
11-08	2200	7.32	790	0302	1530	8.57	1,230	0909	0830	7.22	759
11-08	2215	7.18	747	0302	1545	8.00	1,010	0909	0845	6.94	675
11-08	2230	7.06	710	0302	1600	7.57	869	0909	0900	6.70	608
				0302	1615	7.22	759	0909	0915	6.51	557
				0302	1630	7.06	710	0909	0930	6.36	518
				0302	1645	6.91	667	0909	0945	6.20	479
								0909	1000	6.08	451
								0909	1015	5.97	425
								0909	1030	5.85	398
								0909	1045	5.74	375
								0909	1100	5.60	346

Flood hydrograph partial-record stations

YAZOO RIVER BASIN

07287355 FANNEGUSHA CREEK NEAR HOWARD, MS

LOCATION.--Lat 33°08'17", long 90°11'46", in NW1/4 NE1/4 sec.28, T.15 N., R.1 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08030206, on downstream side of bridge on paved county road, 0.9 mi north of Howard and 2.2 mi south of State Highway 12.

DRAINAGE AREA.--107 mi².

PERIOD OF RECORD.--August 1953 to February 1966 (annual maximums only). Occasional discharge measurements since 1947 in files of U.S. Army Corps of Engineers. March 1987 to September 2000.

FLOOD HYDROGRAPH: Water Year 2001.

WATER QUALITY: Water Years 1987-96, 1999.

PERIOD OF DAILY RECORD.--

DISCHARGE: March 1987 to September 2000.

SUSPENDED SEDIMENT CONCENTRATION: March 1987 to May 1989, October 1999 to September 2000.

SUSPENDED SEDIMENT DISCHARGE: March 1987 to May 1989, October 1999 to September 2000.

REVISED RECORDS.--WDR MS-92-1: 1955 (M), Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 123.79 ft above sea level, (levels by U.S. Army Corps of Engineers).

REMARKS.--Records good. Satellite telemeter at station.

AVERAGE DISCHARGE.-- 13 years, (water years 1988-2000), 183 ft³/s, 23.24 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24,200 ft³/s, Apr. 5, gage height, 25.02 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 24,200 ft³/s, Apr. 5, gage height, 25.02 ft.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 2001 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
12-26	1800	6.71	17	01-17	0000	7.13	47	04-04	1200	7.07	36
12-26	2400	6.77	20	01-18	0600	7.38	79	04-04	1800	7.08	38
12-27	0300	7.07	41	01-18	0900	9.11	339	04-04	2100	7.24	56
12-27	0600	10.19	619	01-18	1200	14.25	2590	04-04	2400	13.76	2300
12-27	0700	13.27	2040	01-18	1500	16.13	3860	04-05	0300	17.97	5390
12-27	0800	15.49	3390	01-18	1800	17.19	4700	04-05	0400	18.73	6110
12-27	0900	16.56	4190	01-18	2000	17.55	5010	04-05	0500	20.38	7860
12-27	1000	17.15	4670	01-18	2200	18.16	5570	04-05	0600	22.98	14900
12-27	1015	17.26	4760	01-18	2400	18.59	5980	04-05	0615	23.55	17200
12-27	1030	17.31	4810	01-19	0200	18.87	6250	04-05	0630	23.88	18600
12-27	1045	17.34	4830	01-19	0400	19.21	6600	04-05	0645	24.22	20100
12-27	1100	17.39	4870	01-19	0600	19.44	6830	04-05	0700	24.54	21700
12-27	1115	17.43	4910	01-19	0700	19.56	6960	04-05	0715	24.71	22500
12-27	1130	17.54	5010	01-19	0800	19.71	7120	04-05	0730	24.86	23300
12-27	1145	17.58	5040	01-19	0900	19.85	7270	04-05	0745	24.98	23900
12-27	1200	17.69	5140	01-19	1000	19.90	7330	04-05	0800	25.00	24100
12-27	1215	17.75	5190	01-19	1100	19.95	7380	04-05	0815	24.99	24000
12-27	1230	17.73	5170	01-19	1200	20.10	7550	04-05	0830	25.02	24200
12-27	1245	17.83	5260	01-19	1215	20.13	7580	04-05	0845	24.88	23400
12-27	1300	17.85	5280	01-19	1230	20.07	7510	04-05	0900	24.83	23100
12-27	1315	17.90	5330	01-19	1245	20.20	7660	04-05	0915	24.71	22500
12-27	1330	17.89	5320	01-19	1300	20.18	7640	04-05	0930	24.53	21600
12-27	1345	17.99	5410	01-19	1315	20.17	7630	04-05	0945	24.42	21100
12-27	1400	17.93	5350	01-19	1330	20.17	7630	04-05	1000	24.30	20500
12-27	1415	18.01	5430	01-19	1345	20.17	7630	04-05	1015	24.11	19600
12-27	1430	18.00	5420	01-19	1400	20.23	7690	04-05	1030	23.85	18400
12-27	1445	18.09	5500	01-19	1415	20.22	7680	04-05	1045	23.67	17700
12-27	1500	18.02	5440	01-19	1430	20.23	7690	04-05	1100	23.44	16700
12-27	1515	18.01	5430	01-19	1445	20.20	7660	04-05	1115	23.19	15700
12-27	1530	17.94	5360	01-19	1500	20.16	7610	04-05	1130	22.94	14800
12-27	1545	18.02	5440	01-19	1515	20.20	7660	04-05	1145	22.66	13800
12-27	1600	18.08	5490	01-19	1530	20.16	7610	04-05	1200	22.35	12800
12-27	1615	18.00	5420	01-19	1545	20.15	7600	04-05	1300	20.91	8810
12-27	1630	18.08	5490	01-19	1600	20.20	7660	04-05	1400	19.34	6730
12-27	1645	17.97	5390	01-19	1615	20.14	7590	04-05	1500	16.99	4540
12-27	1700	17.93	5350	01-19	1630	20.17	7630	04-05	1600	14.54	2760
12-27	1715	17.84	5270	01-19	1645	20.12	7570	04-05	1700	13.24	2020
12-27	1730	17.70	5150	01-19	1700	20.10	7550	04-05	1800	12.52	1630
12-27	1745	17.60	5060	01-19	1715	20.03	7470				
12-27	1800	17.44	4920	01-19	1730	19.96	7390				
12-27	2100	14.12	2510	01-19	1745	19.97	7400				
12-27	2400	12.30	1510	01-19	1800	19.87	7290				
12-28	0600	10.68	787	01-19	1900	19.48	6880				
12-28	1200	10.01	565	01-19	2000	18.89	6270				
12-28	1800	9.66	468	01-19	2100	17.70	5150				
				01-19	2200	16.08	3820				
				01-19	2400	14.08	2490				
				01-20	0600	12.17	1450				
				01-20	1200	11.28	1030				

Flood hydrograph partial-record stations

YAZOO RIVER BASIN--Continued

07287404 HARLAND CREEK NEAR HOWARD, MS

LOCATION.--Lat 33°06'05", long 90°10'23", in NW1/4 SW1/4 sec.35, T.15 N., R.1 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08030206, on right bank at downstream side of bridge on gravel road, 1.3 mi downstream from Williams Creek, 0.8 mi upstream from mouth, and 1.8 mi southeast of Howard.

DRAINAGE AREA.--62.1 mi².

PERIOD OF RECORD.--November 1986 to September 2000.

FLOOD HYDROGRAPH: Water Year 2001.

WATER QUALITY: Water Years 1987-97, 1999.

PERIOD OF DAILY RECORD.--

DISCHARGE: November 1986 to September 2000.

SPECIFIC CONDUCTANCE: December 1986 to February 1987.

pH: December 1986 to March 1987.

WATER TEMPERATURE: December 1986 to March 1987.

DISSOLVED OXYGEN: December 1986 to February 1987.

SUSPENDED SEDIMENT CONCENTRATION: December 1986 to September 2000.

SUSPENDED SEDIMENT DISCHARGE: December 1986 to September 2000.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 132.85 ft above sea level.

REMARKS.--Records good. Satellite telemeter at station.

AVERAGE DISCHARGE.--14 years, (water years 1987-2000), 90.7 ft³/s, 19.85 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,440 ft³/s, Mar. 18, 1987, gage height, 22.95 ft, Jan. 18-19, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,110 ft³/s, Apr. 5, gage height, 18.63 ft.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 2001 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
01-17	2400	5.78	25	03-12	0300	6.13	59	04-04	1200	5.80	27
01-18	0300	5.78	25	03-12	0600	6.22	72	04-04	1500	5.87	32
01-18	0600	6.38	97	03-12	0700	6.58	140	04-04	1800	5.86	31
01-18	0800	10.91	1190	03-12	0800	6.84	213	04-04	2100	6.66	161
01-18	0900	14.52	2350	03-12	0900	7.99	498	04-04	2200	9.16	750
01-18	1000	15.43	2700	03-12	1000	9.42	809	04-04	2300	12.84	1760
01-18	1100	15.49	2730	03-12	1100	11.88	1460	04-04	2400	15.60	2770
01-18	1200	15.52	2740	03-12	1200	14.60	2380	04-05	0100	17.38	3530
01-18	1215	15.55	2750	03-12	1215	15.06	2560	04-05	0115	17.64	3650
01-18	1230	15.55	2750	03-12	1230	15.50	2730	04-05	0130	17.88	3760
01-18	1245	15.56	2760	03-12	1245	15.69	2810	04-05	0145	18.07	3840
01-18	1300	15.59	2770	03-12	1300	15.80	2850	04-05	0200	18.21	3910
01-18	1315	15.60	2770	03-12	1315	15.96	2920	04-05	0215	18.40	4000
01-18	1330	15.60	2770	03-12	1330	15.91	2900	04-05	0230	18.49	4040
01-18	1345	15.58	2760	03-12	1345	15.89	2890	04-05	0245	18.57	4080
01-18	1400	15.59	2770	03-12	1400	15.78	2850	04-05	0300	18.71	4150
01-18	1415	15.59	2770	03-12	1415	15.58	2760	04-05	0315	18.58	4090
01-18	1430	15.58	2760	03-12	1430	15.41	2700	04-05	0330	18.63	4110
01-18	1445	15.58	2760	03-12	1445	15.21	2620	04-05	0345	18.50	4050
01-18	1500	15.58	2760	03-12	1500	15.01	2540	04-05	0400	18.51	4050
01-18	1515	15.60	2770	03-12	1600	14.22	2240	04-05	0415	18.55	4070
01-18	1530	15.56	2760	03-12	1700	13.51	1990	04-05	0430	18.44	4020
01-18	1545	15.53	2740	03-12	1800	13.02	1820	04-05	0445	18.33	3970
01-18	1600	15.54	2750	03-12	1900	12.55	1670	04-05	0500	17.46	3570
01-18	1615	15.57	2760	03-12	2000	12.09	1530	04-05	0600	15.71	2820
01-18	1630	15.56	2760	03-12	2100	11.73	1420	04-05	0700	15.09	2570
01-18	1645	15.53	2740	03-12	2200	11.40	1320	04-05	0800	14.99	2530
01-18	1700	15.56	2760	03-12	2300	11.13	1240	04-05	0900	15.28	2650
01-18	1715	15.53	2740	03-12	2400	10.86	1170	04-05	1000	15.74	2830
01-18	1730	15.57	2760	03-13	0300	10.23	1000	04-05	1100	16.27	3050
01-18	1745	15.58	2760	03-13	0600	9.62	856	04-05	1200	16.67	3220
01-18	1800	15.56	2760	03-13	0900	9.18	755	04-05	1500	16.95	3340
01-18	1900	15.53	2740	03-13	1200	8.87	686	04-05	1800	16.56	3170
01-18	2000	15.47	2720					04-05	2100	15.51	2740
01-18	2100	15.31	2660					04-05	2400	11.36	1310
01-18	2200	15.17	2600					04-06	0600	7.72	441
01-18	2300	15.01	2540					04-06	1200	6.89	232
01-18	2400	14.91	2500								
01-19	0600	14.40	2310								
01-19	1200	13.86	2110								
01-19	1800	13.97	2150								
01-19	2400	13.47	1980								
01-20	0600	11.10	1240								
01-20	1200	10.77	1150								
01-20	1800	10.23	1000								
01-20	2400	9.91	925								

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.

Maximum discharge at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Water year 2001 maximum			Period of record maximum		
			Date	Gage height (ft)	Dis- charge (ft ³ /s)	Date	Gage height (ft)	Dis- charge (ft ³ /s)
MOBILE RIVER BASIN								
Bull Mountain Creek near Tilden, MS (02432920)	Lat 34°10'48", long 88°18'41" in SW1/4 sec. 25, T.10 S., R.9 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101 on county highway, 2 mi east of Tilden. Drainage area is 274 mi ² .	1992-1997g, 2001	04-04-01	(b)	(t)	02-11-94	20.78	13,600
Town Creek at Tupelo, MS (02434000)	Lat 34°17'42", long 88°42'32" in SW1/4 SE1/4 sec. 18, T.9 S., R.6 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, on U.S. Highway 45, 0.5 mi north of city limits of Tupelo. Prior to 1971 at datum 0.40 ft higher. Drainage area is 111 mi ² .	1944-46+, 1952-70+, 1971-2001	04-03-01	23.27	11,200	03-21-55	27.72	23,000
Coonewah Creek at Shannon, MS (02435800)	Lat 34°08'21", long 88°43'09", in SE1/4 sec. 12, T.11 S., R.5 E., Chickasaw Meridian, Lee, County, Hydrologic Unit 03160102, on U.S. Highway 45, 1.0 mi north of Shannon and 4.5 mi upstream from mouth. Drainage area is 53.1 mi ² .	1953-2001	04-03-01	15.49	5,400	04-11-62	19.57	22,400
Chiwapa Creek at Shannon, MS (02436000)	Lat 34°06'38", long 88°43'19" in NE1/4 SE1/4 sec. 24, T.11 S., R.5 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, at bridge on U.S. Highway 45W at Shannon, and 0.7 mi above Gulf, Mobile, and Ohio Railroad bridge. Drainage area is 145 mi ² .	1952-67+, 1968-2001	02-16-01	9.72	9,940	03-21-55	15.72	35,500
Mattubby Creek near Aberdeen, MS (02437300)	Lat 33°52'13", long 88°35'46", in SE1/4 SE1/4 sec. 7, T.14 S., R.7E., 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. Drainage area is 92.2 mi ² .	1952-2001	01-20-01	94.12	11,500	12-21-90	95.27	14,600
Nichols Creek tributary near Quincy, MS (02437550)	Lat 33°54'18", long 88°21'02", in SE1/4 sec. 29, T.13 S., R.10 E., Huntsville Meridian, Monroe County, Hydrologic Unit 03160101, at culvert on U.S. Highway 278, 1.0 mi southeast of Quincy. Drainage area is 0.54 mi ² .	1967-2001	04-04-01	5.59	194	10-30-93	9.70	d630
James Creek at Aberdeen, MS (02437600)	Lat 33°48'48", long 88°33'51", in SW1/4 SE1/4 sec. 33, T.14 S., R.7 E. Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, at bridge on State Highway 25, 0.4 mi southwest of Aberdeen. Prior to Oct. 1988, at datum 10.00 ft higher. Drainage area is 28.4 mi ² .	1964-68+, 1969-2001	01-19-01	23.66	4,450	10-22-84	15.21	6,970
Chuquatonchee Creek near Okalona, MS (02439980)	Lat 34°00'08", long 88°52'52", in NE1/4 sec. 33, T.12 S., R.4 E., Chickasaw Meridian, Chickasaw County, Hydrologic Unit 03160104, at bridge on State Highway 32, 7.5 mi west of Okalona. Drainage area is 68.6 mi ² .	1963-68, 1969-80, 1984-86, 1988-2001	01-19-01	<8.20	(t)	03-16-73	16.93	15,000
Chuquatonchee Creek near Egypt, MS (02440000)	Lat 33°50'24", long 88°45'42", 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. Drainage area is 167 mi ² .	1952-73+, 1974-2001	01-19-01	14.27	12,100	03-16-73	16.61	36,300
Houlka Creek near McCondy MS (02440400)	Lat 33°47'07", long 88°15'17", in SE1/4 SW1/4 sec. 11, T.15 S., R.4 E., Chickasaw Meridian, Clay County, Hydrologic Unit 03160104, at bridge on State Highway 47, 2.8 mi south of McCondy. Drainage area is 189 mi ² .	1963-68+, 1969-2001	01-19-01	15.81	15,400	03-16-73	18.65	40,000

Crest-stage partial-record stations

Maximum discharge at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Water year 2001 maximum			Period of record maximum		
			Date	Gage height (ft)	Dis- charge (ft ³ /s)	Date	Gage height (ft)	Dis- charge (ft ³ /s)
MOBILE RIVER BASIN--Continued								
Line Creek near Maben, MS (02440600)	Lat 33°39'17", long 89°03'40", in S1/2 sec. 26 T.16 S., R.2 E., Chickasaw Meridian, Webster County, Hydrologic Unit 0316014, at bridge on State Highway 15, 1,000 ft below Gulf, Mobile, and Ohio Railroad, and 7.0 mi north of Maben. Drainage area is 4.76 mi ² .	1952-2001	01-18-01	<18.26	(†)	12-03-83	28.33	7,540
Trim Cane Creek near Starkville, MS (02440800)	Lat 33°28'09", long 88°54'29", in W1/2 sec. 25, 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. Drainage area is 44.9 mi ² .	1952-2001	d04-21-96 01-19-01	d<16.45 19.22	d<1,700 2,660	05-19-83	28.10	9,980
Sand Creek trib- utary, near Mayhew, MS (02441220)	Lat 33°28'38", long 88°43'23", on line between SW1/4 sec. 27 and NW1/4 sec. 34, T.19 N., R.15 E., Choctaw Meridian, Oktibbeha County, Hydrologic Unit 03160104, on U.S. Highway 82, 3.7 mi west of Hayhew. Drainage area is 0.44 mi ² .	1966-2001	03-13-01	4.53	100	04-27-84	8.75	395
Catalpa Creek at Mayhew, MS (02441300)	Lat 33°28'53", long 88°37'43", in NE1/4 SW1/4 sec. 28, T.19 N., R.15 E., Chowtaw Meridian, Oktibbeha County, Hydrologic Unit 03160104, at bridge on U.S. Highway 82, 0.5 mi east of Mayhew. Drainage area is 98.0 mi ² .	1963-68+, 1969-2001	01-19-01	15.99	5,070	04-13-79	21.52	19,800
Luxapallila Creek at Steens, MS (02443000)	Lat 33°33'37", long 88°18'55", in NE1/4 sec. 27, T.17 S., R.17 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160105, on county high- way 0.2 mi southeast of Steens. Drainage area is 309 mi ² .	1944-47+, 1950-77+, 1978-2001	06-09-01	16.43	5,200	01-06-49	19.20	16,000
Flat Scooba Creek tribu- tary near Scooba, MS (02448620)	Lat 32°50'26", long 88°28'07", in SE1/4 sec. 32, T.12 N., R.18 E., Choctaw Meridian, Kemper County, Hydrologic Unit 03160108, at culvert on U.S. Highway 45, 0.8 mi north of Scooba. Drainage area is 0.44 mi ² .	1967-2001	03-04-01	(b)	<72	04-12-79	8.87	427
PASCAGOULA RIVER BASIN								
Leaf River near Raleigh, MS (02471100)	Lat 32°00'43", long 89°25'57", in SE1/4 SE1/4 sec. 13, T.2 N., R.8 E., Chowtaw Meridian, Smith County, Hydologic Unit 03170004, at bridge on State Highway 18, 6.0 mi east of Raleigh. Drainage area is 143 mi ² .	1940-43c, 1957-2001	03-02-01	20.52	5,900	04-13-74	28.17	17,000
Leaf River at Taylorsville, MS (02471250)	Lat 31°49'41", long 89°24'26", 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. Drainage area is 459 mi ² .	1968-2001	03-03-01	41.67	7,917	04-14-74	57.44	37,600
Oakohay Creek at Mize, MS (02471500)	Lat 31°52'50", long 89°32'51", in NW1/4 sec. 6, T.10 N., R.15 W., St. Stephens Meridian, Smith County, Hydrologic Unit 03170004, on State Highway 28, at Mize. Drainage area is 185 mi ² .	1943-49+, 1968-2001	03-02-01	13.52	5,550	04-13-74	17.26	28,900
Bouie Creek near Sandford, MS (02472420)	Lat 31°28'19", long 89°31'18", in NE1/4 sec. 20, T.6 N., R.15 W., St. Stephens Meridian, Covington County, Hydrologic Unit 03170004 at bridge on State Highway 589, 5.0 mi southwest of junction with U.S. Highway 49. Drainage area is 262 mi ² .	1968-2001	03-03-01	26.52	15,500	04-13-74	32.22	a32,000

Crest-stage partial-record stations

Maximum discharge at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Water year 2001 maximum			Period of record maximum		
			Date	Gage height (ft)	Dis- charge (ft ³ /s)	Date	Gage height (ft)	Dis- charge (ft ³ /s)
PASCAGOULA RIVER BASIN--Continued								
Gordon Creek at Hattiesburg, MS (02473047)	Lat 31°19'41", long 89°18'05", in NW1/4 NE1/4 sec. 9, T.4 N., R.13 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170005, at bridge on Broad Street in Hattiesburg Drainage area is 8.83 mi ² .	1969-2001	06-11-01	10.90	3,240	04-06-83	16.89	6,920
Tallahattah Creek near Waldrup, MS (02473480)	Lat 31°51'42", long 89°05'12", in NW1/4 SE1/4 sec. 3, T.10 N., R.11 W., St. Stephens Meridian, Jasper County, Hydrologic Unit 03170005, on paved county road, 8.7 mi south of Waldrup. Drainage area is 30.4 mi ² .	1965-70+, 1971-2001	03-12-01	(b)	(t)	03-03-79	17.20	7,200
Tallahoma Creek tributary at Lake Como, MS (02473850)	Lat 31°57'43", long 89°12'19", on line between SE1/4 sec. 31, T.2 N., and NE1/4 sec. 6, T.1 N., R.11 E., Choctaw Meridian, Jasper County, Hydro- logic Unit 03170005, at culvert on State Highway 528, 0.5 mi east of Lake Como. Drainage area is 3.21 mi ² .	1966-2001	03-02-01	7.63	450	07-13-93	11.49	2,380
Buck Creek near Runnelstown, MS (02474650)	Lat 31°21'49", long 89°03'07", in SW1/4 SE1/4 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. Drainage area is 20.8 mi ² .	1951-2001	03-03-01	<9.14	<2,340	04-03-79	17.93	5,700
Thompson Creek at Richton, MS (02474800)	Lat 31°21'22", long 88°55'28", in NW1/4 sec. 32, T.5 N., R.9 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, at downstream side of bridge on State Highway 42, 0.7 mi east of Richton. Drainage area is 183 mi ² .	1998-2001	03-03-01	16.63	10,900	03-03-01	16.63	10,900
Waterfall Branch near McLain, MS (02475050)	Lat 31°07'08", long 88°45'17", in SW1/4 NE1/4 SE1/4 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. Drainage area is 0.65 mi ² .	1955-2001	06-11-01	6.86	266	06-01-59	11.71	764
Souinlovey Creek near Baxter, MS (02477050)	Lat 32°13'10", long 89°09'30", in NE1/4 sec. 35, T.1 N., R.11 E., Choctaw Meridian, Jasper County, Hydrologic Unit 03170002, at culvert on State Highway 15, 2.6 mi north of Baxter. Drainage area is 1.14 mi ² .	1965-2001	09-02-01	5.68	205	06-24-93	13.56	1,150
Shubuta Creek near Shubuta, MS (02477330)	Lat 31°53'07", long 88°44'21", in NW1/4 sec. 35, T.1 N., R.15 E., Choctaw Meridian, Clarke County, Hydrologic Unit 03170002, at county hightway, 1.5 mi northwest of Shubuta and 5.0 mi above mouth. Drainage are is 75.5 mi ² .	1963-2001	03-03-01	16.25	2,130	04-25-73	24.88	12,700
TCHOUTACABOUFFA RIVER BASIN								
Tuxachanie Creek near Biloxi, MS (02480500)	Lat 30°30'35", long 88°54'32", in SE1/4 sec. 20, T.6 S., R.9 W., St. Stephens Meridian, Harrison County, Hdrolologic Unit 03170009, at bridge on State Highway 15, 7.0 mi north of city limits of Biloxi. Drainage area is 92.4 mi ² .	1952-71+, 1972-2001	06-11-01	19.57	7,460	09-29-98	26.06	20,300
Tchoutacabouffa River at D'Iberville, MS (02480599)	Lat 30°27'35", long 88°53'53", in SE1/4 sec. 5, T.7 S., R.9 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, at State Highway 67, 0.5 mi north of I-10, at D'Iberville. Drainage area is 217 mi ² .	1998-2001	06-12-01	11.31	21,260	09-29-98	16.56	48,000

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Crest-stage partial-record stations

Maximum discharge at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Water year 2001 maximum			Period of record maximum		
			Date	Gage height (ft)	Dis- charge (ft ³ /s)	Date	Gage height (ft)	Dis- charge (ft ³ /s)
BILOXI RIVER BASIN								
Saucier Creek near Saucier, MS (02481045)	Lat 30°36'13", long 89°05'39", in SW1/4 sec. 16, T.5 S., R.11 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, at bridge on county road, 3.2 mi southeast of Saucier. Drainage area is 36.9 mi ² .	1998-2001	06-11-01	21.22	5,012	09-29-98	28.90	116,000
Biloxi River near Lyman, MS (02481130)	Lat 30°29'17", long 89°01'59", in SE1/4 SE1/4 sec. 25, T.6 S., R.11 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, on downstream side of right pier of bridge on county highway, 1.2 mi downstream from Little Biloxi River, 4.6 mi east of Lyman. Drainage area is 251 mi ² .	1965-2001	06-11-01	18.75	13,800	05-10-95	23.95	36,800
WOLF RIVER BASIN								
Wolf River near Poplarville, MS (02481400)	Lat 30°50'50", long 89°28'11", in NW1/4 sec. 26, T.2 S., R.15 W., St. Stephens Meridian, Pearl River County, Hydrologic Unit 03170009, at bridge on State Highway 26, 3.6 mi east of Poplarville. Drainage area is 72.6 mi ² .	1952-71, 1998-2001	06-12-01	28.35	3,780	12-10-61	32.87	12,800
JOURDAN RIVER BASIN								
Catahoula Creek near Picayune, MS (02481542)	Lat 30°31'00", long 89°32'10", in line between secs. 18 and 19, T.6 S., R.15 W., St. Stephens Meridian, Hancock County, Hydrologic Unit 03170009, at bridge on State Highway 43, 8.8 mi east of Picayune. Drainage is 32.1 mi ² .	1998-2001	03-03-01	17.02	4,590	03-03-01	17.02	4,590
Hickory Creek near Kiln, MS (02481550)	Lat 30°30'22", long 89°29'14", in SE1/4 sec. 21, T.6 S., R. 15 W., St Stephens Meridian, Hancock County, Hydrologic Unit 03170009, at bridge on State Highway 43, 8 mi north of Kiln. Drainage area is 60.9 mi ² .	1998-2001	03-03-01	22.92	12,400	01-07-98	23.25	113,200
PEARL RIVER BASIN								
Lobutchka Creek at Renfro, MS (02482470)	Lat 32°51'45", long 89°26'30", in SE1/4 sec. 26, T.12 N., R.8 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, at bridge on State Highway 25, 0.5 mi east of Renfro. Drainage area is 248 mi ² .	1999-2001	04-05-01	25.14	18,640	04-05-01	25.14	18,640
Yockanookany River trib- utary near McCool, MS (02483890)	Lat 33°10'06", long 89°25'29", in SW1/4 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. Drainage area is 0.34 mi ² .	1965-2001	01-19-01	4.60	189	02-20-91	7.73	540
Coffee Bogue at Ludlow, MS (02484600)	Lat 32°34'24", long 89°43'48", in NE1/4 sec. 1, T.8 N., R.5 E., Choctaw Meridian, Scott County, Hydrologic Unit 03180002, at bridge on county road, 1.0 mi west of Ludlow. Drainage area is 77.0 mi ² .	1975-2001	03-15-01	13.66	3,250	07-04-89	15.93	9,550
Red Cane Creek tributary near Pisgah, MS (02484750)	Lat 32°28'03", long 89°47'55", on line between NE1/4 sec. 8 and NW1/4 sec. 9, Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, at circular culvert on Highway 43, 4.1 mi east of Pisgah. Drainage area is 0.10 mi ² .	1965-2001	09-09-01	5.62	86	07-14-93	7.38	143
Fannegusha Creek near Sand Hill, MS (02484760)	Lat 32°30'21", long 89°48'46", in SW1/4 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. Drainage area is 52.3 mi ² .	1971-2001	03-15-01	10.68	2,060	04-12-80	13.35	9,000

Crest-stage partial-record stations

Maximum discharge at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Water year 2001 maximum		Period of record maximum			
			Date	Gage height (ft)	Dis- charge (ft ³ /s)	Date	Gage height (ft)	Dis- charge (ft ³ /s)
PEARL RIVER BASIN--Continued								
Purple Creek at Jackson, MS (02485650)	Lat 32°22'44", long 90°07'16", in NW 1/4 sec. 8, T.6 N., R.2 E., Choctaw Meridian, Hinds County, Hydrologic Road bridge in Jackson and 1.5 mi above mouth. Drainage area is 6.12 mi ² .	1952-2001	11-08-00	10.41	1,190	04-29-53	99.92	2,890
Three Mile Creek at Jackson, MS (02486115)	Lat 32°16'22", long 90°13'00", in NW1/4 SE1/4 sec. 17, T.5 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, at old U.S. Highway 51 (Terry Road), 0.6 mi above Illinois Central Railroad. Drainage area is 1.05 mi ² .	1962-2001	08-12-01	8.18	501	08-30-74	31.52	1,720
Strong River near Puckett, MS (02487300)	Lat 32°03'49", long 89°44'49", in SE1/4 SE1/4 sec. 26, T.3 N., R.4 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, at State Highway 18, 2.0 mi southeast of Puckett. Drainage area is 248 mi ² .	1955-2001	03-01-01	24.26	7,930	04-07-83	26.47	18,600
Dabbs Creek near Johns, MS (02487512)	Lat 32°09'24", long 89°53'23", NE1/4 SE1/4 sec. 28, T.4 N., R.4 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, at bridge on State Highway 18, 3.5 mi northwest of Johns. Drainage area is 7.33 mi ² .	1998-2001	07-27-01	23.55	409	01-30-99	25.28	d600
Copiah Creek near Hazlehurst, MS (02487900)	Lat 31°53'27", long 90°17'07", in SW1/4 SE1/4 sec. 27, T.1 N., R.1 W., Choctaw Meridian, Copiah County, Hydrologic Unit 03180003, at bridge on State Highway 28, 6.2 mi east of Hazlehurst. Drainage area is 47.4 mi ² .	1948-65, 1966-68+, 1969-2001	07-26-01	15.92	8,910	04-12-80	25.11	32,000
Silver Creek at Silver Creek, MS (2488600)	Lat 31°36'17", long 89°59'31", in NE1/4 sec. 3, T.7 N., R. 20 W., St Stephens Meridian, Lawrence County, Hydrologic Unit 03180003, at bridge on U.S. Highway 84, 0.3 mi east of Silver Creek. Drainage area is 123 mi ² .	1998-2001	03-02-01	16.23	11,900	03-02-01	16.23	11,900
Elmers Draw near Columbia, MS, (02489030)	Lat 31°12'00", long 89°57'57", in SE1/4 NW1/4 sec. 26, T.3 N., R.12 E., Washington Meridian, Marion County, Hydrologic Unit 03180004, at U.S. Highway 98, 5.7 mi west of Columbia. Prior to Oct. 1, 1964, at datum 1.12 ft higher. Drainage area is 0.91 mi ² .	1955-2001	03-04-01	6.85	(†)	04-06-83	16.22	1,620
MISSISSIPPI RIVER BASIN								
Wolf River near Springhill, MS (07030370)	Lat 34°56'48", long 89°11'39", in NE1/4 sec. 4, T.2 S., R.1 E., Chickasaw Meridian, Benton County, Hydrologic Unit 08010210, at bridge on U.S. Highway 72, 0.8 mi east of Scenic Route 5. Drainage area is 104 mi ² .	1999-2001	02-16-01	12.51	5,610	02-16-01	12.51	5,610
YAZOO RIVER BASIN								
Hell Creek near New Albany, MS (07267000)	Lat 34°31'06", long 89°02'49", in SW1/4 sec. 36, T.6 S., R.2 E., Chickasaw Meridian, Union County, Hydrologic Unit 08030201, at bridge on U.S. Highway 78, 3.0 mi north- west of New Albany, and 4.5 mi above mouth. Drainage area is 27.3 mi ² .	1939-42+, 1952-2001	02-28-01	12.08	4,350	12-26-82	13.50	8,420
Cypress Creek near Etta, MS (07268500)	Lat 34°26'32", long 89°17'15", in SE1/4 sec. 27, T.7 S., R.1 W., Chickasaw Meridian, Lafayette County, Hydrologic Unit 08030201, at bridge on State Highway 30, 4.5 mi south- west of Etta, and 5.0 mi above mouth. Prior to Oct. 1, 1964, at datum 10.00 ft higher. Drainage area is 28.5 mi ² .	1939-42+, 1952-2001	04-03-01	18.81	3,860	05-19-83	19.94	11,300

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Crest-stage partial-record stations

Maximum discharge at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Water year 2001 maximum		Period of record maximum			
			Date	Gage height (ft)	Dis- charge (ft ³ /s)	Date	Gage height (ft)	Dis- charge (ft ³ /s)
YAZOO RIVER BASIN--Continued								
North Tippah Creek near Ripley, MS (07269000)	Lat 34°44'00", long 89°01'24", in SW1/4 sec. 18, T.4 S., R.3 E., Chickasaw Meridian, Tippah County, Hydrologic Unit 08030201, at bridge on State Highway 4, 2.0 mi upstream from Tippah Creek, and 5.5 mi west of Ripley. Drainage area is 20.0 mi ² .	1939-42+, 1952-85, 1988-2001	02-16-01	13.87	2,300	04-12-79	21.60	(†)
Long Creek at Courtland, MS (07275500)	Lat 34°13'42", long 89°56'12", 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 Baatesville. Drainage area is 66.2 mi ² .	1940-43+, 1952-2001	06-17-01	18.54	11,000	05-28-54	25.02	38,300
Cane Creek at Vardaman, MS (07281965)	Lat 33°52'31", long 89°11'27", in NE1/4 SE1/4 sec. 9, T.14 N., R.1 E., Chickasaw Meridian, Calhoun County, Hydrologic Unit 08030205, at bridge on State Highway 8, 0.8 mi west of Vardaman. Drainage area is 25.1 mi ² .	1999-2001	01-23-99 03-01-01	27.57 22.50	d7,600 2,370	01-23-99	27.57	7,600
Long Creek near Cascilla, MS (07285700)	Lat 33°51'41", long 89°59'09", in SW1/4 SW1/4 NE1/4 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. Drainage area is 1.64 mi ² .	1965-2001	03-01-01	8.50	400	05-08-84	12.70	1,860
Fannegusha Creek near Tchula, MS (07287350)	Lat 33°10'04", long 90°10'10", in NE1/4 NW1/4 sec. 14, T.15 N., R.1 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08030206, on State Highway 12, east of Tchula. Drainage area is 103 mi ² .	1953-65e, 1968-2001	04-05-01	25.13	32,000	04-05-01	25.13	32,000
Piney Creek near Benton, MS (07287474)	Lat 32°50'57", long 90°14'10", in NW1/4 sec. 31, T.12 N., R.1 E., Choctaw Meridian, Yazoo County, Hydrologic Unit 08030206, at bridge on State Highway 433, 2.1 mi northeast of Benton. Drainage area is 12.9 mi ² .	1999-2001	01-18-01	7.68	2,120	04-03-00	11.30	4,440
BIG BLACK RIVER BASIN								
Hays Creek tributary No 1 near Vaiden, MS (07289265)	Lat 33°23'16", long 89°45'40", in SE1/4 SE1/4 SW1/4 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. Drainage area is 14.0 mi ² .	1960-74, 1976-2001	01-19-01	(b)	(†)	12-22-90	26.33	d3,670
Long Creek at Sallis, MS (07289450)	Lat 33°00'56", long 89°45'55", in NE1/4 sec. 3, T.13 N., R.5 E., Choctaw Meridian, Attala County, Hydrologic Unit 08060201, at bridge on State Highway 429, 0.3 mi south of Sallis. Drainage area is 42.1 mi ² .	1999-2001	04-05-01	25.14	14,100	04-05-01	25.14	14,100
Big Cypress Creek near Pickens, MS (07289504)	Lat 32°52'45", long 90°03'32", in SE1/4 sec. 14, T.12 N., R.2 E., Choctaw Meridian, Yazoo County, Hydrologic Unit 08060202, at bridge on state Highway 432, 5 mi west of Pickens. Drainage area is 58.4 mi ² .	1999-2001	04-05-01	17.55	5,170	05-08-00	17.73	5,460
Tilda Bogue near Canton, MS (07289600)	Lat 32°39'18", long 90°00'53", in SW1/4 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. Drainage area is 24.4 mi ² .	1948-2001	01-19-01	17.87	2,060	04-29-53	19.00	8,800

Crest-stage partial-record stations

Maximum discharge at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Water year 2001 maximum			Period of record maximum		
			Date	Gage height (ft)	Dis- charge (ft ³ /s)	Date	Gage height (ft)	Dis- charge (ft ³ /s)
BIG BLACK RIVER BASIN--Continued								
Walesheba Creek near Bentonina, MS (07289690)	Lat 32°41'06", long 90°18'19", in NW1/4 sec. 28, T.10 N., 1 W., Choctaw Meridian, Yazoo County, Hydrologic Unit 08060202, at bridge on State Highway 433, 2.8 mi southwest of Myrleville, and 5.6 mi east of Bentonina. Drainage are is 36.4 mi ² .	1966, 1998-2001	01-18-01	19.21	2,210	02-10-66	22.42	f10,500
Clear Creek near Bovina, MS (07290005)	Lat 32°21'45", long 90°43'40", in SW1/4 sec. 17, T.16 N., R.5 E., Washington Meridian, Warren County, Hydrologic Unit 08060202, on county road, 1.0 mi northeast of Bovina. Dainage area is 32.0 mi ² .	1953-2001	01-18-01	17.05	2,020	04-13-69	30.03	21,000
BAYOU PIERRE BASIN								
Bayou Pierre near Glancy, MS (07290250)	Lat 31°49'40", long 90°28'53", in NE1/4 sec. 22, T.10 N., R. 7 E., Washington Meridian, Copiah County, Hydrologic Unit 08060203, at bridge on State Highway 28, 1.2 mi northeast of Glancy. Drainage area is 122 mi ² .	1998-2001	03-02-01	18.88	18,100	03-02-01	18.88	18,100
Tallahalla Creek at Utica, MS (07290549.95)	Lat 32°01'04", long 90°52'37", in SW1/4 sec. 22, T.3 N., R. 4 W., Choctaw Meridian, Hinds County, Hydrologic Unit 08060203, at bridge on State Highway 27, 2.5 mi southeast of Utica. Drainage area is 72.0 mi ² .	1998-2001	03-02-01	19.40	6,570	01-22-98	22.19	d8,230
Clarks Creek near Pattison, MS (07290690)	Lat 31°53'36", long 90°50'31", in irregular sec. 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. Drainage area is 75.0 mi ² .	1961-62+, 1963-2001	03-02-01	21.23	11,900	04-12-80	27.90	31,000
COLES CREEK BASIN								
Little Creek near Fayette, MS (07290830)	Lat 31°40'30", long 91°04'10", in irregular sec. 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. Drainage area is 1.71 mi ² .	1967-2001	11-19-00	9.85	805	04-12-74	15.45	1,800
North Fork Coles Creek near Church Hill, MS (07290855)	Lat 31°46'45", long 91°10'00", in SW1/4 SE1/4 sec. 4, T.9 N., R.1 W., Washington Meridian, Jefferson County, Hydrologic Unit 08060204, at bridge on county road, 1.7 mi upstream of mouth and 0.6 mi northwest of Natchez Trace Parkway. Drainage area is 115 mi ² .	1999-2001	03-02-01	39.62	15,700	03-02-01	39.62	15,700
South Fork Coles Creek near Church Hill, MS (07290860)	Lat 31°44'53", long 91°10'44", in NE1/4 NW1/4 sec. 32, T.9 N., R.1 W., Washington Meridian, Jefferson County, Hydrologic Unit 08060204, at bridge on State Highway 553, 2.5 mi upstream of mouth and 0.3 mi west of Natchez Trace Parkway. Drainage area is 108 mi ² .	1999-2001	03-02-01	29.05	22,460	03-02-01	29.05	22,460
HOMOCHITTO RIVER BASIN								
McCall Creek near Lucien, MS (07291250)	Lat 31°30'54", long 90°38'53", in SW1/4 sec. 6, T.6 N., R.6 E., Washington Meridian, Franklin County, Hydrologic Unit 08060205, at U.S. Highway 84, 0.8 mi east of Lucien. Drainage area is 60.8 mi ² .	1953, 1955-2001	03-02-01	8.52	15,000	04-13-74	92.70	23,000

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Crest-stage partial-record stations

Maximum discharge at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Water year 2001 maximum		Period of record maximum			
			Date	Gage height (ft)	Dis- charge (ft ³ /s)	Date	Gage height (ft)	Dis- charge (ft ³ /s)
THOMPSON CREEK BASIN								
Moore's Branch near Woodville, MS (07373550)	Lat 31°05'15", long 91°14'31", in SE1/4 SW1/4 sec. 32, T.2 N., R.1 W., Washington Meridian, Wilkinson County, Hydrologic Unit 08070201, at State Highway 24, 3.3 mi east of Woodville. Prior to Oct. 1, 1964, at datum 0.88 ft lower. Drainage area is 0.21 mi ² .	1955-2001	01-19-01	3.53	121	03-24-73	9.90	455
MISSISSIPPI RIVER DELTA BASIN								
East Fork Amite River near Peoria, MS (07376680)	Lat 31°05'55", long 90°43'10", in NE1/4 sec. 32, T.2 N., R.5 E., Washington Meridian, Amite County, Hydrologic Unit 08070202, at bridge on State Highway 584, 6.7 mi southeast of Liberty and about 5 mi south of Peoria. Drainage area is 179 mi ² .	1990, 1998-2001	03-03-01	16.59	8,580	01-25-90	a21.10	f34,000

† Discharge not determined.

‡ Operated as a continuous-record gaging station.

a Approximately.

b High-water mark was not determined.

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

d Revised.

e Published at site near Howard, 3 mi downstream.

f Estimated.

g Operated as a flood-hydrograph station.

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 2001

Discharge measurements made at special study and miscellaneous sites during water year 2001						
Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Discharge Date	(ft ³ /s)
PASCAGOULA RIVER BASIN						
02480210 Pascagoula River at Hwy 90 at Pascagoula,MS	Pascagoula River	Lat 30°22'18", long 88°33'45" in sec. 7. T.8 S., R.6 W., St. Stephens Meridian, Jackson County, Hydrologic Unit 03170006, at bridge On U.S. Hwy 90, at Pascagoula, MS.	9,500	2000	03-07-01	60,100
02492395 Mill Creek near Carriere, MS	West Hobolochitto Creek	Lat 30°34'55", long 89°38'05", in SE1/4 sec.36, T.5 S., R.17 E., St. Stephens Meridian, Pearl River County, Hydrologic Unit 03180004, on private road, 2.8 mi southeast of Carriere, MS.	10.3	1987-90	06-13-00 10-21-00	0.190 0.220
02492400 Mill Creek below Hideway Lake	West Hobolochitto Creek	Lat 30°33'49", long 89°39'21", in SW1/4 sec. 36, T.5 S., R.17 W., St. Stephens Meridian, Pearl River County, Hydrologic Unit 03180004, on private road, 3.7 mi south of Carriere, MS.	12.4	1988-89	10-21-00	0.000
007288835 Main Canal at Archie Range Road near Swiftwater, MS	Steel Bayou	Lat 33°20'30", long 91°01'25", in corner of sections 8,9,14,15, T.17 N., R 8 W., Choctaw Meridian, Washington County, Hydrologic Unit 03030207, near Swiftwater, MS.	47.0	----	02-28-01	617

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at special study and miscellaneous sites during water year 2001

PASCAGOULA RIVER BASIN

02480190 Escatwapa River at Hwy 63 near Moss Point, MS

LOCATION.--Lat 30°25'08", long 88°31'10", in NW1/4 SE1/4 sec.19, T.7 S., R.5 W., St. Stephens Meridian, Jackson County, Hydrologic Unit 03170008, 0.6 mi north of Moss Point.

DRAINAGE AREA.--1,033 mi².

PERIOD OF RECORD.--September 11 at 1545 hours through September 12 at 1845 hours, 2001.

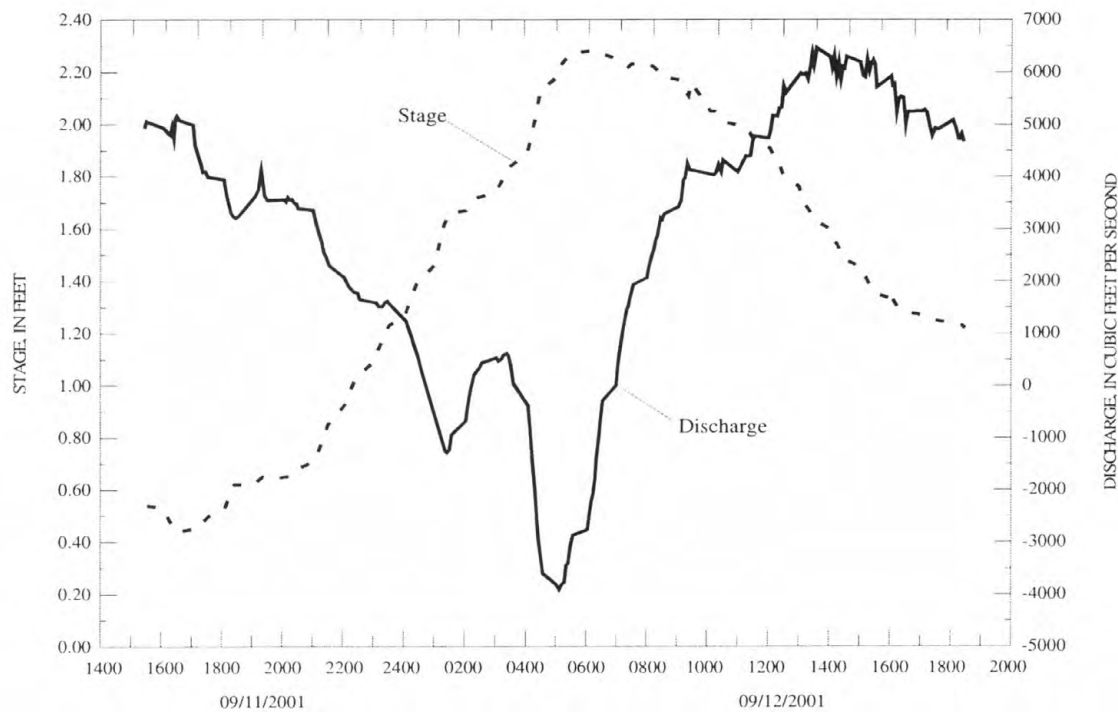
GAGE.--Temporary staff gage. Datum of gage was set at approximately NAVD 1988.

REMARKS.--Measurements of gage height and discharge were made approximately every 10 minutes through a complete 25-hour tidal cycle.

EXTREMES FOR PERIOD OF STUDY.--

GAGE HEIGHT: Maximum 2.3 ft, Sept. 12 at 0600 hours; minimum, 0.4 ft, Sept. 11 at 1650 hours; average, 1.5 ft.

DISCHARGE: Maximum 6,460 ft³/s, Sept. 12 at 1400 hours; minimum, -3,920 ft³/s, Sept. 12 at 0515 hours; average 2,610 ft³/s.



Short-term water-quality studies were conducted on selected stream reaches to collect water-quality data for use in hydrologic analyses.

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY

0728711610 UNKNOWN LAKE TRIBUTARY NO 1 NEAR SIDON, MS

LOCATION.--Lat 33°25'02", long 90°14'10", in SE¹/₄ SW¹/₄ sec.18, T.18 N., R.1 E., Choctaw Meridian, Leflore County, Hydrologic Unit 08030206, on tributary approximately 100 ft upstream of Unknown Lake (locally referred to as Deep Hollow Lake), approximately 0.3 mi southeast of Yazoo River levee at Sidon Cutoff, 1.5 mi west of Illinois Central Gulf Railroad, 0.7 mi north of Fish Lake, and 1.6 mi west-northwest of Sidon.

DRAINAGE AREA.--0.07 mi² (42.1 acres).

PERIOD OF RECORD.--Water years 1996 to current year.

INSTRUMENTATION.--Water-level recorder. Datum of gage is 116.42 ft above sea level. Automatic pumping water-quality and sediment samplers since April 1996.

REMARKS.--No estimated discharges. Discharge records good. Discharges during summer months may be due to irrigation. Unpublished records of gage height and discharge during selected storm events are available in files of District office. Occasionally, records of gage height and discharge were not computed due to backwater or malfunction of the instruments.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge not determined due to berm failure, May 2, 1997, gage height 2.43 ft before structural failure, maximum gage height, 4.10 ft due to backwater from Yazoo River occurred sometime during the period Mar. 4-13, 1997; no flow for many days during each year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 16.0 ft³/s, May 31, gage height, 2.32 ft; no flow for many days during year.

SELECTED RUNOFF EVENTS, 2001 WATER YEAR

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
11-24	0345	0.17	0.08	05-30	2345	0.00	--	08-31	0800	0.29	0.20
11-24	0400	.21	.11	05-30	2350	.44	0.44	08-31	0815	.52	.61
11-24	0430	.32	.24	05-30	2355	1.36	4.7	08-31	0830	.68	1.1
11-24	0500	.47	.50	05-30	2400	1.55	6.4	08-31	0845	.86	1.7
11-24	0530	.72	1.2	05-31	0005	2.17	14	08-31	0900	.93	2.1
11-24	0600	.97	2.3	05-31	0010	2.26	15	08-31	0915	1.07	2.8
11-24	0630	1.14	3.2	05-31	0015	2.25	15	08-31	0920	1.18	3.5
11-24	0700	1.22	3.7	05-31	0020	2.31	16	08-31	0925	1.26	4.0
11-24	0730	1.28	4.1	05-31	0025	2.31	16	08-31	0930	1.28	4.1
11-24	0800	1.25	3.9	05-31	0030	2.30	16	08-31	0935	1.36	4.7
11-24	0830	1.22	3.7	05-31	0045	2.28	16	08-31	0940	1.37	4.8
11-24	0900	1.30	4.3	05-31	0100	2.24	15	08-31	0945	1.37	4.8
11-24	0930	1.56	6.5	05-31	0115	2.18	14	08-31	0950	1.34	4.6
11-24	1000	1.70	7.9	05-31	0130	2.08	13	08-31	0955	1.29	4.2
11-24	1015	1.72	8.1	05-31	0145	1.82	9.2	08-31	1000	1.28	4.1
11-24	1030	1.70	7.9	05-31	0200	.86	1.7	08-31	1005	1.21	3.7
11-24	1100	1.69	7.8	05-31	0215	.69	1.1	08-31	1010	1.17	3.4
11-24	1130	1.64	7.2	05-31	0230	.49	.54	08-31	1015	1.10	3.0
11-24	1200	1.51	6.0	05-31	0245	.30	.21	08-31	1020	1.06	2.7
11-24	1230	1.38	4.9	05-31	0300	.21	.11	08-31	1025	.96	2.2
11-24	1300	1.26	4.0	05-31	0315	.14	.05	08-31	1030	.88	1.8
11-24	1330	1.18	3.5					08-31	1045	.63	.91
11-24	1400	1.05	2.7					08-31	1100	.25	.15
11-24	1430	.91	2.0					08-31	1115	.18	.08
11-24	1500	.76	1.3								
11-24	1600	.48	.52								
11-24	1700	.41	.38								

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728711610 UNKNOWN LAKE TRIBUTARY NO 1 NEAR SIDON, MS--Continued

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ENDING TIME	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ANILINE 3- (TRI FLURO- METHYL) FILT, REC, (UG/L) (50307)
NOV												
24-24	0421	1913	.060	4.3	3.60	.010	.120	1.40	5.7	<.050	<.050	<.050
DEC												
13-13	1451	1917	.034	8.6	2.00	<.010	.090	1.60	6.0	<.050	<.050	<.050
DEC												
15-15	1441	2033	.049	5.3	4.60	<.010	.090	.950	4.1	<.050	<.050	<.050
JAN												
18-19	1253	0134	<.010	4.5	.660	<.010	.040	1.30	5.4	<.050	<.050	<.050
JAN												
29-29	1200	1538	.028	1.2	.660	<.010	.070	3.20	7.4	<.050	<.050	<.050
FEB												
09-09	1345	1500	--	--	--	--	--	--	--	--	--	--
FEB												
11-12	1828	1224	<.010	2.8	.880	<.010	.090	.950	3.7	<.050	<.050	<.050
FEB												
16-16	0218	0446	--	--	--	--	--	--	--	--	--	--
FEB												
16-16	1113	1527	<.010	8.5	.320	<.010	.110	2.80	6.4	<.050	<.050	<.050
FEB												
24-25	2044	0349	.084	11	.720	<.010	.040	3.20	8.5	--	--	--
FEB												
27-28	1013	0616	.011	--	.280	<.010	.060	1.40	6.3	--	--	--
MAR												
02-02	0044	1423	.022	2.5	.370	<.010	.060	.750	6.2	--	--	--
MAR												
02-02	1821	2109	.018	2.7	.230	<.010	.070	.920	6.4	--	--	--
MAR												
12-12	0400	1316	.018	4.8	.180	<.010	.070	1.40	7.4	--	--	--
MAR												
14-15	1845	0348	.108	4.8	.150	<.010	.070	1.40	8.2	--	--	--
APR												
04-05	2025	0116	.075	14	1.90	<.010	.040	4.20	6.8	--	--	--
APR												
12-12	1438	1551	.082	8.3	1.30	<.010	.050	1.70	8.5	--	--	--
APR												
14-14	1631	1951	.206	7.0	4.20	.020	.060	1.80	9.3	<.050	<.050	<.050
MAY												
21-21	0700	0832	--	--	--	--	--	--	--	--	--	--
MAY												
21-22	2007	0027	.528	21	2.60	.060	.140	6.30	6.6	<.050	<.050	.330
MAY												
27-27	1340	1455	.478	17	1.10	.030	.140	4.10	4.9	--	--	--
MAY												
28-28	0205	0234	--	--	--	--	--	--	--	--	--	--
MAY												
30-31	2347	0247	.294	12	2.60	.020	.080	2.70	11	--	--	--
MAY												
31-31	1020	1105	--	--	--	--	--	--	--	--	--	--
JUN												
04-04	1943	2223	.182	8.9	.990	.010	.100	2.20	3.1	--	--	--
JUN												
05-05	1815	2001	.140	9.5	1.30	.020	.080	2.30	3.9	--	--	--
JUN												
29-29	1815	2000	--	--	--	--	--	--	--	--	--	--
JUN												
30-30	1830	1851	--	--	--	--	--	--	--	--	--	--
JUL												
04-04	1714	1753	--	--	--	--	--	--	--	--	--	--
JUL												
09-10	1543	0732	--	--	--	--	--	--	--	--	--	--
JUL												
12-12	1445	1520	--	--	--	--	--	--	--	--	--	--
AUG												
10-10	1215	1405	--	--	--	--	--	--	--	--	--	--
AUG												
16-16	1505	1605	--	--	--	--	--	--	--	--	--	--
AUG												
18-18	1026	1144	--	--	--	--	--	--	--	--	--	--
AUG												
19-19	2001	2133	--	--	--	--	--	--	--	--	--	--
AUG												
27-28	2201	0002	--	--	--	--	--	--	--	--	--	--
AUG												
31-31	0800	1219	.280	3.5	.940	.060	.450	1.30	4.1	--	--	--
SEP												
01-01	0920	1428	.100	2.0	.720	.010	.530	.920	4.1	--	--	--
SEP												
02-02	1149	1448	--	--	--	--	--	--	--	--	--	--
SEP												
06-06	1930	2045	--	--	--	--	--	--	--	--	--	--

Remark Codes:

< -- Less than

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728711610 UNKNOWN LAKE TRIBUTARY NO 1 NEAR SIDON, MS--Continued

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	CYANA- AMIDE WATER, FLTRD REC (UG/L) (61709)	DEETHYL ZINE, WATER, DISS, REC (UG/L) (04040)	DEISO- PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DEISO- PROPYL METRYN WATER, FLTRD REC (UG/L) (50378)	DEMETH- YLFLUO- METURON WATER, FLTRD REC (UG/L) (50379)	DEMETH- YLNORF- LURAZON WATER, FLTRD REC (UG/L) (50380)	FLUO- MET- URON WATER, FLTRD REC (UG/L) (61710)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN WATER DISSOLV (UG/L) (82630)	MOLI- NATE WATER FLTRD REC (UG/L) (50375)
NOV												
24-24	<.050	<.050	.690	<.050	<.05	<.050	.100	<.050	.580	<.050	<.050	<.050
DEC												
13-13	<.050	<.050	<.050	<.050	<.05	<.050	<.050	<.050	.160	<.050	<.050	<.050
DEC												
15-15	<.050	<.050	<.050	<.050	<.05	<.050	.160	<.050	.320	<.050	<.050	<.050
JAN												
18-19	<.050	<.050	<.050	<.050	<.05	<.050	.190	<.050	.140	<.050	<.050	<.050
JAN												
29-29	<.050	.050	<.050	<.050	.10	<.050	.360	.120	.250	<.050	<.050	<.050
FEB												
09-09	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
11-12	<.050	<.050	<.050	<.050	.06	<.050	.080	<.050	.070	<.050	<.050	<.050
FEB												
16-16	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
16-16	<.050	<.050	<.050	<.050	.07	<.050	.170	.060	.090	<.050	<.050	<.050
FEB												
24-25	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
27-28	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
02-02	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
02-02	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
12-12	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
14-15	--	--	--	--	--	--	--	--	--	--	--	--
APR												
04-05	--	--	--	--	--	--	--	--	--	--	--	--
APR												
12-12	--	--	--	--	--	--	--	--	--	--	--	--
APR												
14-14	.080	<.050	.290	<.050	.14	<.050	.610	.590	.320	<.050	<.050	<.050
MAY												
21-21	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
21-22	.170	<.050	.050	<.050	.44	<.050	4.18	<.050	16.0	<.050	<.050	.050
MAY												
27-27	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
28-28	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
30-31	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
31-31	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
04-04	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
05-05	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
29-29	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
30-30	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
04-04	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
09-10	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
12-12	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
10-10	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
16-16	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
18-18	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
19-19	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
27-28	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
31-31	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
01-01	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
02-02	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
06-06	--	--	--	--	--	--	--	--	--	--	--	--

Remark Codes:

< -- Less than

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728711610 UNKNOWN LAKE TRIBUTARY NO 1 NEAR SIDON, MS--Continued

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	NORFLU- RAZONE WATER FLTRD REC (UG/L) (50332)	PENDI- METH- ALIN WATER FLTRD REC (UG/L) (50376)	PRO- METRYN, WATER, DISS, REC (UG/L) (04036)	PROP- ANIL WATER FLTRD REC (UG/L) (50377)	PROP- AZINE WATER DISS, REC (UG/L) (38535)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	TRI- FLUR- ALIN WATER, DISS, REC (UG/L) (38574)	UREA, 3-TRI- FLURO- METHYL- PHENYL UNFLTRD (UG/L) (50473)	SEDI- MENT, SUS- PENDE (MG/L) (80154)
NOV									
24-24	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	1500
DEC									
13-13	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	3670
DEC									
15-15	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	1940
JAN									
18-19	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	1830
JAN									
29-29	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	4540
FEB									
09-09	--	--	--	--	--	--	--	--	4610
FEB									
11-12	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	1110
FEB									
16-16	--	--	--	--	--	--	--	--	1790
FEB									
16-16	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	4380
FEB									
24-25	--	--	--	--	--	--	--	--	5100
FEB									
27-28	--	--	--	--	--	--	--	--	1880
MAR									
02-02	--	--	--	--	--	--	--	--	1000
MAR									
02-02	--	--	--	--	--	--	--	--	1200
MAR									
12-12	--	--	--	--	--	--	--	--	2610
MAR									
14-15	--	--	--	--	--	--	--	--	2040
APR									
04-05	--	--	--	--	--	--	--	--	9650
APR									
12-12	--	--	--	--	--	--	--	--	3930
APR									
14-14	.070	<.050	<.05	<.050	<.05	<.050	<.05	<.050	3840
MAY									
21-21	--	--	--	--	--	--	--	--	13400
MAY									
21-22	<.050	<.050	<.05	<.050	<.05	<.050	<.05	.360	10200
MAY									
27-27	--	--	--	--	--	--	--	--	9350
MAY									
28-28	--	--	--	--	--	--	--	--	2800
MAY									
30-31	--	--	--	--	--	--	--	--	5610
MAY									
31-31	--	--	--	--	--	--	--	--	12500
JUN									
04-04	--	--	--	--	--	--	--	--	4160
JUN									
05-05	--	--	--	--	--	--	--	--	4930
JUN									
29-29	--	--	--	--	--	--	--	--	6360
JUN									
30-30	--	--	--	--	--	--	--	--	3560
JUL									
04-04	--	--	--	--	--	--	--	--	9150
JUL									
09-10	--	--	--	--	--	--	--	--	1050
JUL									
12-12	--	--	--	--	--	--	--	--	7150
AUG									
10-10	--	--	--	--	--	--	--	--	2640
AUG									
16-16	--	--	--	--	--	--	--	--	3450
AUG									
18-18	--	--	--	--	--	--	--	--	3190
AUG									
19-19	--	--	--	--	--	--	--	--	2930
AUG									
27-28	--	--	--	--	--	--	--	--	2680
AUG									
31-31	--	--	--	--	--	--	--	--	1070
SEP									
01-01	--	--	--	--	--	--	--	--	440
SEP									
02-02	--	--	--	--	--	--	--	--	320
SEP									
06-06	--	--	--	--	--	--	--	--	990

Remark Codes:

< -- Less than

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728711620 UNKNOWN LAKE TRIBUTARY NO 2 NEAR SIDON, MS

LOCATION.--Lat 33°24'33", long 90°14'18", in SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.19, T.18 N., R.1 E., Choctaw Meridian, Leflore County, Hydrologic Unit 08030206, on tributary approximately 50 ft upstream of Unknown Lake (locally referred to as Deep Hollow Lake), approximately 0.6 mi southeast of Yazoo River levee at Sidon Cutoff, 1.6 mi west of Illinois Central Gulf Railroad, 0.1 mi north of Fish Lake, and 1.5 mi west of Sidon.

DRAINAGE AREA.--0.04 mi² (25.4 acres).

PERIOD OF RECORD.--Water years 1996 to current year.

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 120.50 ft above sea level. Automatic pumping water-quality and sediment samplers since March 1996.

REMARKS.--No estimated discharges. Discharge records good. Discharges during summer months may be due to irrigation. Unpublished records of gage height and discharge during selected storm events are available in files of District office. Occasionally, records of gage height and discharge were not computed due to backwater or malfunction of the instruments.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 27 ft³/s, Jan. 29, 1999, gage height, 2.09 ft; no flow for many days during each year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 9.9 ft³/s, Mar. 12, gage height, 1.23 ft; no flow for many days during year.

SELECTED RUNOFF EVENTS, 2001 WATER YEAR

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
12-27	0200	0.20	0.68	03-12	0630	0.24	0.90	09-02	0800	0.04	--
12-27	0215	.28	1.1	03-12	0700	.39	1.9	09-02	0815	.26	1.0
12-27	0230	.40	2.0	03-12	0730	.54	3.2	09-02	0830	.44	2.3
12-27	0245	.52	3.0	03-12	0800	.70	4.6	09-02	0845	.48	2.6
12-27	0300	.64	4.1	03-12	0815	.79	5.4	09-02	0900	.58	3.5
12-27	0315	.75	5.0	03-12	0830	.83	5.7	09-02	0915	.70	4.6
12-27	0330	.84	5.8	03-12	0845	.87	6.0	09-02	0930	.86	6.0
12-27	0345	.91	6.4	03-12	0900	.99	7.1	09-02	0945	.93	6.6
12-27	0400	.94	6.7	03-12	0915	1.10	8.2	09-02	1000	.96	6.8
12-27	0415	.97	6.9	03-12	0930	1.17	9.0	09-02	1015	.96	6.8
12-27	0430	.96	6.8	03-12	0945	1.21	9.6	09-02	1030	.94	6.7
12-27	0445	.95	6.8	03-12	1000	1.23	9.9	09-02	1045	.89	6.2
12-27	0500	.94	6.7	03-12	1015	1.21	9.6	09-02	1100	.83	5.7
12-27	0515	.93	6.6	03-12	1030	1.17	9.0	09-02	1115	.75	5.0
12-27	0530	.92	6.5	03-12	1045	1.12	8.4	09-02	1130	.67	4.3
12-27	0545	.90	6.3	03-12	1100	1.05	7.7	09-02	1145	.57	3.4
12-27	0600	.88	6.1	03-12	1115	.98	7.0	09-02	1200	.51	2.9
12-27	0630	.82	5.6	03-12	1130	.89	6.2	09-02	1215	.45	2.4
12-27	0700	.71	4.7	03-12	1200	.61	3.8	09-02	1230	.41	2.1
12-27	0730	.62	3.9	03-12	1230	.25	.95	09-02	1245	.37	1.8
12-27	0800	.55	3.2	03-12	1300	.17	.52	09-02	1300	.33	1.5
12-27	0830	.38	1.8					09-02	1330	.26	1.0
12-27	0900	.28	1.1					09-02	1400	.21	.73
12-27	0930	.22	.78								

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728711620 UNKNOWN LAKE TRIBUTARY NO 2 NEAR SIDON, MS--Continued

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ENDING TIME	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ANILINE 3-(TRI- FLURO- METHYL) FILT, REC, (UG/L) (50307)
DEC 27-27	0221	0824	.076	2.6	.980	<.010	.370	.670	8.3	<.050	<.050	<.050
JAN 17-18	0827	0709	.018	1.8	1.10	<.010	.190	.840	6.0	<.050	<.050	<.050
JAN 18-18	1415	2234	<.010	2.0	.660	<.010	.170	.830	5.3	<.050	<.050	<.050
FEB 12-12	0732	2039	<.010	1.4	.260	<.010	.220	.640	4.2	<.050	<.050	<.050
FEB 16-16	1123	1240	.038	4.3	.210	<.010	.180	1.70	8.2	<.050	<.050	<.050
FEB 27-27	1055	1808	.040	3.6	.090	<.010	.200	1.20	6.2	--	--	--
MAR 02-02	0859	2218	.018	1.5	.060	<.010	.130	.560	5.7	--	--	--
MAR 12-12	0650	1225	<.010	2.3	.190	<.010	.250	.940	7.3	--	--	--
MAR 14-15	2007	0148	.011	2.3	.040	<.010	.130	.850	3.7	--	--	--
MAY 21-21	2022	2155	.720	10	6.70	.070	.220	3.30	7.5	--	--	--
MAY 27-27	1356	1458	--	--	--	--	--	--	--	--	--	--
MAY 30-31	2355	0235	.283	7.5	6.20	.030	.130	2.20	8.5	--	--	--
MAY 31-31	1033	1123	--	--	--	--	--	--	--	--	--	--
JUN 04-04	1950	2208	.105	5.7	1.80	.010	.160	1.70	4.1	--	--	--
JUN 05-05	1818	1946	.053	7.7	1.80	.020	.140	2.30	5.3	--	--	--
JUN 29-29	1823	1910	--	--	--	--	--	--	--	--	--	--
JUL 13-13	0228	0543	<.010	4.0	2.80	.010	.150	1.30	2.7	--	--	--
SEP 01-01	0945	1401	.070	1.6	1.10	.020	.620	.880	5.4	--	--	--
SEP 02-02	0820	1247	.080	1.5	.510	.020	.540	.820	5.0	--	--	--

Remark Codes:

< -- Less than

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728711620 UNKNOWN LAKE TRIBUTARY NO 2 NEAR SIDON, MS--Continued

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	CYANA- ZINE- AMIDE WATER FLTRD REC (UG/L) (61709)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DEISO- PROPYL WATER, DISS, REC (UG/L) (04038)	DEISO- PROPYL- WATER FLTRD REC (UG/L) (50378)	DEMETH- YLFLUO- WATER FLTRD REC (UG/L) (50379)	DEMETH- YLNOF- WATER FLTRD REC (UG/L) (50380)	FLUO- MET- URON WATER FLTRD REC (UG/L) (61710)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN WATER DISSOLV (UG/L) (82630)	MOLI- NATE WATER FLTRD REC (UG/L) (50375)
DEC												
27-27	<.050	<.050	.380	<.050	<.05	<.050	.120	<.050	.080	<.050	<.050	<.050
JAN												
17-18	<.050	<.050	.640	<.050	.15	<.050	.280	.180	.140	<.050	<.050	<.050
JAN												
18-18	<.050	<.050	<.050	<.050	.06	<.050	.080	<.050	.090	<.050	<.050	<.050
FEB												
12-12	<.050	<.050	<.050	<.050	.08	<.050	.170	.080	<.050	<.050	<.050	<.050
FEB												
16-16	<.050	.060	<.050	<.050	.19	<.050	.260	.210	.060	<.050	<.050	<.050
FEB												
27-27	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
02-02	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
12-12	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
14-15	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
21-21	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
27-27	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
30-31	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
31-31	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
04-04	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
05-05	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
29-29	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
13-13	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
01-01	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
02-02	--	--	--	--	--	--	--	--	--	--	--	--

Remark Codes:
 < -- Less than

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728711620 UNKNOWN LAKE TRIBUTARY NO 2 NEAR SIDON, MS--Continued

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	NORFLU- RAZONE WATER FLTRD REC (UG/L) (50332)	PENDI- METH- ALIN WATER FLTRD REC (UG/L) (50376)	PRO- METRYN, WATER, DISS, REC (UG/L) (04036)	PROP- ANIL WATER FLTRD REC (UG/L) (50377)	PROP- AZINE WATER DISS REC (UG/L) (38535)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	TRI- FLUR- ALIN WATER, DISS, REC (UG/L) (38574)	UREA, 3-TRI- FLUORO- METHYL- PHENYL UNFLTRD (UG/L) (50473)	SEDI- MENT, SUS- PENDEDED (MG/L) (80154)
DEC 27-27	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	643
JAN 17-18	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	398
JAN 18-18	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	515
FEB 12-12	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	266
FEB 16-16	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	1770
FEB 27-27	--	--	--	--	--	--	--	--	846
MAR 02-02	--	--	--	--	--	--	--	--	382
MAR 12-12	--	--	--	--	--	--	--	--	695
MAR 14-15	--	--	--	--	--	--	--	--	530
MAY 21-21	--	--	--	--	--	--	--	--	3220
MAY 27-27	--	--	--	--	--	--	--	--	3580
MAY 30-31	--	--	--	--	--	--	--	--	2750
MAY 31-31	--	--	--	--	--	--	--	--	3840
JUN 04-04	--	--	--	--	--	--	--	--	1990
JUN 05-05	--	--	--	--	--	--	--	--	2960
JUN 29-29	--	--	--	--	--	--	--	--	3580
JUL 13-13	--	--	--	--	--	--	--	--	1490
SEP 01-01	--	--	--	--	--	--	--	--	215
SEP 02-02	--	--	--	--	--	--	--	--	205

Remark Codes:
 < -- Less than

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728711620 UNKNOWN LAKE TRIBUTARY NO 2 NEAR SIDON, MS--Continued

DISCRETE SAMPLE DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDED (MG/L) (80154)
NOV				FEB			
24...	0529	1.6	355	12...	0732	1.5	406
24...	0620	2.1	361	12...	0835	2.2	348
24...	0712	2.5	387	12...	0923	3.0	353
24...	0758	2.7	388	12...	1001	3.7	326
24...	0843	3.2	362	12...	1035	3.8	292
24...	0915	4.8	367	12...	1111	3.5	242
24...	0940	5.5	375	12...	1153	2.5	221
24...	1004	5.7	354	12...	1302	1.6	233
24...	1027	5.8	326	12...	1359	2.3	238
24...	1050	5.6	311	12...	1445	3.5	228
24...	1114	5.4	352	12...	1519	4.4	267
24...	1139	5.1	336	12...	1546	5.3	290
24...	1208	4.2	312	12...	1610	5.5	301
24...	1244	3.2	311	12...	1634	5.7	257
24...	1329	2.3	272	12...	1658	5.5	286
24...	1416	1.6	253	12...	1722	5.2	245
DEC				12...	1749	4.7	237
13...	1530	1.5	610	12...	1820	4.0	251
13...	1602	3.3	617	12...	1858	2.9	232
13...	1634	4.6	639	12...	1944	2.6	253
13...	1703	4.5	738	12...	2039	1.7	221
13...	1735	3.6	569	16...	1123	1.4	1870
13...	1821	2.0	523	16...	1200	5.3	2040
13...	1833	1.6	508	16...	1221	6.8	1480
15...	1519	1.5	1080	16...	1240	7.4	1660
15...	1610	3.6	830	27...	1037	1.5	2590
15...	1644	3.7	614	27...	1108	5.3	2680
15...	1728	2.1	479	27...	1130	6.7	1860
27...	0221	1.5	773	27...	1149	7.3	1270
27...	0251	3.4	870	27...	1207	7.6	974
27...	0320	5.4	798	27...	1224	7.6	742
27...	0343	6.4	695	27...	1242	7.4	624
27...	0403	6.8	616	27...	1301	6.9	574
27...	0422	6.8	566	27...	1321	6.3	501
27...	0442	6.8	493	27...	1344	5.4	543
27...	0502	6.7	468	27...	1413	3.9	540
27...	0522	6.5	409	27...	1455	2.4	538
27...	0543	6.3	504	27...	1624	1.5	580
27...	0607	6.0	522	27...	1710	2.4	618
27...	0631	5.5	457	27...	1808	1.6	441
				MAR			
27...	0701	4.7	395	02...	0859	1.6	498
27...	0741	3.2	437	02...	0938	2.0	453
27...	0833	1.8	440	02...	1024	1.6	496
JAN				02...	1103	1.6	301
17...	0827	1.5	586	02...	1146	3.0	428
17...	0913	2.2	532	02...	1220	4.6	487
17...	1009	2.1	477	02...	1247	4.8	382
18...	0032	1.6	493	02...	1317	4.0	312
18...	0132	3.6	420	02...	1400	2.1	315
18...	0156	4.7	393	02...	1413	1.7	285
18...	0222	5.4	369	02...	1857	1.5	548
18...	0245	5.8	385	02...	1926	4.0	715
18...	0308	5.7	364	02...	1954	5.0	515
18...	0333	5.1	380	02...	2019	5.4	339
18...	0403	3.8	355	02...	2044	5.4	276
18...	0442	3.4	443	02...	2111	4.6	264
18...	0513	4.8	542	02...	2146	2.6	242
18...	0540	4.8	494	03...	1109	1.6	398
18...	0609	4.2	432	03...	1145	1.8	353
18...	0645	3.1	422	03...	1211	1.6	268
18...	0734	1.6	400	12...	0650	1.5	712
18...	1415	1.5	452	12...	0736	3.4	687
18...	1448	2.9	528	12...	0807	5.0	574
18...	1532	4.8	480	12...	0831	5.7	551
18...	1558	5.4	484	12...	0853	6.6	442
18...	1622	5.5	485	12...	0911	8.0	543
18...	1647	5.4	515	12...	0927	8.9	826
18...	1712	5.0	487	12...	0941	9.4	1000
18...	1738	5.4	574	12...	0955	9.7	1330
18...	1802	5.7	630	12...	1009	9.7	1230
18...	1825	6.2	658	12...	1023	9.3	1060
18...	1845	6.6	697	12...	1038	8.8	732
18...	1906	6.7	720	12...	1054	8.0	619
18...	1926	6.3	659	12...	1111	7.3	408
18...	1948	5.9	582	12...	1131	6.2	376
18...	2012	5.3	531	12...	1157	4.2	380
18...	2040	4.6	530	14...	2006	1.5	834
18...	2109	4.4	658	14...	2037	3.5	949
18...	2140	4.1	644	14...	2106	5.2	765
18...	2214	3.5	488				

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728711620 UNKNOWN LAKE TRIBUTARY NO 2 NEAR SIDON, MS--Continued

DISCRETE SAMPLE DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDED (MG/L) (80154)
MAR				JUN			
14...	2130	5.5	575	04...	1949	.95	7450
14...	2155	5.3	457	04...	2012	8.0	4160
14...	2223	4.2	374	04...	2028	8.6	1880
14...	2308	1.7	321	04...	2044	8.0	1080
15...	0108	1.6	371	04...	2102	7.0	737
15...	0148	1.7	323	04...	2123	5.7	672
APR				05...	1816	.78	5260
04...	2030	1.3	1120	05...	1837	7.9	5130
04...	2100	5.4	776	05...	1853	8.3	2930
04...	2121	7.1	534	05...	1911	7.4	1890
04...	2139	7.3	1190	05...	1931	5.9	1350
04...	2157	7.3	1940	29...	1821	1.2	4250
04...	2216	6.9	1600	JUL			
04...	2237	6.0	931	13...	0226	1.3	5180
04...	2303	4.3	668	13...	0249	8.0	3500
12...	1509	1.3	585	13...	0305	8.4	1530
12...	1548	2.8	961	13...	0321	8.0	740
12...	1636	2.0	489	13...	0339	7.0	472
14...	1646	1.4	519	13...	0401	5.4	366
14...	1721	3.7	756	SEP			
14...	1756	3.4	415	01...	0942	1.3	1090
MAY				01...	1012	2.4	579
21...	2020	.95	6040	01...	1057	3.2	266
21...	2047	5.5	3980	01...	1136	3.4	166
21...	2114	4.2	1650	01...	1212	3.5	121
27...	1356	1.2	5730	01...	1249	3.5	96
27...	1458	.43	2160	01...	1330	2.6	100
30...	2353	.73	7710	02...	0818	1.4	755
31...	0016	8.0	5560	02...	0848	2.8	479
31...	0032	8.4	2860	02...	0921	5.3	252
31...	0048	7.7	1800	02...	0943	6.6	171
31...	0107	6.7	1340	02...	1002	6.8	147
31...	0131	4.8	1080	02...	1022	6.8	181
31...	1031	1.3	5340	02...	1042	6.3	118
31...	1056	3.2	2600	02...	1118	4.9	73
				02...	1152	3.2	106
				02...	1244	1.8	82
				02...	1249	1.7	84

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862104 BEASLEY LAKE TRIBUTARY NO 3 NEAR INDIANOLA, MS

LOCATION.--Lat 33°24'15", long 90°40'05", in SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.13, T.18 N., R.5 W., Choctaw Meridian, Sunflower County, Hydrologic Unit 08030207, on tributary approximately 300 ft upstream of Beasley Lake, approximately 0.15 mi south of Big Sunflower River levee, and 2.5 mi southwest of Indianola.

DRAINAGE AREA.--0.03 mi² (17.8 acres).

PERIOD OF RECORD.--Water years 1996 to current year.

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 104.61 ft above sea level. Automatic pumping water-quality and sediment samplers since September 1996.

REMARKS.--No estimated discharges. Discharge records fair. Unpublished records of gage height and discharge during selected storm events are available in files of District office. Occasionally, records of gage height and discharge were not computed due to backwater or malfunction of the instruments.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 13 ft³/_s on several days in water years 1997, 1998, 2000, and 2001, gage height, 2.65 ft, Dec. 15, 2000, higher gage height may have occurred during periods of estimated record; no flow for many days during each year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 13.0 ft³/_s, Dec. 15, gage height, 2.65 ft; no flow for many days during year.

SELECTED RUNOFF EVENTS, 2001 WATER YEAR

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
12-15	1430	0.68	0.35	02-16	0130	0.64	--	08-31	0600	0.67	--
12-15	1500	.78	.82	02-16	0200	.86	1.3	08-31	0615	.72	0.52
12-15	1515	.89	1.5	02-16	0230	.99	2.2	08-31	0630	.82	1.0
12-15	1520	.95	1.9	02-16	0300	1.08	3.0	08-31	0700	.95	1.9
12-15	1525	1.08	3.0	02-16	0330	1.03	2.6	08-31	0730	.94	1.8
12-15	1530	1.41	6.7	02-16	0400	.97	2.1	08-31	0800	.90	1.5
12-15	1535	1.81	13	02-16	0500	.87	1.3	08-31	0830	.85	1.2
12-15	1540	2.19	13	02-16	0600	.78	.82	08-31	0900	.81	.98
12-15	1545	2.40	13	02-16	0700	.76	.71	08-31	0915	.79	.87
12-15	1550	2.55	13	02-16	0800	.82	1.0	08-31	0930	.81	.98
12-15	1555	2.62	13	02-16	0900	.78	.82	08-31	0945	.90	1.5
12-15	1600	2.65	13	02-16	1000	.70	.43	08-31	1000	1.02	2.5
12-15	1605	2.65	13	02-16	1030	.77	.76	08-31	1015	1.11	3.3
12-15	1610	2.63	13	02-16	1045	.95	1.9	08-31	1030	1.15	3.7
12-15	1615	2.61	13	02-16	1100	1.12	3.4	08-31	1035	1.16	3.8
12-15	1630	2.49	13	02-16	1115	1.30	5.4	08-31	1040	1.16	3.8
12-15	1645	2.35	13	02-16	1130	1.47	7.5	08-31	1045	1.15	3.7
12-15	1700	2.16	13	02-16	1145	1.61	9.5	08-31	1100	1.14	3.6
12-15	1715	1.93	13	02-16	1150	1.62	9.7	08-31	1115	1.11	3.3
12-15	1730	1.68	11	02-16	1155	1.61	9.5	08-31	1130	1.08	3.0
12-15	1745	1.36	6.1	02-16	1200	1.60	9.4	08-31	1200	1.02	2.5
12-15	1800	1.16	3.8	02-16	1215	1.52	8.2	08-31	1230	.97	2.1
12-15	1830	.96	2.0	02-16	1230	1.39	6.5	08-31	1300	.92	1.7
12-15	1900	.85	1.2	02-16	1300	1.24	4.7	08-31	1330	.87	1.3
12-15	1930	.78	.82	02-16	1330	1.10	3.2	08-31	1400	.82	1.0
12-15	2000	.73	.56	02-16	1400	.99	2.2	08-31	1500	.75	.66
12-15	2030	.70	.43	02-16	1500	.82	1.0	08-31	1600	.71	.47
				02-16	1600	.72	.50				

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862104 BEASLEY LAKE TRIBUTARY NO 3 NEAR INDIANOLA, MS--Continued

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

			NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ANILINE 3- (TRI FLURO- METHYL) REC, (UG/L) (50307)
NOV 08-09	2237	0110	--	--	--	--	--	--	--	--	--	--
DEC 26-27	2348	0850	.066	2.5	.700	.010	.220	.610	4.2	<.050	<.050	<.050
JAN 18-19	1616	0801	.020	2.0	.190	<.010	.160	.840	4.2	<.050	<.050	<.050
FEB 12-12	1208	2036	<.010	1.2	.260	<.010	.260	.520	3.7	<.050	<.050	<.050
FEB 16-16	0150	1537	.065	1.8	.200	<.010	.240	.660	6.2	<.050	<.050	<.050
FEB 24-25	1949	0202	.030	4.1	.350	.010	.390	1.70	7.3	--	--	--
FEB 27-28	0956	0227	.016	2.2	.120	<.010	.250	.930	6.2	--	--	--
MAR 02-02	0948	1455	--	--	--	--	--	--	--	--	--	--
MAR 12-12	0627	1222	.010	1.8	.120	<.010	.180	.750	7.1	--	--	--
MAR 14-14	2012	2324	--	--	--	--	--	--	--	--	--	--
APR 12-12	0351	0610	--	--	--	--	--	--	--	--	--	--
APR 14-14	1249	1531	.289	2.6	.710	.020	.230	.660	8.7	--	--	--
APR 23-23	1814	2104	--	--	--	--	--	--	--	--	--	--
MAY 30-31	2359	0209	--	--	--	--	--	--	--	--	--	--
AUG 31-31	0626	1521	.110	1.1	.310	.010	.560	.710	3.9	--	--	--
SEP 01-01	0823	1412	.060	1.2	.440	.010	.540	.660	5.8	--	--	--
SEP 02-02	0837	1140	.070	1.3	.350	.010	.500	.680	5.0	--	--	--
DATE	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	CYANA- ZINE- AMIDE WATER FLTRD REC (UG/L) (61709)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DEISO- PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DEISO- PROPYL- METRYN WATER FLTRD REC (UG/L) (50378)	DEMETH- YLFLUO- METURON WATER FLTRD REC (UG/L) (50379)	DEMETH- YLNORF- LURAZON WATER FLTRD REC (UG/L) (50380)	FLUO- MET- URON WATER FLTRD REC (UG/L) (61710)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN WATER DISSOLV (UG/L) (82630)	MOLI- NATE WATER FLTRD REC (UG/L) (50375)
NOV 08-09	--	--	--	--	--	--	--	--	--	--	--	--
DEC 26-27	<.050	<.050	.380	<.050	.10	<.050	<.050	.160	<.050	<.050	<.050	<.050
JAN 18-19	<.050	<.050	<.050	<.050	.05	<.050	<.050	<.050	<.050	<.050	<.050	<.050
FEB 12-12	<.050	<.050	<.050	<.050	.08	<.050	<.050	<.050	<.050	<.050	<.050	<.050
FEB 16-16	.050	<.050	<.050	<.050	.08	<.050	<.050	.150	<.050	<.050	<.050	<.050
FEB 24-25	--	--	--	--	--	--	--	--	--	--	--	--
FEB 27-28	--	--	--	--	--	--	--	--	--	--	--	--
MAR 02-02	--	--	--	--	--	--	--	--	--	--	--	--
MAR 12-12	--	--	--	--	--	--	--	--	--	--	--	--
MAR 14-14	--	--	--	--	--	--	--	--	--	--	--	--
APR 12-12	--	--	--	--	--	--	--	--	--	--	--	--
APR 14-14	--	--	--	--	--	--	--	--	--	--	--	--
APR 23-23	--	--	--	--	--	--	--	--	--	--	--	--
MAY 30-31	--	--	--	--	--	--	--	--	--	--	--	--
AUG 31-31	--	--	--	--	--	--	--	--	--	--	--	--
SEP 01-01	--	--	--	--	--	--	--	--	--	--	--	--
SEP 02-02	--	--	--	--	--	--	--	--	--	--	--	--
Remark Codes:												
< -- Less than												

Remark Codes:

< -- Less than

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862104 BEASLEY LAKE TRIBUTARY NO 3 NEAR INDIANOLA, MS--Continued

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	NORFLU- RAZONE WATER FLTRD REC (UG/L) (50332)	PENDI- METH- ALIN WATER FLTRD REC (UG/L) (50376)	PRO- METRYN, WATER, DISS, REC (UG/L) (04036)	PROP- ANIL WATER FLTRD REC (UG/L) (50377)	PROP- AZINE WATER DISS REC (UG/L) (38535)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	TRI- FLUR- ALIN WATER, DISS, REC (UG/L) (38574)	UREA, 3-TRI- FLUORO- METHYL- PHENYL UNFLTRD (UG/L) (50473)	SEDI- MENT, SUS- PENDE (MG/L) (80154)
NOV 08-09	--	--	--	--	--	--	--	--	320
DEC 26-27	<.050	<.050	.11	<.050	<.05	<.050	<.05	<.050	614
JAN 18-19	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	481
FEB 12-12	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	175
FEB 16-16	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	480
FEB 24-25	--	--	--	--	--	--	--	--	1060
FEB 27-28	--	--	--	--	--	--	--	--	512
MAR 02-02	--	--	--	--	--	--	--	--	148
MAR 12-12	--	--	--	--	--	--	--	--	403
MAR 14-14	--	--	--	--	--	--	--	--	339
APR 12-12	--	--	--	--	--	--	--	--	659
APR 14-14	--	--	--	--	--	--	--	--	275
APR 23-23	--	--	--	--	--	--	--	--	919
MAY 30-31	--	--	--	--	--	--	--	--	1220
AUG 31-31	--	--	--	--	--	--	--	--	90
SEP 01-01	--	--	--	--	--	--	--	--	76
SEP 02-02	--	--	--	--	--	--	--	--	111

Remark Codes:

< -- Less than

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862104 BEASLEY LAKE TRIBUTARY NO 3 NEAR INDIANOLA, MS--Continued

DISCRETE SAMPLE DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDE (MG/L) (80154)
NOV				FEB			
08...	2239	.98	459	16...	0841	.93	174
24...	0244	.93	910	16...	1032	.87	640
24...	0455	2.6	258	16...	1146	9.5	388
24...	0645	3.3	313	16...	1243	5.7	302
24...	0827	3.3	244	16...	1432	1.5	220
24...	1033	2.2	238	16...	1508	.93	204
24...	1141	.98	183	16...	1511	.93	206
DEC				24...	1951	.93	2760
15...	1503	.87	443	24...	2132	.93	652
15...	1547	13	959	24...	2338	.93	1020
15...	1604	13	787	25...	0121	.93	428
15...	1621	13	546	27...	0958	.93	3380
15...	1640	13	668	27...	1110	5.4	544
15...	1703	13	493	27...	1239	3.0	260
15...	1741	7.0	368	27...	1559	.93	239
16...	0402	.52	1380	27...	1831	1.3	247
16...	0608	3.0	486	28...	0203	.93	328
26...	2329	.76	1510	28...	0434	1.0	236
27...	0157	1.8	590	28...	0452	.93	254
27...	0350	3.3	542	28...	0456	.93	257
27...	0551	2.1	367	MAR			
JAN				12...	0629	.93	916
17...	0820	.93	1150	12...	0839	3.5	410
17...	1041	1.3	829	12...	0957	4.6	314
17...	1145	.71	705	12...	1151	.93	243
17...	2358	.93	803	14...	2013	.93	645
18...	0213	1.9	612	14...	2223	1.6	236
18...	0447	2.3	563	14...	2319	.93	206
18...	0651	.93	515	14...	2322	.93	200
18...	1445	.93	545	APR			
18...	1548	1.6	484	12...	0353	.93	1540
18...	1748	2.8	540	12...	0607	.93	336
18...	1955	1.9	422	12...	0609	.93	296
18...	2053	1.6	424	14...	1251	.93	599
18...	2353	1.6	797	14...	1430	1.9	175
19...	0144	1.7	484	14...	1512	.93	125
19...	0152	1.6	469	23...	1815	.87	1890
19...	0155	1.6	464	23...	1817	.87	1760
19...	0159	1.6	439	23...	2021	.93	360
19...	0205	1.6	412	MAY			
19...	0208	1.6	398	31...	0001	.93	2000
19...	0217	1.6	366	31...	0143	.93	560
19...	0357	1.6	408	AUG			
19...	0542	2.6	513	31...	0628	.98	139
19...	0644	1.6	416	31...	0850	1.0	81
FEB				31...	0909	.93	78
12...	1210	.93	213	31...	0930	.98	89
12...	1435	1.6	171	31...	1103	3.5	75
12...	1656	2.5	161	31...	1310	1.5	60
12...	1920	1.0	138	SEP			
12...	1928	.93	154	01...	0825	.98	93
16...	0152	.98	686	01...	1017	2.8	60
16...	0339	2.4	200	01...	1220	2.0	49
16...	0731	.93	305	01...	1408	.93	41
16...	0733	.93	289	02...	0839	.93	177
16...	0736	.93	270	02...	1044	1.5	105

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862105 BEASLEY LAKE TRIBUTARY NO 4A NEAR INDIANOLA, MS

LOCATION.--Lat 33°23'59", long 90°39'34", in NW¹/₄ NW¹/₄ sec.19, T.18 N., R.4 W., Choctaw Meridian, Sunflower County, Hydrologic Unit 08030207, on tributary approximately 0.8 mi upstream of Beasley Lake, 2.5 mi southwest of Indianola.

DRAINAGE AREA.--0.59 mi² (380 acres), approximately.

PERIOD OF RECORD.--Water years 1997 to current year.

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 106.25 ft above sea level. Automatic pumping water-quality and sediment samplers since November 1996.

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ENDING TIME	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ANILINE 3-(TRI- FLURO- METHYL) FILT, REC, (UG/L) (50307)
NOV												
08-09	0733	1333	.080	2.7	2.70	.030	.310	.740	7.3	<.050	<.050	<.050
NOV												
16-17	1116	0000	.090	1.4	2.00	.020	.170	.310	5.3	<.050	<.050	<.050
NOV												
23-27	2233	1345	.030	1.8	1.10	<.010	.100	.610	5.2	<.050	<.050	<.050
DEC												
13-14	1419	1025	.032	3.5	1.60	<.010	.170	.750	5.4	<.050	<.050	<.050
DEC												
15-17	1421	0721	<.010	3.5	.940	<.010	.130	.760	3.9	<.050	<.050	<.050
DEC												
26-27	2323	2253	.078	3.4	1.20	<.010	.250	.750	8.2	<.050	<.050	<.050
JAN												
11-11	1148	1553	--	--	--	--	--	--	--	--	--	--
JAN												
18-18	1802	2102	<.010	3.7	.680	<.010	.090	1.20	6.7	<.050	<.050	<.050
JAN												
29-29	1242	2023	.022	2.5	.650	<.010	.100	2.30	12	<.050	<.050	<.050
FEB												
12-13	0550	1520	<.010	1.6	1.20	<.010	.090	.480	4.4	<.050	<.050	<.050
FEB												
15-17	1410	1456	.044	3.3	.380	<.010	.070	1.00	6.7	<.050	<.050	<.050
FEB												
24-25	2033	0929	.020	8.4	.570	<.010	.090	2.20	8.6	--	--	--
FEB 27-												
MAR 01	1012	0937	<.010	2.5	.290	<.010	.060	.810	9.1	--	--	--
MAR												
02-04	0029	0859	.048	1.3	.310	<.010	.070	.440	5.9	--	--	--
MAR												
12-13	0522	0228	.026	3.0	.310	<.010	.090	.930	7.1	--	--	--
MAR												
14-15	1945	1330	.061	2.5	.170	<.010	.100	.850	7.0	--	--	--
APR												
04-05	2158	0426	.042	4.5	1.20	.020	.150	1.30	6.3	--	--	--
APR												
14-15	1405	0137	.191	3.7	2.50	.030	.070	.810	7.9	<.050	<.050	<.050
APR												
23-24	1923	0538	.052	4.3	1.10	.020	.150	1.60	8.7	<.050	<.050	<.050
MAY												
07-07	1557	2331	.407	6.4	1.40	.050	.200	1.60	8.3	<.050	<.050	<.050
MAY												
31-31	0056	1047	.574	5.5	1.50	.050	.220	1.30	5.7	--	--	--
JUL												
13-13	0319	1319	.193	2.3	2.20	.040	.190	.720	3.0	--	--	--
JUL												
21-22	1923	0023	.060	1.9	1.20	.070	.230	.660	2.1	--	--	--
JUL												
27-27	1001	1401	--	--	--	--	--	--	--	--	--	--
AUG												
13-13	1135	1435	--	--	--	--	--	--	--	--	--	--

Remark Codes:

< -- Less than

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862105 BEASLEY LAKE TRIBUTARY NO 4A NEAR INDIANOLA, MS--Continued

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	CYANA- ZINE- AMIDE WATER FLTRD REC (UG/L) (61709)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DEISO- PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DEISO- PROPYL- METRYN WATER FLTRD REC (UG/L) (50378)	DEMETH- YLFLUO- METURON WATER FLTRD REC (UG/L) (50379)	DEMETH- YLNORF- LURAZON WATER FLTRD REC (UG/L) (50380)	FLUO- MET- URON WATER FLTRD REC (UG/L) (61710)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN WATER DISSOLV (UG/L) (82630)	MOLI- NATE WATER FLTRD REC (UG/L) (50375)
NOV												
NOV 08-09	<.050	<.050	.140	<.050	<.05	<.050	.080	.420	.070	<.050	<.050	<.050
NOV 16-17	<.050	<.050	<.050	<.050	<.05	<.050	<.050	<.050	<.050	<.050	<.050	<.050
NOV 23-27	.050	<.050	<.050	<.050	<.05	<.050	.060	<.050	<.050	<.050	<.050	<.050
DEC 13-14	<.050	<.050	<.050	<.050	<.05	<.050	<.050	<.050	<.050	<.050	<.050	<.050
DEC 15-17	<.050	<.050	<.050	<.050	<.05	<.050	<.050	<.050	<.050	<.050	<.050	<.050
DEC 26-27	<.050	<.050	<.050	<.050	<.05	<.050	<.050	<.050	<.050	<.050	<.050	<.050
JAN 11-11	--	--	--	--	--	--	--	--	--	--	--	--
JAN 18-18	<.050	<.050	<.050	<.050	<.05	<.050	<.050	<.050	<.050	<.050	<.050	<.050
JAN 29-29	<.050	<.050	<.050	<.050	<.05	<.050	.060	<.050	<.050	<.050	<.050	<.050
FEB 12-13	<.050	<.050	<.050	<.050	<.05	<.050	.090	.190	<.050	<.050	<.050	<.050
FEB 15-17	<.050	<.050	<.050	<.050	<.05	<.050	<.050	<.050	<.050	<.050	<.050	<.050
FEB 24-25	--	--	--	--	--	--	--	--	--	--	--	--
FEB 27-	--	--	--	--	--	--	--	--	--	--	--	--
MAR 01	--	--	--	--	--	--	--	--	--	--	--	--
MAR 02-04	--	--	--	--	--	--	--	--	--	--	--	--
MAR 12-13	--	--	--	--	--	--	--	--	--	--	--	--
MAR 14-15	--	--	--	--	--	--	--	--	--	--	--	--
APR 04-05	--	--	--	--	--	--	--	--	--	--	--	--
APR 14-15	.270	<.050	<.050	.050	<.05	<.050	.080	.430	<.050	.700	<.050	<.050
APR 23-24	8.30	<.050	<.050	.140	.35	<.050	<.050	.080	<.050	2.75	<.050	<.050
MAY 07-07	3.22	<.050	<.050	.260	.41	<.050	.770	.300	.420	23.0	<.050	<.050
MAY 31-31	--	--	--	--	--	--	--	--	--	--	--	--
JUL 13-13	--	--	--	--	--	--	--	--	--	--	--	--
JUL 21-22	--	--	--	--	--	--	--	--	--	--	--	--
JUL 27-27	--	--	--	--	--	--	--	--	--	--	--	--
AUG 13-13	--	--	--	--	--	--	--	--	--	--	--	--

Remark Codes:
 < -- Less than

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862105 BEASLEY LAKE TRIBUTARY NO 4A NEAR INDIANOLA, MS--Continued

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	NORFLU- RAZONE WATER FLTRD REC (UG/L) (50332)	PENDI- METH- ALIN WATER FLTRD REC (UG/L) (50376)	PRO- METRYN, WATER, DISS, REC (UG/L) (04036)	PROP- ANIL WATER FLTRD REC (UG/L) (50377)	PROP- AZINE WATER DISS REC (UG/L) (38535)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	TRI- FLUR- ALIN WATER, DISS, REC (UG/L) (38574)	UREA, 3-TRI- FLUORO- METHYL- PHENYL UNFLTRD (UG/L) (50473)	SEDI- MENT, SUS- PENDE (MG/L) (80154)
NOV 08-09	.080	<.050	<.05	<.050	<.05	<.050	<.05	<.050	652
NOV 16-17	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	376
NOV 23-27	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	525
DEC 13-14	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	--
DEC 15-17	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	1150
DEC 26-27	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	1070
JAN 11-11	--	--	--	--	--	--	--	--	857
JAN 18-18	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	1230
JAN 29-29	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	2490
FEB 12-13	.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	333
FEB 15-17	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	1080
FEB 24-25	--	--	--	--	--	--	--	--	2560
FEB 27-01	--	--	--	--	--	--	--	--	816
MAR 02-04	--	--	--	--	--	--	--	--	326
MAR 12-13	--	--	--	--	--	--	--	--	966
MAR 14-15	--	--	--	--	--	--	--	--	795
APR 04-05	--	--	--	--	--	--	--	--	1260
APR 14-15	.070	<.050	<.05	<.050	<.05	<.050	<.05	<.050	728
APR 23-24	<.050	<.050	<.05	<.050	.08	<.050	<.05	<.050	1720
MAY 07-07	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	1760
MAY 31-31	--	--	--	--	--	--	--	--	1400
JUL 13-13	--	--	--	--	--	--	--	--	520
JUL 21-22	--	--	--	--	--	--	--	--	381
JUL 27-27	--	--	--	--	--	--	--	--	227
AUG 13-13	--	--	--	--	--	--	--	--	437

Remark Codes:
 < -- Less than

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862106 BEASLEY LAKE TRIBUTARY NO 4B NEAR INDIANOLA, MS

LOCATION.--Lat 33°24'07", long 90°39'35", in NW¹/₄ NW¹/₄ sec.19, T.18 N., R.4 W., Choctaw Meridian, Sunflower County, Hydrologic Unit 08030207, on tributary approximately 0.8 mi upstream of Beasley Lake, and 2.5 mi southwest of Indianola.

DRAINAGE AREA.--0.27 mi²(170 acres), approximately.

PERIOD OF RECORD.--Water years 1997 to current year.

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 106.69 ft above sea level. Automatic pumping water-quality and sediment samplers since November 1996.

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ENDING TIME	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS DIS- SOLVED TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ANILINE 3-(TRI- FLURO- METHYL) FILT, REC, (UG/L) (50307)
NOV												
09-09	0305	1335	.300	1.6	4.50	.060	.430	.410	7.9	<.050	<.050	<.050
NOV												
24-26	0507	1735	.080	1.0	2.40	.020	.260	.390	6.0	<.050	<.050	<.050
DEC												
15-18	1542	0712	.022	.94	1.20	<.010	.180	.270	5.1	<.050	<.050	<.050
DEC												
27-29	0248	0318	.127	1.3	1.40	.010	.190	.330	7.8	<.050	<.050	<.050
JAN												
17-21	1033	0304	.013	.94	.560	.010	.130	.320	5.5	<.050	<.050	<.050
FEB												
12-14	1443	0423	.042	1.1	.910	.010	.150	.260	6.9	<.050	<.050	<.050
FEB												
16-17	0443	2348	.020	1.2	.180	<.010	.110	.280	7.3	<.050	<.050	<.050
FEB 27-												
MAR 01	1128	0733	.043	1.1	.150	<.010	.110	.330	11	--	--	--
MAR												
02-03	1158	1058	.032	.87	.130	<.010	.090	.180	8.4	--	--	--
MAR												
12-13	0903	0903	.048	1.2	.230	<.010	.110	.320	9.8	--	--	--
MAR												
14-15	2233	1433	.042	1.1	.100	<.010	.130	.360	8.2	--	--	--
APR												
14-15	1413	0343	1.56	3.1	7.90	.350	.070	.240	12	<.050	<.050	<.050
APR												
23-24	2008	0938	.550	2.7	2.20	.060	.120	.810	12	<.050	<.050	<.050
AUG 31-												
SEP 01	0837	1137	.120	1.4	.110	<.010	.270	.480	6.8	--	--	--
SEP												
02-04	1412	1342	.280	1.8	<.020	<.010	.430	.680	13	--	--	--

Remark Codes:

< -- Less than

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862106 BEASLEY LAKE TRIBUTARY NO 4B NEAR INDIANOLA, MS--Continued

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	CYANA- ZINE- AMIDE WATER FLTRD REC (UG/L) (61709)	DEETHYL ZINE, WATER, DISS, REC (UG/L) (04040)	DEISO- PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DEISO- PROPYL- METRYN WATER FLTRD REC (UG/L) (50378)	DEMETH- YLFLUO- METURON WATER FLTRD REC (UG/L) (50379)	DEMETH- YLNORF- LURAZON WATER FLTRD REC (UG/L) (50380)	FLUO- MET- URON WATER FLTRD REC (UG/L) (61710)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN WATER DISSOLV (UG/L) (82630)	MOLI- NATE WATER FLTRD REC (UG/L) (50375)
NOV												
NOV 09-09	<.050	.070	.310	<.050	.09	<.050	<.050	<.050	<.050	<.050	<.050	<.050
NOV 24-26	<.050	<.050	<.050	<.050	<.05	<.050	<.050	<.050	<.050	<.050	<.050	<.050
DEC 15-18	<.050	<.050	<.050	<.050	.07	<.050	<.050	<.050	<.050	<.050	<.050	<.050
DEC 27-29	<.050	<.050	<.050	<.050	<.05	<.050	<.050	<.050	<.050	<.050	<.050	<.050
JAN 17-21	<.050	<.050	<.050	<.050	<.05	<.050	<.050	<.050	<.050	<.050	<.050	<.050
FEB 12-14	<.050	<.050	<.050	<.050	<.05	<.050	<.050	<.050	<.050	<.050	<.050	<.050
FEB 16-17	<.050	<.050	<.050	<.050	<.05	<.050	<.050	<.050	<.050	<.050	<.050	<.050
FEB 27-MAR 01	--	--	--	--	--	--	--	--	--	--	--	--
MAR 02-03	--	--	--	--	--	--	--	--	--	--	--	--
MAR 12-13	--	--	--	--	--	--	--	--	--	--	--	--
MAR 14-15	--	--	--	--	--	--	--	--	--	--	--	--
APR 14-15	47.0	<.050	<.050	4.2	1.5	<.050	<.050	<.050	<.050	3.87	<.050	<.050
APR 23-24	16.0	<.050	<.050	2.5	1.3	<.050	<.050	<.050	<.050	1.94	<.050	<.050
AUG 31-SEP 01	--	--	--	--	--	--	--	--	--	--	--	--
SEP 02-04	--	--	--	--	--	--	--	--	--	--	--	--
DATE	NORFLU- RAZONE WATER FLTRD REC (UG/L) (50332)	PENDI- METH- ALIN WATER FLTRD REC (UG/L) (50376)	PRO- METRYN, WATER, DISS, REC (UG/L) (04036)	PROP- ANIL WATER FLTRD REC (UG/L) (50377)	PROP- AZINE WATER DISS REC (UG/L) (38535)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	TRI- FLUR- ALIN WATER, DISS, REC (UG/L) (38574)	UREA, 3-TRI- FLUORO- METHYL- PHENYL UNFLTRD (UG/L) (50473)	SEDI- MENT, SUS- PENDE (MG/L) (80154)			
NOV												
NOV 09-09	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	66			
NOV 24-26	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	56			
DEC 15-18	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	100			
DEC 27-29	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	168			
JAN 17-21	<.050	<.050	<.05	<.050	<.05	<.050	.05	<.050	105			
FEB 12-14	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	66			
FEB 16-17	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	117			
FEB 27-MAR 01	--	--	--	--	--	--	--	--	145			
MAR 02-03	--	--	--	--	--	--	--	--	65			
MAR 12-13	--	--	--	--	--	--	--	--	136			
MAR 14-15	--	--	--	--	--	--	--	--	138			
APR 14-15	<.050	<.050	<.05	<.050	.43	.080	<.05	<.050	63			
APR 23-24	<.050	<.050	<.05	<.050	.18	.080	<.05	<.050	459			
AUG 31-SEP 01	--	--	--	--	--	--	--	--	65			
SEP 02-04	--	--	--	--	--	--	--	--	33			

Remark Codes:

< -- Less than

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862107 BEASLEY LAKE TRIBUTARY NO 4 NEAR INDIANOLA, MS

LOCATION.--Lat 33°23'52", long 90°40'01", in SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.24, T.18 N., R.5 W., Choctaw Meridian, Sunflower County, Hydrologic Unit 08030207, on tributary approximately 0.2 mi upstream of Beasley Lake, 2.6 mi southwest of Indianola.

DRAINAGE AREA.--1.31 mi²(840 acres), approximately.

PERIOD OF RECORD.--Water years 1997 to current year.

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 101.75 ft above sea level. Automatic pumping water-quality and sediment samplers since October 1997.

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ENDING TIME	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ANILINE 3-(TRI- FLURO- METHYL) FILT, REC, (UG/L) (50307)
NOV 08-09	1623	1423	.040	1.8	2.80	.020	.260	.500	7.0	<.050	<.050	<.050
NOV 24-27	0349	1225	<.010	1.3	1.50	<.010	.170	.510	5.8	<.050	<.050	<.050
JAN 18-22	1625	1334	.050	2.0	.430	.010	.170	.680	3.7	<.050	<.050	<.050
FEB 13-15	1114	0919	.074	1.3	.790	.010	.090	.350	6.4	<.050	<.050	<.050
FEB 16-20	0357	1157	.016	2.3	.220	<.010	.090	.630	8.6	<.050	<.050	<.050
FEB 27- MAR 01	1400	1227	.011	2.6	.250	<.010	.100	.810	8.6	--	--	--
MAR 14-16	2317	1417	.056	1.7	.140	<.010	.120	.690	8.3	--	--	--
APR 12-12	0702	1028	--	--	--	--	--	--	--	--	--	--
APR 14-14	1519	2042	--	--	--	--	--	--	--	--	--	--
APR 23-24	2058	0157	--	--	--	--	--	--	--	--	--	--
AUG 31- SEP 02	0912	1404	.050	1.0	.230	<.010	.330	.500	4.8	--	--	--

Remark Codes:

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MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862107 BEASLEY LAKE TRIBUTARY NO 4 NEAR INDIANOLA, MS--Continued

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	CYANA- ZINE- AMIDE WATER FLTRD REC (UG/L) (61709)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DEISO- PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DEISO- PROPYL METRYN WATER FLTRD REC (UG/L) (50378)	DEMETH- YLFLUO- METURON WATER FLTRD REC (UG/L) (50379)	DEMETH- YLNORF- LURAZON WATER FLTRD REC (UG/L) (50380)	FLUO- MET- URON WATER FLTRD REC (UG/L) (61710)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN WATER DISSOLV (UG/L) (82630)	MOLI- NATE WATER FLTRD REC (UG/L) (50375)
NOV 08-09	.050	<.050	<.050	<.050	<.05	<.050	.070	.180	.070	<.050	<.050	<.050
NOV 24-27	<.050	<.050	<.050	<.050	<.05	<.050	<.050	<.050	<.050	<.050	<.050	<.050
JAN 18-22	<.050	<.050	<.050	<.050	<.05	<.050	<.050	<.050	<.050	<.050	<.050	<.050
FEB 13-15	<.050	<.050	<.050	<.050	<.05	<.050	<.050	<.050	<.050	<.050	<.050	<.050
FEB 16-20	<.050	<.050	<.050	<.050	<.05	<.050	<.050	.070	<.050	<.050	<.050	<.050
FEB 27- MAR 01	--	--	--	--	--	--	--	--	--	--	--	--
MAR 14-16	--	--	--	--	--	--	--	--	--	--	--	--
APR 12-12	--	--	--	--	--	--	--	--	--	--	--	--
APR 14-14	--	--	--	--	--	--	--	--	--	--	--	--
APR 23-24	--	--	--	--	--	--	--	--	--	--	--	--
AUG 31- SEP 02	--	--	--	--	--	--	--	--	--	--	--	--
DATE	NORFLU- RAZONE WATER FLTRD REC (UG/L) (50332)	PENDI- METH- ALIN WATER FLTRD REC (UG/L) (50376)	PRO- METRYN, WATER, DISS, REC (UG/L) (04036)	PROP- ANIL WATER FLTRD REC (UG/L) (50377)	PROP- AZINE WATER DISS, REC (UG/L) (38535)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	TRI- FLUR- ALIN WATER, DISS, REC (UG/L) (38574)	UREA, 3-TRI- FLURO- METHYL- PHENYL UNFLTRD (UG/L) (50473)	SEDI- MENT, SUS- PENDE (MG/L) (80154)			
NOV 08-09	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	303			
NOV 24-27	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	262			
JAN 18-22	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	512			
FEB 13-15	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	175			
FEB 16-20	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	467			
FEB 27- MAR 01	--	--	--	--	--	--	--	--	757			
MAR 14-16	--	--	--	--	--	--	--	--	444			
APR 12-12	--	--	--	--	--	--	--	--	970			
APR 14-14	--	--	--	--	--	--	--	--	528			
APR 23-24	--	--	--	--	--	--	--	--	1260			
AUG 31- SEP 02	--	--	--	--	--	--	--	--	104			

Remark Codes:

< -- Less than

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862108 BEASLEY LAKE TRIBUTARY NO 1 NEAR INDIANOLA, MS

LOCATION.--Lat 33°23'37", long 90°40'55", in NW¹/₄ SE¹/₄ sec.23, T.18 N., R.5 W., Choctaw Meridian, Sunflower County, Hydrologic Unit 08030207, on tributary approximately 0.2 mi upstream of Beasley Lake, approximately 0.6 mi southeast of Big Sunflower River levee, and 3.4 mi southwest of Indianola.

DRAINAGE AREA.--0.16 mi² (100 acres).

PERIOD OF RECORD.--Water years 1996 to current year.

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 104.52 ft above sea level. Automatic pumping water-quality and sediment samplers since August 1996.

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ENDING TIME	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ANILINE 3-(TRI- FLURO- METHYL) DISS, FILT, REC, (UG/L) (50307)
NOV												
08-09	0732	1231	.090	1.6	.520	.020	.580	.660	6.7	<.050	<.050	<.050
NOV												
16-16	1016	1513	.090	.84	.530	.020	.490	.480	5.7	<.050	<.050	<.050
NOV												
23-24	2222	1053	.050	1.4	.640	.010	.380	.770	3.6	<.050	<.050	<.050
DEC												
13-13	1405	1653	.154	2.5	.690	<.010	.390	.660	3.1	<.050	<.050	<.050
DEC												
15-15	1416	1535	--	--	--	--	--	--	--	--	--	--
JAN												
18-19	1647	0441	<.010	1.8	.380	<.010	.180	.780	3.6	<.050	<.050	<.050
JAN												
29-29	1243	1523	.084	3.7	.390	.010	.200	1.50	11	<.050	<.050	<.050
FEB												
12-12	0644	1806	<.010	1.3	.950	.010	.220	.510	4.1	<.050	<.050	<.050
FEB												
16-16	0218	1435	.016	2.2	.260	<.010	.140	.900	5.5	<.050	<.050	<.050
FEB												
27-28	0957	0532	.012	2.2	.200	<.010	.140	.940	--	--	--	--
MAR												
02-02	0844	2238	.042	1.2	.180	<.010	.100	.410	5.3	--	--	--
MAR												
12-12	0641	2042	.038	2.0	.250	<.010	.130	.880	6.8	--	--	--
MAR												
14-15	1949	0956	.039	1.8	.150	<.010	.140	.820	3.3	--	--	--
APR												
04-05	2101	0559	.028	2.5	.820	.010	.110	.880	6.8	--	--	--
APR												
12-12	0346	1828	.032	1.8	.610	.010	.120	.690	5.9	--	--	--
APR												
14-15	1245	0023	.126	1.7	.340	<.010	.130	.560	5.7	<.050	<.050	<.050
APR												
15-15	1225	1455	.106	1.5	.250	.010	.110	.480	6.8	<.050	<.050	<.050
APR												
23-24	1820	0432	.048	2.1	.490	.020	.180	1.00	7.2	<.050	<.050	<.050
MAY												
07-08	1520	0244	.062	4.2	.640	.020	.220	1.70	7.0	<.050	<.050	<.050
MAY												
22-22	0009	0444	1.37	5.5	2.10	.060	.180	1.10	5.8	<.050	<.050	.090
MAY												
31-31	0058	1312	1.46	6.6	1.60	.050	.230	1.30	5.9	--	--	--
JUN												
27-27	1324	1748	.714	3.2	2.30	.070	.220	.860	4.2	--	--	--
JUL												
13-13	0300	0902	.152	1.8	.820	.030	.160	.650	2.7	--	--	--
JUL												
21-22	1818	0404	.236	2.0	.850	.060	.310	.710	2.8	--	--	--

Remark Codes:

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MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862108 BEASLEY LAKE TRIBUTARY NO 1 NEAR INDIANOLA, MS--Continued

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	CYANA- ZINE- AMIDE WATER FLTRD REC (UG/L) (61709)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DEISO- PROPYL WATER, DISS, REC (UG/L) (04038)	DEISO- PROPYL- METRYN WATER FLTRD REC (UG/L) (50378)	DEMETH- YLFLUO- METURON WATER FLTRD REC (UG/L) (50379)	DEMETH- YLNORF- LURAZON WATER FLTRD REC (UG/L) (50380)	FLUO- MET- URON WATER FLTRD REC (UG/L) (61710)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN WATER DISSOLV (UG/L) (82630)	MOLI- NATE WATER FLTRD REC (UG/L) (50375)
NOV												
NOV 08-09	<.050	.070	.360	<.050	.07	<.050	.090	<.050	.130	<.050	<.050	<.050
NOV 16-16	<.050	.070	.430	<.050	.07	<.050	.170	<.050	.160	<.050	<.050	<.050
NOV 23-24	<.050	<.050	<.050	<.050	<.05	<.050	.090	<.050	.080	<.050	<.050	<.050
DEC 13-13	<.050	<.050	<.050	<.050	<.05	<.050	<.050	<.050	<.050	<.050	<.050	<.050
DEC 15-15	--	--	--	--	--	--	--	--	--	--	--	--
JAN 18-19	<.050	<.050	<.050	<.050	<.05	<.050	.100	<.050	.090	<.050	<.050	<.050
JAN 29-29	<.050	<.050	<.050	<.050	.09	<.050	.110	<.050	.050	<.050	<.050	<.050
FEB 12-12	<.050	<.050	<.050	<.050	.09	<.050	.110	.050	<.050	<.050	<.050	<.050
FEB 16-16	<.050	<.050	<.050	<.050	.07	<.050	<.050	<.050	<.050	<.050	<.050	<.050
FEB 27-28	--	--	--	--	--	--	--	--	--	--	--	--
MAR 02-02	--	--	--	--	--	--	--	--	--	--	--	--
MAR 12-12	--	--	--	--	--	--	--	--	--	--	--	--
MAR 14-15	--	--	--	--	--	--	--	--	--	--	--	--
APR 04-05	--	--	--	--	--	--	--	--	--	--	--	--
APR 12-12	--	--	--	--	--	--	--	--	--	--	--	--
APR 14-15	.130	<.050	<.050	.050	.15	<.050	<.050	.310	.060	.070	<.050	<.050
APR 15-15	.130	<.050	<.050	.050	.20	<.050	.120	.120	.060	.060	<.050	<.050
APR 23-24	.540	<.050	<.050	.100	.13	<.050	.130	.100	.090	.150	<.050	<.050
MAY 07-08	.460	<.050	<.050	.130	.21	<.050	<.050	<.050	.060	<.050	<.050	<.050
MAY 22-22	.210	<.050	.050	.080	.15	<.050	.240	.440	.140	<.050	<.050	.060
MAY 31-31	--	--	--	--	--	--	--	--	--	--	--	--
JUN 27-27	--	--	--	--	--	--	--	--	--	--	--	--
JUL 13-13	--	--	--	--	--	--	--	--	--	--	--	--
JUL 21-22	--	--	--	--	--	--	--	--	--	--	--	--

Remark Codes:

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WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862108 BEASLEY LAKE TRIBUTARY NO 1 NEAR INDIANOLA, MS--Continued

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	NORFLU- RAZONE WATER FLTRD REC (UG/L) (50332)	PENDI- METH- ALIN WATER FLTRD REC (UG/L) (50376)	PRO- METRYN, WATER, DISS, REC (UG/L) (04036)	PROP- ANIL WATER FLTRD REC (UG/L) (50377)	PROP- AZINE WATER DISS REC (UG/L) (38535)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	TRI- FLUR- ALIN WATER, DISS, REC (UG/L) (38574)	UREA, 3-TRI- FLUORO- METHYL- PHENYL UNFLTRD (UG/L) (50473)	SEDI- MENT, SUS- PENDEDED (MG/L) (80154)
NOV 08-09	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	308
NOV 16-16	<.050	<.050	.05	<.050	<.05	<.050	<.05	.070	122
NOV 23-24	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	315
DEC 13-13	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	637
DEC 15-15	--	--	--	--	--	--	--	--	655
JAN 18-19	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	473
JAN 29-29	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	1190
FEB 12-12	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	233
FEB 16-16	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	739
FEB 27-28	--	--	--	--	--	--	--	--	790
MAR 02-02	--	--	--	--	--	--	--	--	264
MAR 12-12	--	--	--	--	--	--	--	--	723
MAR 14-15	--	--	--	--	--	--	--	--	545
APR 04-05	--	--	--	--	--	--	--	--	733
APR 12-12	--	--	--	--	--	--	--	--	499
APR 14-15	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	341
APR 15-15	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	266
APR 23-24	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	728
MAY 07-08	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	1740
MAY 22-22	.050	<.050	.05	<.050	<.05	<.050	<.05	<.050	855
MAY 31-31	--	--	--	--	--	--	--	--	1220
JUN 27-27	--	--	--	--	--	--	--	--	608
JUL 13-13	--	--	--	--	--	--	--	--	467
JUL 21-22	--	--	--	--	--	--	--	--	291

Remark Codes:
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MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862210 BROWNS BAYOU TRIBUTARY NO 3 NEAR INVERNESS, MS

LOCATION.--Lat 33°21'02", long 90°30'08", in NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.3, T.17 N., R.3 W., Choctaw Meridian, Sunflower County, Hydrologic Unit 08030207, on tributary approximately 300 ft upstream of Thighman Lake, approximately 6 mi south of Moorhead, 0.2 mi west of Three Mile Lake, and 5 mi east of Inverness.

DRAINAGE AREA.--0.02 mi² (14.4 acres).

PERIOD OF RECORD.--Water years 1996 to current year.

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 110.89 ft above sea level. Automatic pumping water-quality and sediment samplers since April 1996.

REMARKS.--No estimated discharges. Discharge records fair. Discharges during summer months may be due to irrigation. Unpublished records of gage height and discharge during selected storm events are available in files of District office. Occasionally, records of gage height and discharge were not computed due to backwater or malfunction of the instruments.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge not determined due to overtopping of berm, Apr. 1, 2000, gage height 2.52 ft at time of overtopping, maximum gage height, 2.52 ft, Apr. 1, 2000; no flow for many days during each year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 12.0 ft³/s, Sept. 2, gage height, 2.01 ft; no flow for many days during year.

SELECTED RUNOFF EVENTS, 2001 WATER YEAR

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
11-23	2300	0.20	0.10	04-14	1330	0.24	0.14	08-27	2100	0.23	0.13
11-23	2400	.27	.17	04-14	1345	.67	1.0	08-27	2115	.69	1.10
11-24	0100	.36	.30	04-14	1400	1.19	3.5	08-27	2120	.89	1.9
11-24	0200	.90	1.9	04-14	1415	1.67	7.6	08-27	2125	1.08	2.8
11-24	0300	.68	1.1	04-14	1430	1.79	8.9	08-27	2130	1.26	4.0
11-24	0330	.90	1.9	04-14	1445	1.75	8.4	08-27	2135	1.40	5.1
11-24	0400	1.18	3.5	04-14	1500	1.62	7.0	08-27	2140	1.47	5.6
11-24	0430	1.22	3.7	04-14	1515	1.42	5.2	08-27	2145	1.51	6.0
11-24	0500	1.17	3.4	04-14	1530	1.13	3.2	08-27	2150	1.51	6.0
11-24	0530	1.11	3.0	04-14	1545	.96	2.2	08-27	2155	1.48	5.7
11-24	0600	1.22	3.7	04-14	1600	.87	1.8	08-27	2200	1.44	5.4
11-24	0630	1.19	3.5	04-14	1615	.80	1.5	08-27	2215	1.28	4.1
11-24	0700	1.30	4.3	04-14	1630	.93	2.1	08-27	2230	1.19	3.5
11-24	0730	1.38	4.9	04-14	1645	1.25	3.9	08-27	2245	1.11	3.0
11-24	0800	1.24	3.9	04-14	1700	1.36	4.7	08-27	2300	1.05	2.7
11-24	0830	1.40	5.1	04-14	1715	1.29	4.2	08-27	2315	1.02	2.5
11-24	0900	1.66	7.4	04-14	1730	1.13	3.2	08-27	2330	1.01	2.5
11-24	0930	1.55	6.4	04-14	1745	.98	2.3	08-27	2400	.95	2.2
11-24	1000	1.43	5.3	04-14	1800	.88	1.8	08-28	0100	.73	1.2
11-24	1030	1.42	5.2	04-14	1830	.73	1.2	08-28	0200	.59	.79
11-24	1100	1.63	7.1	04-14	1900	.64	.94	08-28	0300	.51	.58
11-24	1130	1.44	5.4	04-14	2000	.53	.63	08-28	0400	.45	.45
11-24	1200	1.07	2.8	04-14	2100	.45	.45	08-28	0500	.42	.40
11-24	1230	.94	2.1	04-14	2200	.37	.31	08-28	0600	.39	.34
11-24	1300	.86	1.7	04-14	2300	.29	.20	08-28	0700	.36	.30
11-24	1400	.74	1.3								
11-24	1500	.61	.85								
11-24	1800	.52	.61								
11-24	2100	.37	.31								

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862210 BROWNS BAYOU TRIBUTARY NO 3 NEAR INVERNESS, MS--Continued

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ENDING TIME	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ANILINE 3- (TRI FLURO- METHYL) FILT, REC, (UG/L) (50307)
NOV 24-24	0119	1524	.320	2.0	5.80	.010	.050	.360	6.8	<.050	<.050	<.050
DEC 13-13	1518	1821	.240	3.4	5.10	<.010	.060	.440	8.2	--	--	--
DEC 15-16	1444	0800	.374	5.5	5.30	.010	.020	.770	9.6	<.050	<.050	<.050
JAN 17-17	0727	1146	.012	3.9	.180	<.010	.160	.780	15	<.050	<.050	<.050
JAN 18-18	0045	0427	.025	2.9	1.10	<.010	<.010	.550	13	<.050	<.050	<.050
FEB 12-12	0942	1955	1.71	4.8	1.40	.010	.040	.370	4.1	<.050	<.050	<.050
FEB 16-16	0318	0447	1.07	4.0	.420	<.010	.020	.570	10	--	--	--
FEB 16-16	1157	1457	.522	3.8	.200	<.010	<.010	.600	7.3	<.050	<.050	<.050
FEB 24-25	2117	0212	.740	7.6	1.20	.010	.050	1.30	8.4	--	--	--
FEB 27-28	1113	0548	.244	3.1	.630	<.010	.020	.630	5.5	--	--	--
MAR 02-02	0936	1443	.352	1.8	.380	<.010	.040	.290	6.6	--	--	--
MAR 12-12	0749	1211	.188	1.9	.740	<.010	.040	.430	5.2	--	--	--
MAR 14-14	2056	2327	13.0	14	34.0	.020	.030	.260	2.5	--	--	--
APR 04-05	2302	0043	1.67	4.6	2.10	<.010	.060	.560	2.8	--	--	--
APR 14-14	1344	1907	.502	1.8	1.40	.020	.020	.230	3.8	<.050	<.050	<.050
AUG 18-18	1034	1054	--	--	--	--	--	--	--	--	--	--
AUG 27-28	2114	0111	.170	2.2	.840	.020	.280	.440	13	--	--	--
AUG 31-31	0729	1341	.110	2.2	.340	<.010	.100	.180	19	--	--	--
SEP 01-01	0806	1037	.080	1.5	.050	<.010	.090	.150	11	--	--	--

Remark Codes:
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MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862210 BROWNS BAYOU TRIBUTARY NO 3 NEAR INVERNESS, MS--Continued

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	CYANA- ZINE- AMIDE WATER FLTRD REC (UG/L) (61709)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DEISO- PROPYL WATER, DISS, REC (UG/L) (04038)	DEISO- PROPYL WATER FLTRD REC (UG/L) (50378)	DEMETH- YLFLUO- WATER FLTRD REC (UG/L) (50379)	DEMETH- YLORF- WATER FLTRD REC (UG/L) (50380)	FLUO- MET- URON WATER FLTRD REC (UG/L) (61710)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN WATER DISSOLV (UG/L) (82630)	MOLI- NATE WATER FLTRD REC (UG/L) (50375)
NOV												
24-24	3.07	<.050	<.050	.220	.13	<.050	.150	<.050	.110	.060	<.050	<.050
DEC												
13-13	--	--	--	--	--	--	--	--	--	--	--	--
DEC												
15-16	1.19	<.050	<.050	.250	.13	<.050	<.050	<.050	<.050	<.050	<.050	<.050
JAN												
17-17	1.77	<.050	<.050	.180	.20	<.050	.260	.680	.060	.120	<.050	<.050
JAN												
18-18	2.23	<.050	<.050	.230	.21	<.050	.220	<.050	.060	.060	<.050	<.050
FEB												
12-12	.870	<.050	<.050	.120	.16	<.050	.150	<.050	<.050	<.050	<.050	<.050
FEB												
16-16	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
16-16	.840	<.050	<.050	.150	.22	<.050	.160	.170	<.050	.050	<.050	<.050
FEB												
24-25	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
27-28	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
02-02	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
12-12	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
14-14	--	--	--	--	--	--	--	--	--	--	--	--
APR												
04-05	--	--	--	--	--	--	--	--	--	--	--	--
APR												
14-14	.280	<.050	<.050	.110	.22	<.050	<.050	.560	<.050	.070	.060	<.050
AUG												
18-18	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
27-28	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
31-31	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
01-01	--	--	--	--	--	--	--	--	--	--	--	--

Remark Codes:
 < -- Less than

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862210 BROWNS BAYOU TRIBUTARY NO 3 NEAR INVERNESS, MS--Continued

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	NORFLU- RAZONE WATER FLTRD REC (UG/L) (50332)	PENDI- METH- ALIN WATER FLTRD REC (UG/L) (50376)	PRO- METRYN, WATER, DISS, REC (UG/L) (04036)	PROP- ANIL WATER FLTRD REC (UG/L) (50377)	PROP- AZINE WATER DISS REC (UG/L) (38535)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	TRI- FLUR- ALIN WATER, DISS, REC (UG/L) (38574)	UREA, 3-TRI- FLUORO- METHYL- PHENYL UNFLTRD (UG/L) (50473)	SEDI- MENT, SUS- PENDE (MG/L) (80154)
NOV 24-24	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	471
DEC 13-13	--	--	--	--	--	--	--	--	878
DEC 15-16	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	--
JAN 17-17	.160	<.050	<.05	<.050	<.05	<.050	<.05	.850	1020
JAN 18-18	<.050	<.050	<.05	<.050	<.05	<.050	<.05	.590	612
FEB 12-12	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	403
FEB 16-16	--	--	--	--	--	--	--	--	823
FEB 16-16	.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	987
FEB 24-25	--	--	--	--	--	--	--	--	2540
FEB 27-28	--	--	--	--	--	--	--	--	895
MAR 02-02	--	--	--	--	--	--	--	--	387
MAR 12-12	--	--	--	--	--	--	--	--	672
MAR 14-14	--	--	--	--	--	--	--	--	410
APR 04-05	--	--	--	--	--	--	--	--	932
APR 14-14	.100	<.050	<.05	<.050	<.05	<.050	<.05	<.050	242
AUG 18-18	--	--	--	--	--	--	--	--	173
AUG 27-28	--	--	--	--	--	--	--	--	64
AUG 31-31	--	--	--	--	--	--	--	--	55
SEP 01-01	--	--	--	--	--	--	--	--	33

Remark Codes:
 < -- Less than

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862210 BROWNS BAYOU TRIBUTARY NO 3 NEAR INVERNESS, MS--Continued

DISCRETE SAMPLE DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDED (MG/L) (80154)
NOV				FEB			
24...	0121	.71	2200	27...	1313	4.0	729
24...	0307	1.1	624	27...	1405	2.4	625
24...	0413	3.6	621	27...	1512	2.2	611
24...	0457	3.4	478	27...	1700	1.6	666
24...	0557	3.7	461	27...	1837	1.1	558
24...	0630	3.5	409	28...	0346	.94	322
24...	0710	4.5	562	28...	0348	.97	326
24...	0743	4.6	472	28...	0550	.97	354
24...	0822	4.1	434	28...	0606	.88	338
24...	0850	7.2	524	MAR			
24...	0911	7.1	432	02...	0938	1.0	510
24...	0934	6.3	390	02...	1019	.88	248
24...	1001	5.3	368	02...	1130	.94	243
24...	1031	5.2	383	02...	1258	2.4	410
24...	1058	7.0	501	02...	1433	1.0	339
24...	1120	6.6	364	02...	1443	.88	315
24...	1153	3.2	376	02...	1949	1.1	628
24...	1305	1.7	270	02...	2041	2.6	492
24...	1526	.74	186	02...	2138	2.3	411
24...	1601	.61	174	12...	0749	.94	773
24...	1701	.63	207	12...	0834	3.3	738
24...	1801	.61	162	12...	0924	2.4	624
DEC				12...	0957	7.4	854
13...	1520	.71	1770	12...	1018	7.3	611
13...	1724	.88	516	12...	1040	6.5	480
13...	1821	.61	432	12...	1109	4.3	441
15...	1446	.68	1500	12...	1211	1.4	331
15...	1618	1.8	2820	14...	2059	1.1	491
15...	1814	.76	1560	14...	2155	2.9	465
15...	1844	.61	1550	14...	2316	1.1	223
16...	0507	.66	2180	14...	2329	.88	205
16...	0802	.82	775	APR			
27...	0031	.63	2040	04...	2304	1.7	2400
27...	0227	2.4	1330	04...	2337	5.8	796
27...	0309	5.4	1470	05...	0017	1.7	517
27...	0335	6.2	1240	05...	0046	.85	378
27...	0401	6.2	1020	14...	1347	1.2	354
27...	0424	7.9	1140	14...	1419	8.2	296
JAN				14...	1437	8.8	294
17...	0729	.63	615	14...	1456	7.4	250
17...	0938	1.9	1220	14...	1520	4.5	203
17...	1147	.61	975	14...	1628	1.9	158
18...	0047	.63	579	14...	1711	4.4	146
18...	0237	1.5	572	14...	1803	1.7	103
18...	0427	.61	360	AUG			
18...	0441	.61	426	18...	1038	.94	167
18...	1912	3.7	1110	18...	1101	.88	99
18...	2004	2.2	745	27...	2118	1.5	284
18...	2122	1.8	617	27...	2155	5.7	56
18...	2337	.63	459	27...	2228	3.6	53
19...	0135	1.8	613	27...	2322	2.5	43
19...	0300	1.8	600	28...	0035	1.6	42
19...	0423	2.0	614	31...	0728	.91	62
19...	0530	3.5	1030	31...	0832	3.0	41
19...	0614	3.3	889	31...	0952	1.2	41
19...	0706	2.4	709	31...	1112	.91	34
19...	0903	.58	436	31...	1320	1.0	36
FEB				31...	1339	.91	38
16...	0320	1.1	1110	SEP			
16...	0413	1.6	561	01...	0805	.94	83
16...	0447	.88	415	01...	0858	3.9	39
16...	1159	1.3	1540	01...	0924	8.5	37
16...	1229	4.9	1050	01...	0941	9.5	95
16...	1257	6.6	1010	01...	0958	8.5	47
16...	1323	4.4	875	01...	1019	6.4	32
16...	1411	2.8	848	01...	1045	6.4	36
16...	1529	.88	571	01...	1109	6.2	29
24...	2120	1.4	5360	01...	1136	5.8	24
24...	2200	.82	1760	01...	1200	7.4	20
25...	0201	.94	1570	01...	1220	7.8	22
25...	0213	.88	1250	01...	1241	6.8	29
25...	0239	.91	1060	01...	1309	4.5	29
25...	0302	.88	897	01...	1357	2.5	24
27...	1115	1.2	2690	01...	1532	1.2	30
27...	1153	6.2	1580	01...	1613	.91	37
27...	1217	6.6	1140	02...	0802	.91	54
27...	1242	5.8	841	02...	0906	8.5	105

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862211 BROWNS BAYOU NEAR INVERNESS, MS

LOCATION.--Lat 33°21'28", long 90°30'37", in NW¹/₄ SE¹/₄ sec.4, T.17 N., R.3 W., Choctaw Meridian, Sunflower County, Hydrologic Unit 08030207, 30 ft downstream of Columbia Gulf gas line, approximately 5.5 mi south of Moorhead, 0.7 mi west of Three Mile Lake, and 5 mi east of Inverness.

DRAINAGE AREA.--2.3 mi² (1,470 acres).

PERIOD OF RECORD.--Water years 1996 to current year.

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 103.41 ft above sea level. Automatic pumping water-quality and sediment samplers since April 1996.

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ENDING TIME	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ANILINE 3-(TRI FLURO- METHYL) FILT, REC, (UG/L) (50307)
NOV												
09-09	0507	1514	.240	2.9	4.20	.090	.370	.480	17	<.050	<.050	<.050
NOV												
24-24	0109	1818	.490	2.2	2.30	.060	.190	.470	7.8	<.050	<.050	<.050
DEC												
15-17	2031	0059	<.010	2.2	2.60	.010	.100	.280	8.8	<.050	<.050	<.050
DEC												
27-29	0218	1022	.090	2.1	1.80	.010	.130	.380	9.8	<.050	<.050	<.050
JAN												
17-20	0913	1241	.022	1.5	1.00	<.010	.070	.380	6.9	<.050	<.050	<.050
FEB												
12-14	0945	1648	.386	2.4	1.00	.020	.060	.300	8.2	<.050	<.050	<.050
FEB												
16-17	0527	1721	.274	2.4	.470	.010	.060	.530	9.0	<.050	<.050	<.050
FEB												
25-25	0054	1202	.087	3.7	.440	.010	.040	.750	9.0	--	--	--
FEB 27-												
MAR 01	1056	1111	.043	2.6	.380	<.010	.030	.590	9.4	--	--	--
MAR												
02-04	1203	0817	.059	1.5	.280	<.010	.060	.290	7.9	--	--	--
MAR												
12-14	0639	0025	.026	2.1	.320	<.010	.040	.440	9.2	--	--	--
MAR												
14-16	2027	0833	1.45	3.5	4.60	.020	.040	.470	9.5	--	--	--
APR												
04-05	2230	0959	.706	5.3	2.30	.030	.080	.650	7.1	--	--	--
APR												
12-12	1555	2318	--	--	--	--	--	--	--	--	--	--
APR												
14-16	1424	0921	.778	3.0	4.00	.140	.070	.470	8.1	<.050	<.050	<.050
JUN												
27-28	1701	0414	.126	1.8	1.30	.030	.060	.230	8.2	--	--	--
JUL												
04-04	0628	1225	--	--	--	--	--	--	--	--	--	--
JUL												
06-13	0548	1108	--	--	--	--	--	--	--	--	--	--
JUL												
13-15	1419	0013	--	--	--	--	--	--	--	--	--	--
JUL												
28-28	1953	2040	--	--	--	--	--	--	--	--	--	--
SEP												
02-04	1305	1206	.180	1.3	.040	<.010	.360	.430	9.0	<.050	<.050	<.050

Remark Codes:

< -- Less than

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862211 BROWNS BAYOU NEAR INVERNESS, MS--Continued

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	CYANA- ZINE- AMIDE WATER FLTRD REC (UG/L) (61709)	DEETHYL ZINE, WATER, DISS, REC (UG/L) (04040)	DEISO- PROPYL WATER, DISS, REC (UG/L) (04038)	DEISO- PROPYL- METRYN WATER FLTRD REC (UG/L) (50378)	DEMETH- YLFLUO- METURON WATER FLTRD REC (UG/L) (50379)	DEMETH- YLNORF- LURAZON WATER FLTRD REC (UG/L) (50380)	FLUO- MET- URON WATER FLTRD REC (UG/L) (61710)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN WATER DISSOLV (UG/L) (82630)	MOLI- NATE WATER FLTRD REC (UG/L) (50375)
NOV												
09-09	.240	<.050	<.050	<.050	.10	<.050	<.050	.290	<.050	.050	<.050	<.050
NOV												
24-24	.130	<.050	<.050	<.050	<.05	<.050	.060	<.050	.050	.060	<.050	<.050
DEC												
15-17	.130	<.050	<.050	<.050	<.05	<.050	<.050	<.050	<.050	.130	<.050	<.050
DEC												
27-29	.140	<.050	<.050	<.050	.15	<.050	<.050	<.050	<.050	<.050	<.050	<.050
JAN												
17-20	.200	<.050	<.050	<.050	.08	<.050	.080	<.050	<.050	.090	<.050	<.050
FEB												
12-14	.150	<.050	<.050	<.050	<.05	<.050	.060	.060	<.050	.100	<.050	<.050
FEB												
16-17	.220	<.050	<.050	<.050	<.05	<.050	.070	.070	<.050	.100	<.050	<.050
FEB												
25-25	--	--	--	--	--	--	--	--	--	--	--	--
FEB 27-												
MAR 01	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
02-04	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
12-14	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
14-16	--	--	--	--	--	--	--	--	--	--	--	--
APR												
04-05	--	--	--	--	--	--	--	--	--	--	--	--
APR												
12-12	--	--	--	--	--	--	--	--	--	--	--	--
APR												
14-16	16.0	<.050	<.050	1.5	1.0	<.050	<.050	.330	<.050	8.15	18.0	<.050
JUN												
27-28	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
04-04	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
06-13	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
13-15	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
28-28	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
02-04	<.050	<.050	<.050	<.050	<.05	<.050	<.050	<.050	<.050	<.050	<.050	<.050

Remark Codes:
< -- Less than

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862211 BROWNS BAYOU NEAR INVERNESS, MS--Continued

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DATE	NORFLU- RAZONE WATER FLTRD REC (UG/L) (50332)	PENDI- METH- ALIN WATER FLTRD REC (UG/L) (50376)	PRO- METRYN, WATER, DISS, REC (UG/L) (04036)	PROP- ANIL WATER FLTRD REC (UG/L) (50377)	PROP- AZINE WATER DISS REC (UG/L) (38535)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	TRI- FLUR- ALIN WATER, DISS, REC (UG/L) (38574)	UREA, 3-TRI- FLUORO- METHYL- PHENYL UNFLTRD (UG/L) (50473)	SEDI- MENT, SUS- PENDEDED (MG/L) (80154)
NOV									
09-09	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	178
NOV									
24-24	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	244
DEC									
15-17	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	240
DEC									
27-29	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	487
JAN									
17-20	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	347
FEB									
12-14	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	202
FEB									
16-17	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	642
FEB									
25-25	--	--	--	--	--	--	--	--	1020
FEB 27-									
MAR 01	--	--	--	--	--	--	--	--	793
MAR									
02-04	--	--	--	--	--	--	--	--	270
MAR									
12-14	--	--	--	--	--	--	--	--	570
MAR									
14-16	--	--	--	--	--	--	--	--	541
APR									
04-05	--	--	--	--	--	--	--	--	854
APR									
12-12	--	--	--	--	--	--	--	--	241
APR									
14-16	.090	<.050	<.05	<.050	.21	.110	<.05	<.050	424
JUN									
27-28	--	--	--	--	--	--	--	--	113
JUL									
04-04	--	--	--	--	--	--	--	--	174
JUL									
06-13	--	--	--	--	--	--	--	--	76
JUL									
13-15	--	--	--	--	--	--	--	--	72
JUL									
28-28	--	--	--	--	--	--	--	--	68
SEP									
02-04	<.050	<.050	<.05	<.050	<.05	<.050	<.05	<.050	37

Remark Codes:
< -- Less than

GROUND-WATER LEVELS

GRENADA COUNTY

334215089442701. Local number H024.

LOCATION.--Lat 33°42'21", long 89°44'27", in NW1/4 NE1/4 sec. 11, T.21 N., R.5 E., Choctaw Meridian, Grenada County, Hydrologic Unit 08030205, at old Camp McCain site, 1 mi northeast of Elliott.

Owner: Charles Blakely (formerly U.S. Army).

AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter of casing 18-12 in, depth 82 ft.

INSTRUMENTATION.--Handar 555 Data Collection Platform installed February 1998. Water level transmitted every 4 hours.

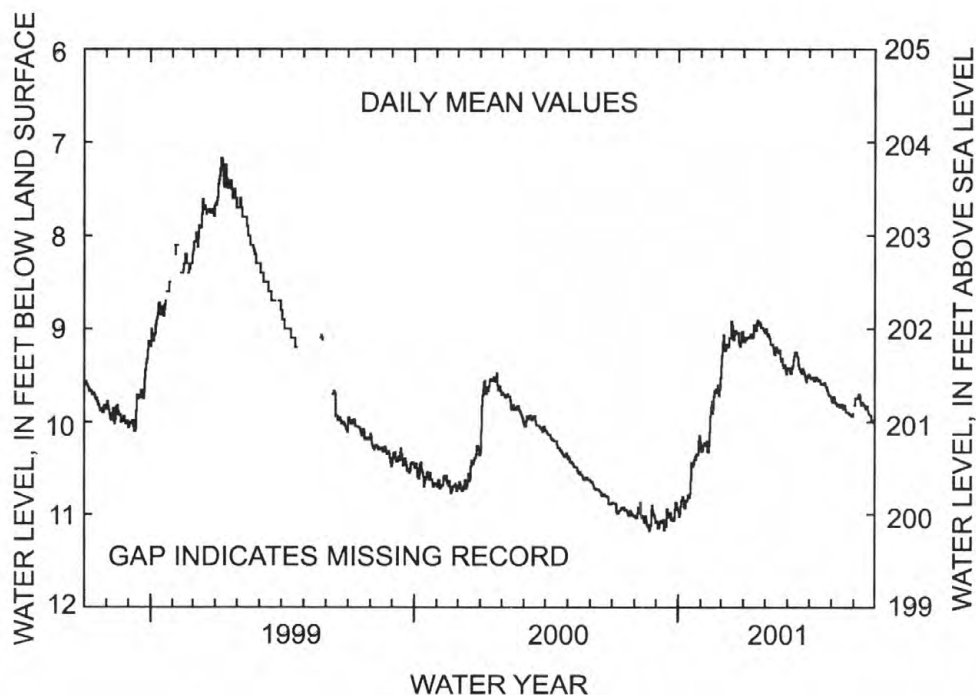
DATUM.--Land-surface datum is 210.5 ft above sea level. Measuring point: Top of 12-in casing, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--Miscellaneous water-level measurements 1943, February 1998 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 7.95 ft below land-surface datum Mar. 19, 1998, lowest measured 10.11 ft, Sept. 30, 1999.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.88	10.99	11.13	10.86	10.26	9.23	9.09	9.06	9.48	9.53	9.75	9.75
10	10.96	11.01	11.08	10.93	10.32	9.20	9.07	9.17	9.30	9.52	9.82	9.79
15	10.93	11.09	11.13	10.81	9.84	8.92	8.96	9.25	9.31	9.55	9.81	9.82
20	10.95	11.14	11.00	10.48	9.67	9.02	8.91	9.24	9.48	9.60	9.86	9.88
25	10.98	10.90	11.07	10.41	9.62	9.14	8.99	9.39	9.52	9.63	9.91	9.98
DOM	11.01	11.09	10.92	10.15	---	9.03	9.04	9.49	9.49	9.72	9.94	10.04
WTR	HIGH 8.92 MAR 15			LOW 11.18 NOV 21								



HINDS COUNTY

321957090105601. Local number, H155.

LOCATION.--Lat 32°19'52", long 90°10'59", in NW1/4 SE1/4 sec.27, T.6 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, on North West Street near Taylor Street, 2.0 mi north of center of Jackson.

Owner: Department of Environmental Quality, Office of Geology.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well (test hole), diameter 4 in, depth 200 ft.

DATUM.--Land-surface datum is 330 ft above sea level. Measuring point: Top of casing, 40 ft above land-surface datum.

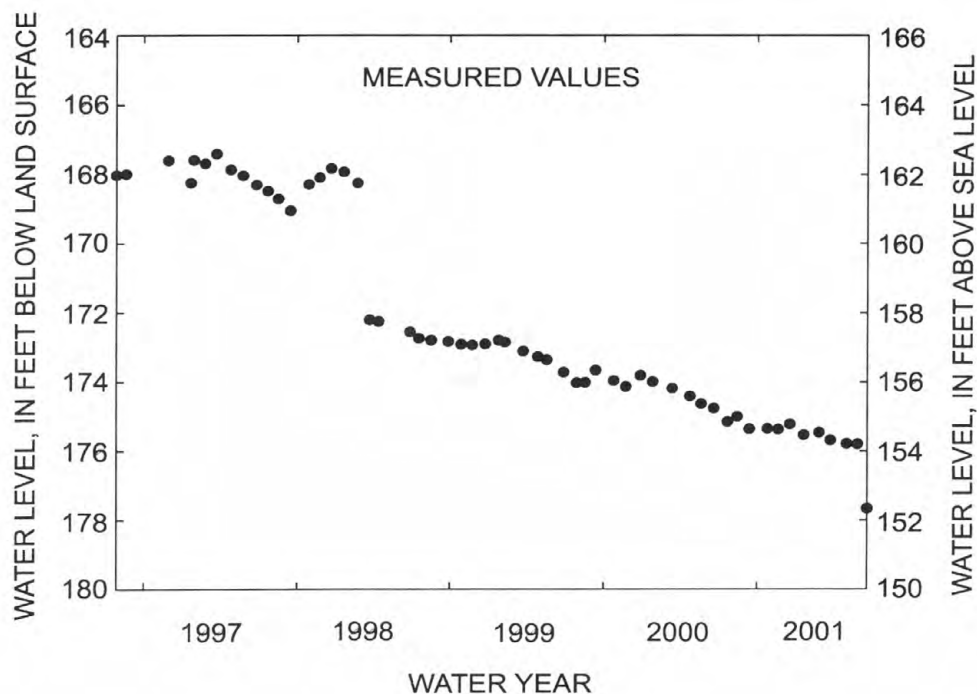
REMARKS.--Slug tested June 1998, well response sluggish, cleaned well with air, water level changed about 4 feet.

PERIOD OF RECORD.--Periodic water-level measurements July 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 143.13 ft below land-surface datum, Jul. 11, 1972, lowest measured, 173.72 ft below land-surface datum, Sept. 28, 1999.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	175.15	DEC 14	175.36	FEB 21	175.37	APR 23	175.53	JUN 25	175.68	AUG 28	175.79
NOV 15	175.00	JAN 26	175.35	MAR 21	175.22	May 29	175.46	AUG 2	175.70	SEP 20	177.66



WAYNE COUNTY

314115088392301. Local number, N151.

LOCATION.--Lat 31°41'07", long 88°39'27", in NE1/4 SE1/4 sec.2, T.8 N., R.7 W., St. Stephens Meridian, Wayne County, Hydrologic Unit 03170002, 1 mi northwest of center of Waynesboro at Turner Street and Gulf Mobile and Ohio Railroad.

Owner: Town of Waynesboro.

AQUIFER.--Waynesboro Sand Lentil of Byram Formation of Oligocene age.

WELL CHARACTERISTICS.--Drilled unused artesian aquifer, diameter 18-8 in, depth 82 ft.

INSTRUMENTATION.--Handar 555 Data Collection Platform. Water level transmitted every 4 hours.

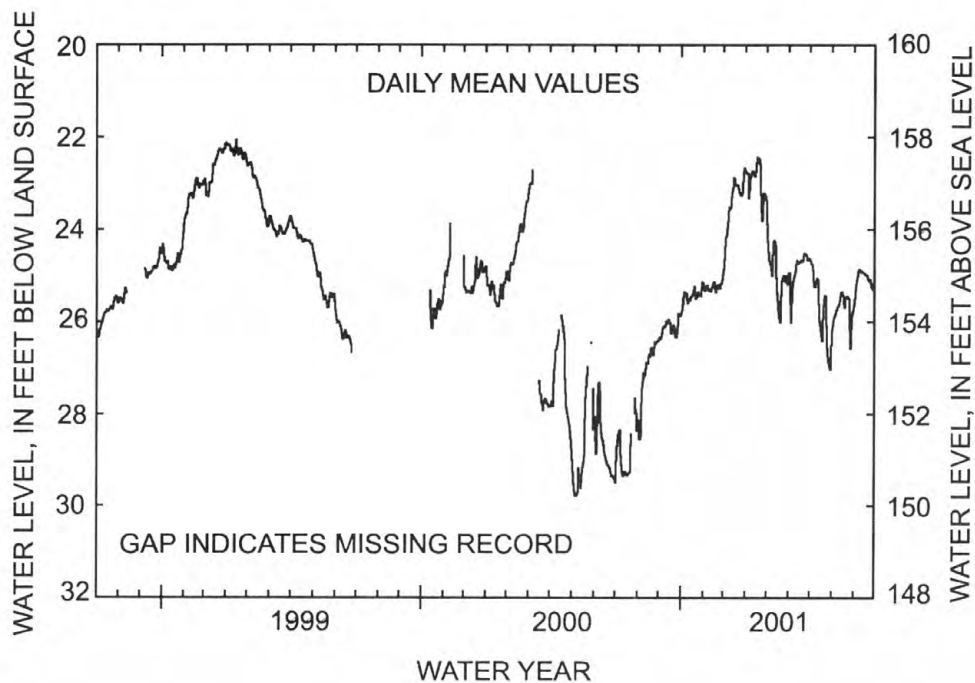
DATUM.--Land-surface datum is 180 ft above sea level. Measuring point: 1-in breather pipe inside shelter, 2.30 ft above land-surface datum.

PERIOD OF RECORD.--Miscellaneous measurements 1973, February 1975 to September 1993, February 1998 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.52 ft below land-surface datum, Apr. 5, 1990, lowest measured, 35.73 ft below land-surface datum, Jan. 22, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	28.45	28.48	26.25	25.35	25.22	24.13	23.32	24.73	25.57	24.88	25.86	25.09
10	29.26	27.19	26.06	25.60	25.32	23.55	22.74	24.27	24.91	25.11	25.66	24.89
15	29.28	26.90	26.03	25.44	25.14	22.88	22.75	25.37	24.72	26.07	25.35	24.93
20	29.29	26.56	26.20	25.41	25.21	23.03	22.49	26.01	24.69	25.65	25.48	25.02
25	---	26.43	26.34	25.41	25.17	23.26	23.43	25.03	24.54	26.56	25.51	25.16
BOM	27.98	26.41	25.86	25.14	---	22.67	23.36	25.19	24.63	27.03	25.80	25.38
WTR	HIGH 22.44 APR 17				LOW 28.56 NOV 4							



GROUND-WATER LEVELS

HINDS COUNTY

322112090195601. Local number, G059.

LOCATION.--Lat 32°21'12", long 90°19'56", in NW1/4 NW1/4 sec.19, T.6 N., R.1 W., Choctaw Meridian, Hinds County.
 Hydrologic Unit 08060202, at Clinton Industrial Park, off west Northside Drive.
 Owner: City of Clinton.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in, depth 893 ft.

DATUM.--Land-surface datum is 325 ft above sea level (from topographic map).

Measuring point: Air vent at pump base, 2.10 ft above land-surface datum.

REMARKS.--Water level affected by length of time pump off before measurement made.

PERIOD OF RECORD.--April 1960, September 1976, October 1980, July 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 192.0 ft below land-surface datum, Apr. 15, 1960, lowest measured, 249.74 ft below land-surface datum, Oct. 5, 1999.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	245.30	APR 23	245.70

322128090174901. Local number, G101.

LOCATION.--Lat 32°21'28", long 90°17'49", in SE1/4 SE1/4 sec.16, T.6 N., R.1 W., Choctaw Meridian, Hinds County.
 Hydrologic Unit 08060202, 2.5 mi northeast of center of Clinton off Northside Drive.
 Owner: City of Clinton.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16 in, depth 842 ft.

DATUM.--Land-surface datum is 297 ft above sea level (from topographic map).

Measuring point: Air vent at pump base, 2.15 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--July 1984, May 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 225 ft below land surface datum, July 18, 1984, lowest measured, 285.92 ft below land-surface datum, Feb. 25, 1994.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	275.94	APR 23	270.05

322003090092501. Local number, H196.

LOCATION.--Lat 32°20'11", long 90°09'33", in SE1/4 NE1/4 sec.25, T.6 N., R.1 E., Choctaw Meridian, Hinds County.
 Hydrologic Unit 03180002, near intersection of Interstate 55 and Lakeland Drive at Mississippi Agriculture and Forestry Museum.
 Owner: Mississippi Department of Agriculture.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 275 ft.

DATUM.--Land-surface datum is 290 ft above sea level (from topographic map).

Measuring point: Top of 4-inch well seal, 0.8 ft above land-surface datum.

PERIOD OF RECORD.--April 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 135.14 ft below land-surface datum, Apr. 26, 1994, lowest measured, 146.79 ft below land-surface datum, Jun. 25, 2001.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	146.12	DEC 14	146.18	FEB 21	146.04	APR 23	146.04	JUN 25	146.79	AUG 28	146.77
NOV 15	145.89	JAN 26	146.08	MAR 21	145.94	MAY 29	146.18	AUG 2	146.73	SEP 20	146.70

321445090160001. Local number, M094.

LOCATION.--Lat 32°14'52", long 90°15'59", in SW1/4 NE1/4 sec. 26, T.5 N., R.1 W., Choctaw Meridian, Hinds County.
 Hydrologic Unit 08060202, on Forest Hill Road in south Jackson.
 Owner: City of Jackson.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in, depth 1,079 ft.

DATUM.--Land-surface datum is 360 ft above sea level (from topographic map).

Measuring point: Air vent at pump base, 4.10 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--August 1968, April 1973, May 1987, May 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 225 ft below land-surface datum, Aug. 1968, lowest measured, 318.35 ft below land-surface datum Dec. 14, 2000.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	316.12	DEC 14	318.35	FEB 21	316.50	---	---	JUN 25	314.26	---	---
NOV 15	318.08	JAN 26	317.76	MAR 21	314.07	MAY 29	314.97	AUG 2	315.85	SEP 25	318.30

321423090180201. Local number, M112.

LOCATION.--Lat 32°14'25", long 90°18'01", in SW1/4 SE1/4 sec. 28, T.5 N., R.1 W., Choctaw Meridian, Hinds County.
 Hydrologic Unit 08060202, on Siwell Road next to fire station in south Jackson.
 Owner: City of Jackson.

AQUIFER.--Sparta sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public supply artesian well, diameter 16 in, depth 1,398 ft.

DATUM.--Land-surface datum is 330 ft above sea level (from topographic map).

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--October 1980, May 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 250 ft below land-surface datum, Oct. 20, 1980, lowest measured, 315.80 ft below land-surface datum, OCT.23, 2000.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	315.80	DEC 14	310.28	FEB 21	298.75	APR 23	294.49	---	---	AUG 29	298.13
NOV 15	312.16	---	---	MAR 21	295.80	MAY 29	312.75	AUG 2	297.78	SEP 20	303.41

HINDS COUNTY--Continued

321752090102601. Local number, N092.

LOCATION.--Lat 32°17'59", long 90°10'32", in SW1/4 SW1/4 sec.2, T.5 N., R.1 E., Choctaw Meridian, Hinds County.

Hydrologic Unit 03180002, southeast corner of Mississippi State Fairgrounds off Jefferson Street.

Owner: Mississippi Fair Commission.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 260 ft.

DATUM.--Land-surface datum is 271 ft above sea level (from topographic map).

Measuring point: Top of 4-in casing, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--June 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 99.01 ft below land-surface datum, June 6, 1986, lowest measured 110.68 ft below land-surface datum, Feb. 21, 2001.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	110.45	DEC 14	110.35	FEB 21	110.68	---	---	---	---	---	---
NOV 15	110.25	JAN 26	109.82	MAR 21	109.80	MAY 29	110.65	JUL 25	110.00	SEP 20	108.70

320554090173902. Local number, V033.

LOCATION.--Lat 32°04'30", long 90°54'33", in NW1/4 SW1/4 sec.15, T.3 N., R.1 W., Choctaw Meridian, Hinds County.

Hydrologic Unit 03180002, near intersection of Jackson Street and Raymond Street in Terry.

Owner: Town of Terry.

AQUIFER.--Sand of Forest Hill Formation of Oligocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10 in, depth 473 ft.

DATUM.--Land-surface datum is 286 ft above sea level (from topographic map).

Measuring point: Top of concrete base, 1.65 ft above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--September 1959, September 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 65 ft below land-surface datum, Sept. 1959, lowest measured, 199.57 ft below land-surface datum, Oct. 5, 1999.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	196.27	APR 23	192.60

MADISON COUNTY

322415090085001. Local number, V029.

LOCATION.--Lat 32°24'22", long 90°09'45", in NW1/4 SE1/4 sec.35, T.7 N., R.1 E., Choctaw Meridian, Madison County.

Hydrologic Unit 03180002, 0.1 mi west of center of Tougaloo at Tougaloo College.

Owner: Tougaloo College.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled institutional use artesian well, diameter 12 in, depth 831 ft.

DATUM.--Land-surface datum is 355 ft above sea level (from topographic map).

Measuring point: 3/4-in air vent, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--June 1969, July 1992 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 233 ft below land-surface datum, June 1969, lowest measured, 325.64 ft below land-surface datum, Nov. 15, 2000.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	325.45	---	---	FEB 21	316.65	APR 23	310.30	JUN 25	313.05	---	---
NOV 15	325.64	JAN 26	312.90	MAR 21	310.56	MAY 29	315.50	AUG 2	315.46	SEP 25	314.38

322627090062401. Local number, W005.

LOCATION.--Lat 32°26'27", long 90°06'24", in NE1/4 NE1/4 sec.20, T.7 N., R.2 E., Choctaw Meridian, Madison County.

Hydrologic Unit 03180002, 1 mi southeast of center of Madison near Bruce Campbell Airport.

Owner: Willard F. Bond Home.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 500 ft.

DATUM.--Land-surface datum is 320 ft above sea level (from topographic map).

Measuring point: Top of concrete base 0.50 ft or hole in plate on well head (since Apr. 24, 1961) at land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

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, 216.91 ft below land-surface datum, Oct. 10, 2000.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	216.91	APR 23	201.92

322528090080401. Local number, W036.

LOCATION.--Lat 32°25'28", long 90°08'04", in NE1/4 NW1/4 sec.30, T.7 N., R.2 E., Choctaw Meridian, Madison County.

Hydrologic Unit 03180002, near US Highway 51 and Natchez Trace in Ridgeland.

Owner: City of Ridgeland.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused public supply artesian well, diameter 10 in, depth 690 ft.

DATUM.--Land-surface datum is 360 ft above sea level (from topographic map).

Measuring point: Air vent at pump base, 2.00 ft above land-surface datum.

REMARKS.--Water level affected by limited time pump off.

PERIOD OF RECORD.--October 1963, April 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 167 ft below land-surface datum, Oct. 14, 1963, lowest measured, 263.57 ft below land-surface datum, Sept. 20, 2000.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	262.04	DEC 14	255.01	FEB 21	247.41	APR 23	248.43	JUN 25	250.93	AUG 29	255.71
NOV 15	260.06	JAN 26	250.96	MAR 21	244.02	MAY 29	250.08	AUG 2	255.85	SEP 20	254.78

GROUND-WATER LEVELS

MADISON COUNTY--Continued

322514090080901. Local number, W069.

LOCATION.--Lat 32°25'13", long 90°08'10", in NE1/4 SW1/4 sec.30, T.7 N., R.2 E., Choctaw Meridian, Madison County.
Hydrologic Unit 03180002, 0.5 mi south of Natchez Trace, west side of U.S. Highway 51 at Ridgeland.

Owner: City of Ridgeland.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16-inch, depth 1161 ft.

DATUM.--Land-surface datum is 350 ft above sea level (from topographic map).

Measuring point: 3/4-inch water faucet tap at the top of pump column, 2.45 ft above land-surface datum (old measuring point of 1.70 ft changed Aug. 3, 2001).

REMARKS.--Water levels affected by the length of pumping time prior to recovery and measurement.

PERIOD OF RECORD.--December 1986, September 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 258 ft below land-surface datum, Dec. 30, 1986, lowest measured, 329.10 ft below land-surface datum, Aug. 21, 2000.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	324.84	DEC 14	319.98	FEB 21	320.67	---	---	JUN 25	323.02	AUG 29	319.28
NOV 15	319.58	JAN 26	320.33	MAR 21	315.20	MAY 29	325.70	AUG 3	320.25	SEP 26	319.05

322702090082301. Local number, W074.

LOCATION.--Lat 32°27'02", long 90°08'23", in SW1/4 NW1/4 sec.18, T.7 N., R.2 E., Choctaw Meridian, Madison County.

Hydrologic Unit 03180002, 0.75 mi southwest of center of Madison.

Owner: City of Madison.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in, depth 1380 ft.

DATUM.--Land-surface datum is 379 ft above sea level (from topographic map).

Measuring point: Vent pipe at pump base, 1.10 ft above land-surface datum.

REMARKS.--Water level affected by limited time pump off.

PERIOD OF RECORD.--November 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 290.42 ft below land-surface datum, Dec. 22, 1987, lowest measured, 343.98 below land-surface datum, Oct. 5, 2000.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	343.98	APR. 23	337.01

RANKIN COUNTY

322249089582101. Local number, G043.

LOCATION.--Lat 32°22'49", long 89°58'21", in SW1/4 NW1/4 sec.10, T.6 N., R.3 E., Choctaw Meridian, Rankin County.

Hydrologic Unit 03180002, 7.4 mi north of Brandon on Spillway road.

Owner: Pearl River Valley Water Supply District.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16 in, depth 1,190 ft.

DATUM.--Land-surface datum is 320 ft above sea level (from topographic map).

Measuring point: Air vent at pump motor base, 1.70 ft above land-surface datum.

REMARKS.--Water level affected by limited time pump off.

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, 244.50 ft below land-surface datum, Oct. 5, 2000.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	228.34	APR 24	224.10

321735090022201. Local number, K067.

LOCATION.--Lat 32°17'37", long 90°08'42", in SE1/4 NE1/4 sec. 12, T.5 N., R.1 E., Choctaw Meridian, Rankin County.

Hydrologic Unit 03180002, 1 mi north of U.S. Highway 80 on State Highway 468 at Payne Drive in Flowood.

Owner: City of Flowood.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused public supply well, diameter 4 in, depth 714 ft.

DATUM.--Land-surface datum is 266 ft above sea level.

Measuring point: Top of 4-in casing, 3.05 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--November 1958, February 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 117.95 ft below land-surface datum Nov. 1958, lowest measured

242.78 ft below land-surface datum, Oct. 10, 2000.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	242.78	APR 24	238.53

321423090045501. Local number, K073.

LOCATION.--Lat 32°14'26", long 90°04'47", in SW1/4 SE1/4 sec. 27, T.5 N., R.2 E., Choctaw Meridian, Rankin County,

Hydrologic Unit 03180002, near intersection of State Highway 468 and Airport Road at Whitfield.

Owner: Department of Mental Health, Hudspeith Center.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10-in casing, 4-in screen, depth 789 ft.

DATUM.--Land-surface datum is 305 ft above sea level.

Measuring point: Top of 10-in casing, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--Miscellaneous water-level measurements June 1961, September 1998 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 133 ft below land-surface datum, Jun. 9, 1961, lowest measured, 208.68 ft below land-surface datum Aug. 21, 2000.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	204.91	DEC 14	202.33	FEB 21	202.26	APR 23	200.84	JUN 25	200.78	---	---
NOV 15	204.38	JAN 26	201.60	MAR 21	201.15	MAY 29	202.78	AUG 2	202.38	SEP 20	203.57

Aquifer names corresponding to geologic units listed in the QUALITY OF GROUND WATER table are given below.

Geologic Unit	Aquifer Name
110ALVM	Quaternary alluvium, Quaternary
110TRCS	Undifferentiated terrace deposits, Quaternary
111ALVM	Holocene alluvium, Holocene
111TRCS	Undifferentiated terrace deposits, Holocene
112MRVA	Mississippi River alluvial aquifer, Pleistocene
112TRCS	Undifferentiated terrace deposits, Pleistocene
121CRNL	Citronelle Formation, Pliocene
121GRMF	Graham Ferry Formation, Pliocene
122PCGL	Pascagoula Formation, Miocene
122HBRG	Hattiesburg Formation, Miocene
122MOCN	Miocene Series, Miocene
122CTHL	Catahoula Formation, Miocene
122CTHLU	Upper Catahoula Formation, Miocene
122CTHLM	Middle Catahoula Formation, Miocene
122CTHLL	Lower Catahoula Formation, Miocene
123WSBR	Waynesboro Sand Lentil (informal usage) of Byram Formation, Oligocene
123CCKS	Chickasawhay Limestone, Oligocene
123VKBG	Vicksburg Group, Oligocene
123MSPG	Mint Spring Marl member of Marianna Limestone, Oligocene
123FRHL	Forest Hill Sand, Oligocene
124MDBC	Moodys Branch Formation, Eocene
124CCKF	Cockfield Formation, Eocene
124SPRT	Sparta Sand, Eocene
124TLT	Tallahatta Formation, Eocene
124MUWX	Meridian-Upper Wilcox aquifer, Eocene
124WLCXM	Middle Wilcox aquifer, Eocene
124WLCXL	Lower Wilcox aquifer, Eocene
211RPLY	Ripley Formation, Upper Cretaceous
211COFF	Coffee Sand, Upper Cretaceous
211EUTW	Eutaw Formation, Upper Cretaceous
211EUTWR	Eutaw Formation (restricted), Upper Cretaceous
211EUTWL	Lower Eutaw Formation, Upper Cretaceous
211MCSN	McShan Formation, Upper Cretaceous
211GORD	Gordo Formation, Upper Cretaceous
211COKR	Coker Formation, Upper Cretaceous
211MSSV	Massive Sand, Upper Cretaceous
300PLZC	Paleozoic Erathem, Paleozoic
331TCMB	Tuscumbia Limestone, Upper Mississippian
337FRPN	Fort Payne Chert, Lower Mississippian

QUALITY OF GROUND WATER

HARRISON COUNTY

WATER QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

303911089090801 B012 HARRISON

DATE	TIME	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	FLOW RATE (G/M)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	COLOR (PLAT-INUM-COBALT UNITS)	SAM-PLING METHOD, CODES	WELL PURGING CONDI-TION (CODE)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
APR 09...	1135	121GRMF	230.00	10.0	15	<5	4090	120	5.5	101	20.5	2.8
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	SAMPLE SOURCE	SAMPLER TYPE (CODE)	SAM-PLING CONDI-TION					
		(70300)	(01046)	(01056)	(72005)	(84164)	(72006)					
APR 09...	120	520	50.0	27.00	4090	8.00						

303540089024801 C146 HARRISON

DATE	TIME	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	FLOW RATE (G/M)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	COLOR (PLAT-INUM-COBALT UNITS)	SAM-PLING METHOD, CODES	WELL PURGING CONDI-TION (CODE)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
APR 09...	1315	122PCGL	476.00	6.0	15	<5	4090	120	5.2	24	21.0	6.5
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	SAMPLE SOURCE	SAMPLER TYPE (CODE)	SAM-PLING CONDI-TION					
		(70300)	(01046)	(01056)	(72005)	(84164)	(72006)					
APR 09...	21	M	3.4	27.00	4090	8.00						

303806089080301 C274 HARRISON SAUCIER

DATE	TIME	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	FLOW RATE (G/M)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	COLOR (PLAT-INUM-COBALT UNITS)	SAM-PLING METHOD, CODES	WELL PURGING CONDI-TION (CODE)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
APR 09...	1425	122HBRG	1410.00	--	10	<5	4045	120	8.2	245	30.0	2.0
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	SAMPLE SOURCE	SAMPLER TYPE (CODE)	SAM-PLING CONDI-TION					
		(70300)	(01046)	(01056)	(72005)	(84164)	(72006)					
APR 09...	162	M	6.8	27.00	4045	8.00						

Remark Codes:
< -- Less than

Null Value Remark Codes:
M -- Presence verified, not quantified

HARRISON COUNTY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

303530088595201 D019 HARRISON

DATE	TIME	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (G/M) (00059)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
APR 09...	1525	121GRMF	326.00	10.0	15	40	4090	120	6.3	154	23.0	3.0
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)					

APR 09...	123	2600	190	27.00	4090	8.00						
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303354089161801 E099 HARRISON

DATE	TIME	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (G/M) (00059)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
APR 09...	1640	121GRMF	420.00	10.0	20	<5	4040	120	8.6	271	24.0	4.5
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)					

APR 09...	153	M	16.0	27.00	4040	8.00						
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303037089093201 F403 HARRISON RIVER BEND

DATE	TIME	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (G/M) (00059)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
APR 11...	1440	122PCGL	700.00	700	10	5	4045	120	7.3	171	25.0	3.3
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)					

APR 11...	143	720	41.0	27.00	4045	8.00						
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Remark Codes:
< -- Less than

Null Value Remark Codes:
M -- Presence verified, not quantified

QUALITY OF GROUND WATER

HARRISON COUNTY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

303009088540601 H048 HARRISON

DATE	TIME	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (G/M) (00059)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
APR 12...	1135	122PCGL	840.00	10.0	15	10	4090	120	8.9	918	23.5	160
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)					
APR 12...	538	M	29.0	27.00	4090	8.00						

302447089165201 J211 HARRISON

DATE	TIME	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (G/M) (00059)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
APR 11...	1300	122CTHL	2410.00	80.0	10	10	4040	120	8.7	574	26.0	75.0
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)					
APR 11...	346	30	30.0	31.00	4040	8.00						

302308089183101 J213 HARRISON DU PONT

DATE	TIME	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (G/M) (00059)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
APR 11...	1135	122HBRG	1780.00	--	--	5	4045	120	8.8	584	32.0	84.0
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)					
APR 11...	341	M	22.0	26.00	4045	8.00						

Null Value Remark Codes:

M -- Presence verified, not quantified

QUALITY OF GROUND WATER

241

HARRISON COUNTY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

302440089033001 L084 HARRISON GULFPORT

DATE	TIME	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (G/M) (00059)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
APR 11...	0835	121GRMP	645.00	860	10	<5	4045	120	8.1	239	25.0	3.2
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)					

APR 11...	173	30	16.0	27.00	4045	8.00						
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302810089060002 L231 HARRISON ORANGE GROVE

DATE	TIME	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (G/M) (00059)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
APR 11...	1005	122PCGL	697.00	300	--	<5	4040	120	8.4	220	25.0	3.4
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)					

APR 11...	169	M	20.0	27.00	4040	8.00						
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302646089053001 L670 HARRISON ORANGE GROVE

DATE	TIME	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (G/M) (00059)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
APR 11...	0925	122PCGL	750.00	1400	15	<5	4045	120	8.3	231	25.5	3.3
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)					

APR 11...	174	M	25.0	27.00	4045	8.00						
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Remark Codes:

< -- Less than

Null Value Remark Codes:

M -- Presence verified, not quantified

QUALITY OF GROUND WATER

HARRISON COUNTY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

302557088530301 M266 HARRISON

DATE	TIME	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (G/M) (00059)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
APR 12...	1225	122PCGL	1240.00	5.0	10	20	4100	120	9.5	1770	23.0	410
DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)						

APR 12...	990	<2	2.6	27.00	4100	4.00						
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302710088531501 M643 HARRISON D'IBERVILLE

DATE	TIME	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (G/M) (00059)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
APR 10...	1455	122PCGL	840.00	600	--	10	4045	120	9.0	547	27.5	39.0
DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)						

APR 10...	335	<2	--	27.00	4045	8.00						
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302304089020301 M657 HARRISON GULFPORT

DATE	TIME	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (G/M) (00059)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
APR 11...	0735	122PCGL	900.00	1640	--	<5	4045	120	8.9	268	26.0	3.8
DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)						

APR 11...	184	M	7.7	27.00	4045	8.00						
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Remark Codes:
< -- Less than

Null Value Remark Codes:
M -- Presence verified, not quantified

QUALITY OF GROUND WATER

243

HARRISON COUNTY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

302812088592101 M711 HARRISON

DATE	TIME	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	FLOW RATE (G/M)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	COLOR (PLAT-INUM-COBALT UNITS)	SAM-PLING METHOD, CODES	WELL PURGING CONDI-TION (CODE)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
APR 12...	1025	122HBRG	1470.00	10.0	20	20	4090	120	8.8	1200	23.0	220
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	SAMPLE SOURCE	SAMPLER TYPE (CODE)	SAM-PLING CONDI-TION					
		(70300)	(01046)	(01056)	(72005)	(84164)	(72006)					
APR 12...	700	M	24.0	28.00	4090	8.00						

302701088593301 M751 HARRISON FRENCH

DATE	TIME	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	FLOW RATE (G/M)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	COLOR (PLAT-INUM-COBALT UNITS)	SAM-PLING METHOD, CODES	WELL PURGING CONDI-TION (CODE)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
APR 12...	0935	122PCGL	805.00	650	--	5	4045	120	9.4	314	26.5	6.4
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	SAMPLE SOURCE	SAMPLER TYPE (CODE)	SAM-PLING CONDI-TION					
		(70300)	(01046)	(01056)	(72005)	(84164)	(72006)					
APR 12...	206	M	4.8	26.00	4045	8.00						

302445088563501 M752 HARRISON VA NATIONAL CEMETERY

DATE	TIME	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	FLOW RATE (G/M)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	COLOR (PLAT-INUM-COBALT UNITS)	SAM-PLING METHOD, CODES	WELL PURGING CONDI-TION (CODE)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE (DEG C)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
APR 10...	1610	122PCGL	965.00	680	--	10	4045	120	9.1	342	27.0	6.6
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	SAMPLE SOURCE	SAMPLER TYPE (CODE)	SAM-PLING CONDI-TION					
		(70300)	(01046)	(01056)	(72005)	(84164)	(72006)					
APR 10...	219	M	4.9	27.00	4045	8.00						

Null Value Remark Codes:

M -- Presence verified, not quantified

QUALITY OF GROUND WATER

HARRISON COUNTY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

302348088550301 M753 HARRISON BILOXI

DATE	TIME	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (G/M) (00059)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
APR 10...	1350	121GRMF	680.00	--	--	<5	4045	120	8.3	309	26.5	6.1
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (CODE) (84164)						
APR 10...	207	10	30.0	26.00	4045	8.00						

302342088515201 M785 HARRISON BILOXI

DATE	TIME	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (G/M) (00059)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
APR 10...	1315	122PCGL	740.00	--	--	10	4045	120	9.0	486	27.0	37.0
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (CODE) (84164)						
APR 10...	297	M	2.7	26.00	4045	8.00						

302441088523901 M790 HARRISON COAST TO COAST SEAFOOD

DATE	TIME	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (G/M) (00059)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
APR 12...	1355	122PCGL	1300.00	250	25	40	4040	120	7.4	1540	26.0	320
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (CODE) (84164)						
APR 12...	842	30	20.0	28.00	4040	8.00						

Remark Codes:
< -- Less than

Null Value Remark Codes:
M -- Presence verified, not quantified

HARRISON COUNTY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

301917089153101 N327 HARRISON PASS CHRISTIAN

DATE	TIME	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (G/M) (00059)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
APR 12...	0800	122PCGL	858.00	750	--	20	4045	120	9.0	621	27.0	46.0
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)					
APR 12...	380	<2	10.0	27.00	4045	8.00						

302215089102001 O011 HARRISON LONG BEACH

DATE	TIME	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (G/M) (00059)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
APR 10...	0855	121GRMF	590.00	330	--	<5	4045	120	8.1	185	24.5	2.9
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)					
APR 10...	154	70	4.7	26.00	4045	8.00						

302204089102701 O307 HARRISON LONG BEACH

DATE	TIME	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (G/M) (00059)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
APR 10...	0935	122HBRG	1640.00	1000	10	5	4045	120	8.9	391	32.0	23.0
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)					
APR 10...	246	10	16.0	27.00	4045	8.00						

Remark Codes:

< -- Less than

QUALITY OF GROUND WATER

HARRISON COUNTY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

302217089091301 0308 HARRISON LONG BEACH

DATE	TIME	GEO- LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (G/M) (00059)	PUMP OR FLOW PERIOD PRIOR TO SAM- PLING (MIN) (72004)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	SAM- PLING METHOD, CODES (82398)	WELL PURGING CONDI- TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
APR 10...	0815	121GRMF	764.00	--	20	<5	4045	120	8.1	240	26.0	3.2
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM- PLING CONDI- TION (72006)					
APR 10...	176	10	57.0	26.00	4045	8.00						

Remark Codes:
 < -- Less than

QUALITY OF GROUND WATER

247

SHARKEY COUNTY

WATER QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

325338090505501 F024 SHARKEY

DATE	TIME	ENDING TIME	GEO- LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	COLOR (PLAT- INUM- COBALT METHOD, CODES (00080)	SAM- PLING METHOD, CODES (82398)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SODIUM, DIS- SOLVED (MG/L AS NA)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CAC03)
AUG 03-10	1400	1200	112MRVA	8.00	<5	8010	4180	404	142	3.00	370	499
AUG 10-24	1030	0900	112MRVA	8.00	--	8010	--	--	--	--	--	--
SEP 27- OCT 11	0945	0900	112MRVA	8.00	--	8010	3410	--	--	--	--	--
DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L AS N) (70300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ANILINE 3-(TRI- FLURO- METHYL) FILT, REC, (UG/L) (50307)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)
AUG 03-10	170	.4	62.0	1920	3480	3.40	10	1970	--	--	--	--
AUG 10-24	--	--	--	--	--	--	--	--	--	--	--	--
SEP 27- OCT 11	--	--	--	--	--	--	--	--	<.050	<.050	<.050	<.050
DATE	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	CYANA- ZINE- AMIDE WATER, FLTRD REC (UG/L) (61709)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DEISO- PROPYL WATER, DISS, REC (UG/L) (04038)	DEISO- PROPYL WATER, FLTRD REC (UG/L) (50378)	DEMETH- YLFLUO- METURON WATER, FLTRD REC (UG/L) (50379)	DEMETH- YLNORF- LURAZON WATER, FLTRD REC (UG/L) (50380)	FLUO- MET- URON WATER, FLTRD REC (UG/L) (61710)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN WATER DISSOLV (UG/L) (82630)	MOLI- NATE WATER FLTRD REC (UG/L) (50375)	NORFLU- RAZONE WATER FLTRD REC (UG/L) (50332)
AUG 03-10	--	--	--	--	--	--	--	--	--	--	--	--
AUG 10-24	--	--	--	--	--	--	--	--	--	--	--	--
SEP 27- OCT 11	<.050	<.050	<.050	<.05	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050
DATE	PENDI- METH- ALIN WATER, FLTRD REC (UG/L) (50376)	PRO- METRYN, WATER, DISS, REC (UG/L) (04036)	PROP- ANIL WATER, FLTRD REC (UG/L) (50377)	PROP- AZINE WATER, DISS, REC (UG/L) (38535)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	TRI- FLUR- ALIN WATER, DISS, REC (UG/L) (38574)	UREA, 3-TRI- FLURO- METHYL- PHENYL UNFLTRD (UG/L) (50473)	TRITIUM 2 SIGMA WATER, WHOLE, TOTAL (PCI/L) (07000)	TRITIUM WHOLE, TOTAL (PCI/L) (75985)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM- PLING CONDI- TION (72006)
AUG 03-10	--	--	--	--	--	--	--	--	--	74.00	8010	30.00
AUG 10-24	--	--	--	--	--	--	--	10.4	.77	74.00	8010	30.00
SEP 27- OCT 11	<.050	<.05	<.050	<.05	<.050	<.05	<.050	--	--	74.00	8010	30.00

Remark Codes:

< -- Less than

QUALITY OF GROUND WATER

SHARKEY COUNTY

WATER QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

325338090505502 F025 SHARKEY

DATE	TIME	ENDING TIME	GEO- LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	SAM- PLING METHOD, CODES	SPE- CIFIC CON- DUCT- ANCE (US/CM)	ACETO- CHLOR, WATER FLTRD REC	ALA- CHLOR, WATER, DISS, REC	ANILINE 3- (TRI FLURO- METHYL) FILT, REC	ATRA- ZINE, WATER, DISS, REC	CYANA- ZINE, WATER, DISS, REC	CYANA- ZINE- AMIDE WATER FLTRD REC
				(72008)	(82398)	(00095)	(49260)	(46342)	(50307)	(39632)	(04041)	(61709)
SEP 27- OCT 11	1000	0910	112MRVA	8.00	8010	2670	<.050	<.050	<.050	<.050	<.050	<.050
DATE	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DEISO- PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DEISO- PROPYL METRYN WATER FLTRD REC (UG/L) (50378)	DEMETH- YLFLUO- METURON WATER FLTRD REC (UG/L) (50379)	DEMETH- YLNORF- LURAZON WATER FLTRD REC (UG/L) (50380)	FLUO- MET- URON WATER FLTRD REC (UG/L) (61710)	METO- LACHLOR WATER DISSOLV REC (UG/L) (39415)	METRI- BUZIN SENCOR WATER DISSOLV REC (UG/L) (82630)	MOLI- NATE WATER FLTRD REC (UG/L) (50375)	NORFLU- RAZONE WATER FLTRD REC (UG/L) (50332)	PENDI- METH- ALIN WATER FLTRD REC (UG/L) (50376)	PRO- METRYN, WATER, DISS, REC (UG/L) (04036)
SEP 27- OCT 11	<.050	<.05	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.050	<.05
DATE	PROP- ANIL WATER FLTRD REC (UG/L) (50377)	PROP- AZINE WATER DISS REC (UG/L) (38535)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	TRI- FLUR- ALIN WATER, DISS, REC (UG/L) (38574)	UREA, 3-TRI- FLURO- METHYL- PHENYL UNFLTRD SOURCE (UG/L) (50473)	SAMPLE TYPE (CODE) (72005)	SAMPLER CONDIT- TION (84164)	SAM- PLING (72006)				
SEP 27- OCT 11	<.050	<.05	<.050	<.05	<.050	74.00	8010	30.00				

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CONVERSION FACTORS AND VERTICAL DATUM

Multiply	By	To obtain
Length		
inch (in.)	2.54×10^1	millimeter
	2.54×10^{-2}	meter
foot (ft)	3.048×10^{-1}	meter
mile (mi)	1.609×10^0	kilometer
Area		
acre	4.047×10^3	square meter
	4.047×10^{-1}	square hectometer
	4.047×10^{-3}	square kilometer
square mile (mi ²)	2.590×10^0	square kilometer
Volume		
gallon (gal)	3.785×10^0	liter
	3.785×10^0	cubic decimeter
	3.785×10^{-3}	cubic meter
million gallons (Mgal)	3.785×10^3	cubic meter
	3.785×10^{-3}	cubic hectometer
cubic foot (ft ³)	2.832×10^1	cubic decimeter
	2.832×10^{-2}	cubic meter
cubic-foot-per-second day [(ft ³ /s) d]	2.447×10^3	cubic meter
	2.447×10^{-3}	cubic hectometer
acre-foot (acre-ft)	1.233×10^3	cubic meter
	1.233×10^{-3}	cubic hectometer
	1.233×10^{-6}	cubic kilometer
Flow		
cubic foot per second (ft ³ /s)	2.832×10^1	liter per second
	2.832×10^1	cubic decimeter per second
	2.832×10^{-2}	cubic meter per second
gallon per minute (gal/min)	6.309×10^{-2}	liter per second
	6.309×10^{-2}	cubic decimeter per second
	6.309×10^{-5}	cubic meter per second
million gallons per day (Mgal/d)	4.381×10^1	cubic decimeter per second
	4.381×10^{-2}	cubic meter per second
Mass		
ton (short)	9.072×10^{-1}	megagram or metric ton

Sea level: In this report "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)—a geodetic datum derived from a general adjustment for the first-order level nets of both the United States and Canada, formerly called Sea Level Datum of 1929.



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