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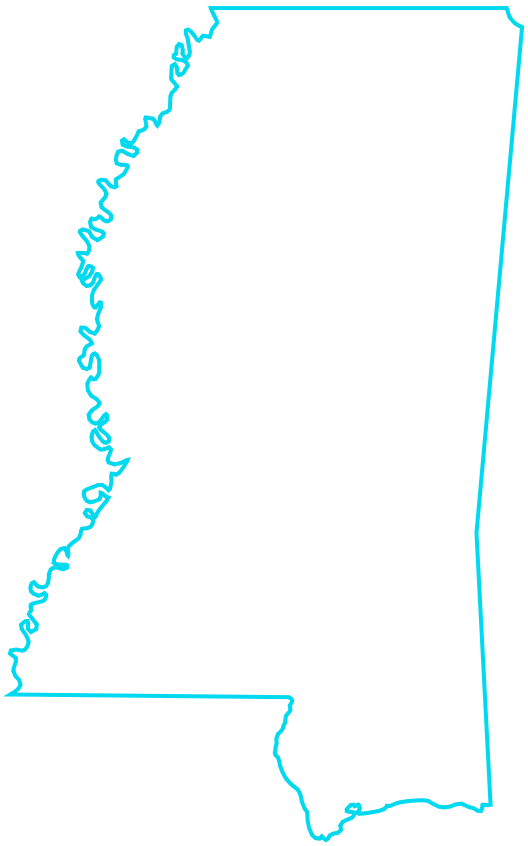
Water Resources Data
Mississippi
Water Year 2003



Water-Data Report MS-03-1

U.S. Department of the Interior
U.S. Geological Survey

CALENDAR FOR WATER YEAR 2003

2002

OCTOBER

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2003

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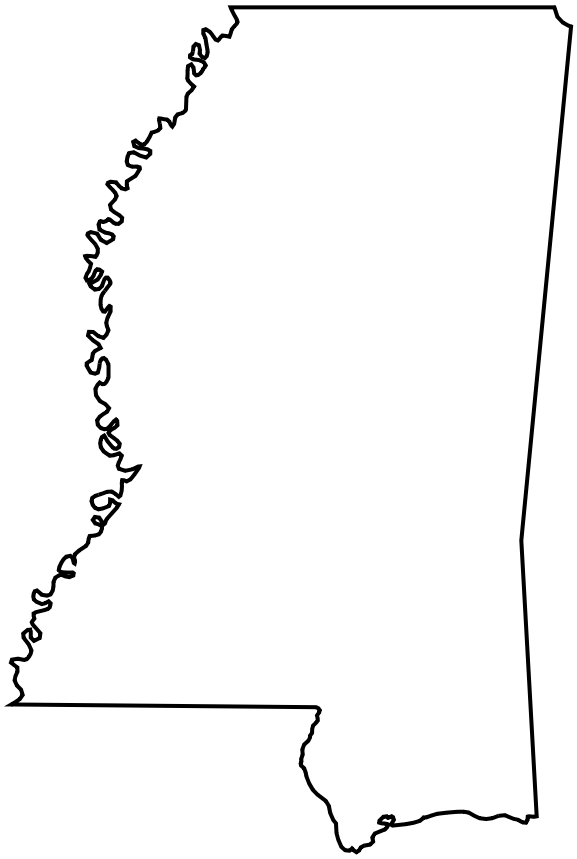
Water Resources Data Mississippi Water Year 2003

By Fred Morris III, Michael S. Runner, John B. Storm

Water-Data Report MS-03-1



Prepared in cooperation with State, county, municipal, and other Federal agencies

U.S. Department of the Interior
U.S. Geological Survey

U.S. Department of the Interior
Gale A. Norton, Secretary

U.S. Geological Survey
Charles G. Groat, Director

2004

U.S. Geological Survey
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Information about the USGS, Mississippi District is available on the Internet at http://ms.water.usgs.gov/

Information about all USGS reports and products is available by calling 1-888-ASK-USGS or on the Internet via the World Wide Web at http://www.usgs.gov/

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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:

J.H. Alvis	D.K. Massingill	R.V. Simmons
W.T. Baldwin	K.J. Oberhofer	G.T. Snellings
K.E. Burks	A.L. Pegues	S.J. Stocks
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J.R. Howell	B.A. Roberts	K.E. Winters
M.A. Manning	M.S. Runner	

Joyce Kellum is responsible for typing and editing this report.

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

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Fred Morris III, Michael S. Runner, and John B. Storm

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12b. DISTRIBUTION CODE

13. ABSTRACT *(Maximum 200 words)*

Water resources data for the 2003 water year for Mississippi consist of records of surface water and ground water in the State. Specifically, it contains: (1) Discharge records for 94 streamflow-gaging stations, stage records for 20 of these gaging stations, discharge records for 98 partial-record stations or miscellaneous streamflow sites, including 10 flood hydrograph partial-record stations, 78 crest-stage partial-record stations, and 10 special study and miscellaneous sites; (2) stage only at 7 gaging stations; (3) water-quality records for 10 streamflow-gaging stations, 5 stage-only stations, 3 water-quality monitor stations, 0 partial-record stations or miscellaneous sites, 11 short-term study sites, and 24 wells; and (4) water-level records for 19 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, in cooperation with State, county, municipal, and other 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.

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Unclassified			

ILLUSTRATIONS

SURFACE-WATER STATIONS, IN DOWNSTREAM ORDER, BY WHICH RECORDS ARE PUBLISHED

[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,(h) pH, (o) dissolved-oxygen, (k) specific conductance, (n) turbidity (f) field values; temperature, pH dissolved-oxygen, specific conductance]

SURFACE-WATER STATIONS, IN DOWNSTREAM ORDER, BY WHICH RECORDS ARE PUBLISHED--Continued

GROUND-WATER STATIONS FOR WHICH RECORDS ARE PUBLISHED

GROUND-WATER LEVELS

QUALITY OF GROUND-WATER

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--continued

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, 1973-78
Tennessee-Tombigbee Waterway at Cross Roads (e)	03592824	indeterminate	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, 1950-74
Little Tallahatchie R at Sardis, MS (d)	07272500	1545.0	1940-80
Tallahatchie R near Sardis, MS (d)	07273000	1595.0	1932-42
Hotopha Cr near Batesville, MS (d)	07273100*	35.1	1986-01
Little Tallahatchie R at Batesville, MS (d)	07273500	1750.0	1907-13
Town Cr at Water Valley, MS (d)	07274251*	3.97	1985-01
Otoucalofa Cr Canal near Water Valley, MS (d)	07274252*	97.1	1985-01
Yocona R at Enid Dam, MS (d)	07275000	560.0	1928-80
Peters (Long) Cr near Pope, MS (d)	07275530*	79.2	1987-01
Coldwater R near Lewisburg, MS (d)	07276000	218.0	1940-53
Pigeonroost Cr near Lewisburg, (d)	07277000	228.0	1940-53
Coldwater R near Coldwater, MS (d)	07277550	617.0	1928-42
Senatobia Cr near Senatobia, MS (d)	07277730*	62.8	1986-01
Coldwater R at Arkabutla Dam, MS (d)	07278500	1000.0	1937-80
Coldwater R at Savage, MS (d)	07279500	1225.0	1909-12, 1936-42
Tallahatchie R near Lambert, MS (d)	07280000	1980.0	1936-80
Tillatoba Cr Bl Oakland, MS (d)	07280270	37.1	1974-84
South Fork Tillatoba Cr near Charleston, MS (d)	07280340	53.9	1975-87
North Fork Tillatoba Cr near Teasdale, MS (d)	07280460	30.8	1984-89
Tallahtchie R at Swan Lake, MS (d)	07281000	5130.0	1939-80
Yalobusha R at Graysport, MS (d)	07282500	607.0	1940-49
Skuna R near Coffeeville, MS (d)	07283500	435.0	1940-49
Yalobusha R at Grenada Dam near Grenada, MS (d)	07285000	1320.0	1961-80
Batupan Bogue at Grenada, MS (d)	07285400	240.0	1985-97
Askalmore Cr at Retention Dam near Cascilla, MS (d)	07285900	10.5	1967-74
Thompson Cr at McCarley, MS (d)	07286500	14.4	1957-64
Yazoo R at Greenwood, MS (d)	07287000	7450.0	1908-13, 1928-80
Fannegusha Cr near Howard, MS (d)	07287355	107.0	1987-96, 1999-00
Harland Cr near Howard, MS (d)	07287404*	62.1	1987-97, 1999-00
Black Cr at Howard, MS (d)	07287405*	178.0	1999-01
Big Sunflower R at Clarksdale, MS (d)	07288000	108.0	1937-42
MISSISSIPPI RIVER BASIN			
Big Black R at Pickens, MS (d)	07289500	1493.0	1936-71
Bayou Pierre near Carpenter, MS (d)	07290500	371.0	1945-51
Mississippi R at Natchez, MS (d)	07290880	1145400.0	1949-78
Homochitto R near Bude, MS (d)	07291500	399.0	1942-50
Homochitto R near Kingston, MS (d)	07293500	1000.0	1945-49
Homochitto R near Doloroso, MS (d)	07294500	1120.0	1940-51

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	1973-79
			n	1975-79
			k,h,o	1976-79
			s	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
			t	1970-72
Pascagoula River near Benndale, MS	02479020	6,680	k,t	1980-81
			t	1958-60, 80-81
Red Creek near Carnes, MS	024791834	--	k,t	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	1973-78
			n,o	1976-78
			h	1977-78
Tenn-Tom Waterway at Cross Roads, MS	03592824	--	k,t,n,s	1980-85
			h	1983-85
			o	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	1986-87
			h	1987
			s	1986-97
Otoucalofa Creek Canal near Water Valley, MS	07274252	97.1	k,t,o	1985-87
			h	1986-87
			s	1985-97
Peters (Long) Creek near Pope, MS	07275530	79.2	k,h,t,o	1987
			s	1987-97
Hickahala Creek near Senatobia, MS	07277700 *	121	k,h,t,o	1986-89
Senatobia Creek near Senatobia, MS	07277730	62.8	k,h,t,o	1986-88
			s	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	1985-87
			s	1985-97
Yazoo River near Shell Bluff, MS	07287120	7,650	t	1977-81
			k	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	1987
			s	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	1,144,500	k,t	1989-94
BIG BLACK RIVER BASIN				
Big Black River near Bovina, MS	07290000	2,812	k,t	1978-81
HOMOCHITTO 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, county, municipal, and other 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."

Water resources data for this water year for Mississippi consists of records of surface water and ground water in the State. Specifically, it contains: (1) Discharge records for 94 streamflow-gaging stations, stage records for 20 of these gaging stations, discharge records for 98 partial-record stations or miscellaneous streamflow sites, including 10 flood hydrograph partial-record stations, 78 crest-stage partial-record stations and 10 special study and miscellaneous sites; (2) stage only at 7 gaging stations; (3) water-quality records for 10 streamflow-gaging stations, 5 stage-only stations, 3 water-quality monitor stations, 0 partial-record stations or miscellaneous sites, 11 short-term study sites, and 24 wells; and (4) water-level records for 19 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 U.S. Geological Survey Information Service Center, Box 25286, Denver, CO 80225.

Publications similar to this report are published annually by the U.S. Geological Survey for all States. These official USGS 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 USGS are:

Mississippi Department of Environmental Quality, Charles H. Chisolm, Executive Director.
Office of Land and Water Resources, Jamie Crawford, Director.
Office of Pollution Control, Phil Bass, Director.
Mississippi Department of Marine Resources, William W. Walker, Executive Director.
Mississippi Department of Transportation, Larry L. Brown, 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.
Yazoo Mississippi Delta Joint Water Management District, Dean Pennington, Executive Director.
Harrison County Board of Supervisors, Elmer Williams, President.
Harrison County Development Commission, Michael J. Olivier, Executive Director.
Jackson County Port Authority, Mark M^{c}Andrews, 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 36 streamflow-gaging stations, 1 stage-only gaging station, 4 crest-stage gages, and 8 surface-water quality sites published in this report.

Organizations that provided data are acknowledged in station descriptions.

SUMMARY OF HYDROLOGIC CONDITIONS

Surface Water

Streamflow

Annual mean streamflow was normal in most streams in Mississippi during the 2003 water year. Comparisons of monthly mean and annual mean discharges in the 2003 water year with median values for the period 1971-2000 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 the Tombigbee River at Stennis Lock and Dam near Columbus were above normal ($\pm$25 percent of the median for the reference period 1971-2000) during the months of May and July. The monthly mean discharges at the Big Black River near Bovina and Pascagoula River at Merrill were within normal conditions all year. 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 32.89 inches for the water year, or 151 percent of the median annual runoff of 21.75 inches for the reference period 1971-2000. Dischage was above normal in May and July, when the monthly mean discharges were 158 and 161 of the 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 35.21 inches for the water year, or 166 percent of the median annual runoff for the reference period (21.21 inches). Monthly mean discharges were within the normal range throughout the year.

Runoff of the Big Black River near Bovina was 30.46 inches for the water year, or 153 percent of the median annual runoff for the reference period (19.88 inches). Monthly mean discharges were within the normal range throughout the year.

Water Quality

The surface-water quality of most of Mississippi's approximately 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.

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-oxygen concentrations and values of pH during water year 2003 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 2003

	Minimum	Median	Maximum
Dissolved-oxygen concentration, in milligrams per liter	3.8	7.0	11.5
pH, in standard units	6.7	7.2	7.7

Ground Water

Ground-Water Levels

Ground-water levels in most artesian aquifers in Mississippi continued long-term declines in the latter part of the 2003 water year following seasonal water-level recoveries during the early part of the next year. Fluctuations of ground-water levels in a confined aquifer in a representative observation well is shown in the hydrograph in figure 1.

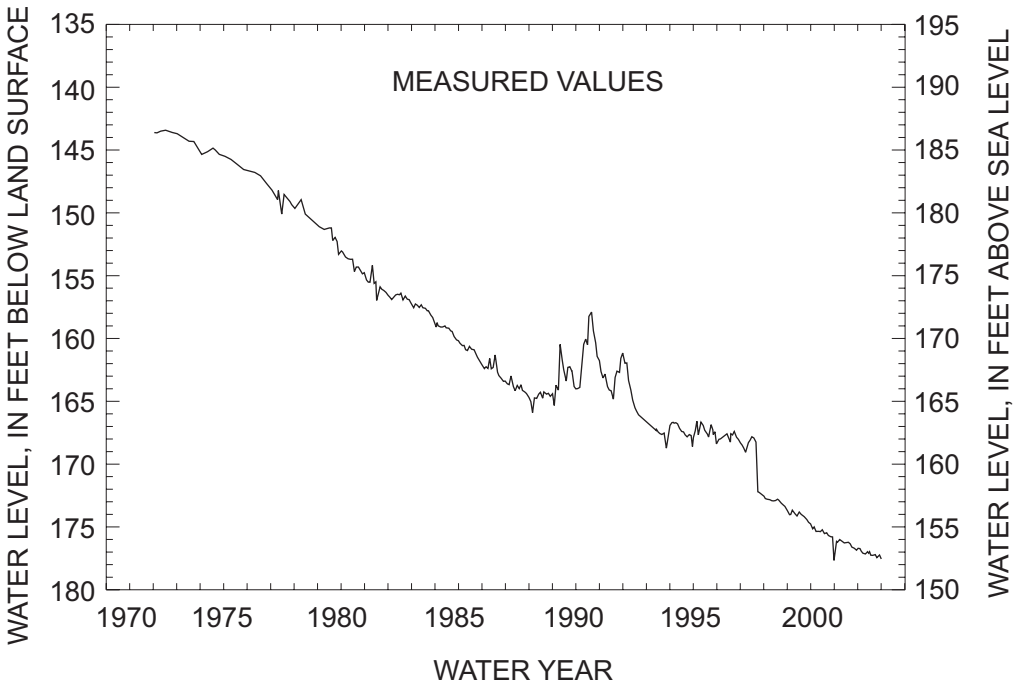


Figure 1.--Hydrograph of well in the Cockfield aquifer in the Jackson metropolitan area.

Ground-water withdrawals are concentrated in the urbanized and industrialized areas of Mississippi 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.

DOWNSTREAM ORDER AND STATION NUMBER

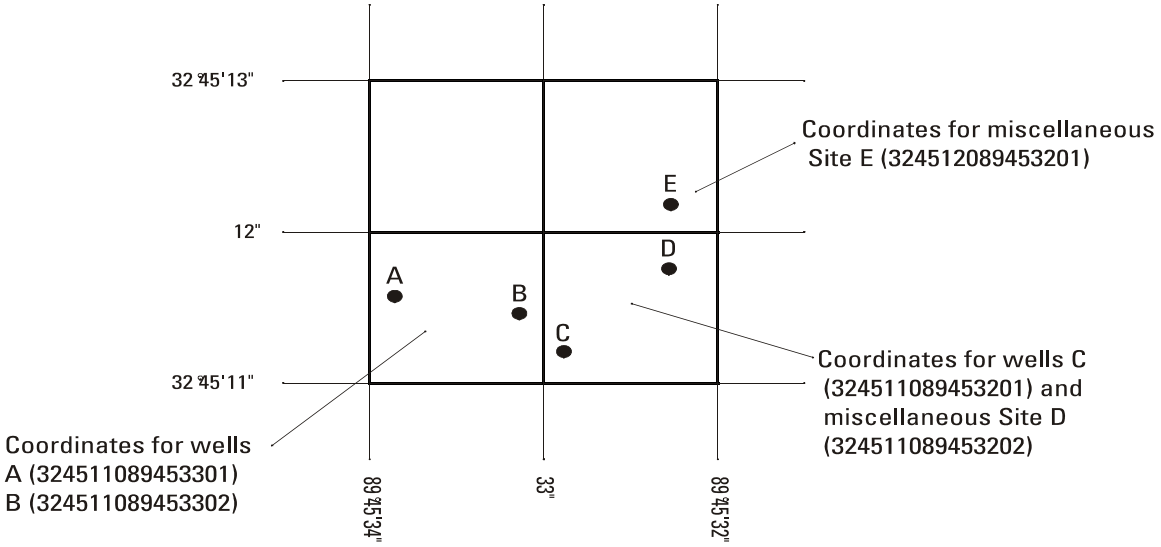
Since October 1, 1950, hydrologic-station records in USGS reports have been listed in order of downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary entering between two main-stream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

As an added means of identification, each continuous surface-water station, partial-record (surface-water and water-quality) station, water-quality site, and spring stations where discharge measurements are routine, has been assigned a station number. Downstream order numbers also may be assigned to spring, outfall, and surface-water diversion sites where water-use data are collected. These station numbers are in the same downstream order used in this report. In assigning a station number, no distinction is made between types of stations; therefore, the station number for a partial-record station indicates downstream-order position in a list composed of all types of stations. Gaps are consecutive. The complete 8 to 14-digit number for each station such as 02429900, which appears just to the left of the station name, includes a 2-digit part number “02” plus the 6 to 12-digit

downstream order number “429900.” The part number refers to an area whose boundaries coincide with certain natural drainage lines. Records in this report are in part “02” (South Atlantic slope and eastern Gulf of Mexico basins), part “03” (Ohio River basin), and part “07” (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. The stations are numbered in downstream order as described above between stations of consecutive 8 to 14-digit numbers.

NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

The USGS well and miscellaneous site-numbering system is based on the grid system of latitude and longitude. This system includes: ground-water sites, water-quality grab sample sites, precipitation sites, miscellaneous surface-water sites, sites within large open-water areas (lakes, reservoirs, bays), sites where there is difficulty in assigning a meaningful downstream order number, or sites where data are obtained intermittently. The system provides a unique number for each site. Although the number is formed initially from the latitude and longitude of a point believed to represent the location of the site, it is an *identifier* and not a *locator.* It cannot be too strongly emphasized that the number, once assigned, is used as a pure number and *has no locational significance* beyond representing the best location available at the time the number was assigned. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, and the next 7 digits denote degrees, minutes, and seconds of longitude; the last 2 digits are a sequential number for sites within a 1-second grid. In the event that the latitude-longitude coordinates for multiple sites are the same, a sequential number such as “01,” “02,” and so forth, would be assigned (see fig. 2).



SPECIAL NETWORKS AND PROGRAMS

Hydrologic Benchmark Network is a network of 61 sites in small drainage basins in 39 States that was established in 1963 to provide consistent streamflow data representative of undeveloped watersheds nationwide, and from which data could be analyzed on a continuing basis for use in comparison and contrast with conditions observed in basins more obviously affected by human activities. At selected sites, water-quality information is being gathered on major ions and nutrients, primarily to assess the effects of acid deposition on stream chemistry. Additional information on the Hydrologic Benchmark Program may be accessed from http://water.usgs.gov/hbn/.

National Stream-Quality Accounting Network (NASQAN) is a network of sites used to monitor the water quality of large rivers within the Nation’s largest river basins. From 1995 through 1999, a network of approximately 40 stations was operated in the Mississippi, Columbia, Colorado, and Rio Grande River basins. For the period 2000 through 2004, sampling was reduced to a few index stations on the Colorado and Columbia Rivers 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 (NAWQA) Program; (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 may be accessed from *http://water.usgs.gov/nasqan/*.

The National Atmospheric Deposition Program/National Trends Network (NADP/NTN) is a network of monitoring sites that provide 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 this network of 250 precipitation-chemistry monitoring sites. The USGS supports 74 of these 250 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 data from the individual sites, may be accessed from *http://bqs.usgs.gov/acidrain/*.

The USGS National Water-Quality Assessment (NAWQA) Program 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; to provide an improved understanding of the primary natural and human factors affecting these observed conditions and trends; and to provide information that supports development and evaluation of management, regulatory, and monitoring decisions by other agencies.

Assessment activities are being conducted in 42 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 is 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 water-resources managers to use in making decisions 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 may be accessed from *http://water.usgs.gov/nawqa/*.

The USGS National Streamflow Information Program (NSIP) is a long-term program with goals to provide framework streamflow data across the Nation. Included in the program are creation of a permanent Federally funded streamflow network, research on the nature of streamflow, regional assessments of streamflow data and databases, and upgrades in the streamflow information delivery systems. Additional information about NSIP may be accessed from *http://water.usgs.gov/nsip/*.

EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS

Data Collection and Computation

The base data collected at gaging stations (figures 4 and 5) consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and volume of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from a water-stage recorder that is either downloaded electronically in the field to a laptop computer or similar device or is transmitted using telemetry such as GOES satellite, land-line or cellular-phone modems, or by radio transmission. Measurements of discharge are made with a current meter or acoustic Doppler current profiler, using the general methods adopted by the USGS. These methods are described in standard textbooks, USGS Water-Supply Paper 2175, and the Techniques of Water-Resources Investigations of the United States Geological Survey (TWRIs), 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).

For stream-gaging stations, discharge-rating tables for any stage are prepared from stage-discharge curves. If extensions to the rating curves are necessary to express discharge greater than measured, the extensions are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, or computation of flow over dams and weirs), step-backwater techniques, velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharges are computed from the daily values. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features of the stream channel, the daily mean discharge is computed by the shifting-control method in which correction factors based on individual discharge measurements and notes by engineers and observers are used when applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the controlling section, the daily mean discharge is computed by the shifting-control method.

The stage-discharge relation at some stream-gaging stations is affected by backwater from reservoirs, tributary streams, or other sources. Such an occurrence 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 at some distance from the base gage.

An index velocity is measured using ultrasonic or acoustic instruments at some stream-gaging stations and this index velocity is used to calculate an average velocity for the flow in the stream. This average velocity along with a stage-area relation is then used to calculate average discharge.

At some stations, stage-discharge relation is affected by changing stage. At these stations, the rate of change in stage is used as a factor in computing discharge.

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

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

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

For some stream-gaging stations, periods of time occur when no gage-height record is obtained or the recorded gage height is faulty and cannot be used to compute daily discharge or contents. Such a situation can happen when the recorder stops or otherwise fails to operate properly, the intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods, the daily discharges are estimated on the basis of recorded range in stage, prior and subsequent records, discharge measurements, weather records, and comparison with records from other stations in the same or nearby basins. Likewise, lake or reservoir volumes may be estimated on the basis of operator's log, prior and subsequent records, inflow-outflow studies, and other information.

Data Presentation

The records published for each continuous-record surface-water discharge station (stream-gaging station) consist of four parts: (1) the station manuscript or description; (2) the data table of daily mean values of discharge for the current water year with summary data; (3) a tabular statistical summary of monthly mean flow data for a designated period, by water year; and (4) 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 follow that clarify information presented under the various headings of the station description.

LOCATION.—Location information is obtained from the most accurate maps available. The location of the gaging station 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 term indicates the time period for which records have been published 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 its flow reasonably can be considered equivalent to flow at the present station.

REVISED RECORDS.—If a critical error in published records is discovered, a revision is included in the first report published following discovery of the error.

GAGE.—The type of gage in current use, the datum of the current gage referred to a standard datum, 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 will be identified by date in this paragraph of the station description for water-discharge stations and flagged in the daily discharge table. (See section titled Identifying Estimated Daily Discharge.) Information is presented 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, the outlet works and spillway, and the purpose and use of the reservoir.

COOPERATION.—Records provided by a cooperating organization or obtained for the USGS by a cooperating organization are identified here.

EXTREMES OUTSIDE PERIOD OF RECORD.—Information here documents 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 USGS.

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.—Records are revised if errors in published records are discovered. Appropriate updates are made in the USGS distributed data system, NWIS, and subsequently to its Web-based National data system, NWISWeb (*http://water.usgs.gov/nwis/nwis*). Users are encouraged to obtain all required data from NWIS or NWISWeb to ensure that they have the most recent data updates. Updates to NWISWeb are made on an annual basis.

Although rare, occasionally the records of a discontinued gaging station may need revision. Because no current or, possibly, future station manuscript would be published for these stations 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 District Office (address given on the back of the title page of this report) to determine if the published records were revised after the station was discontinued. If, however, the data for a discontinued station were obtained by computer retrieval, the data would be current. Any published revision of data is always accompanied by revision of the corresponding data in computer storage.

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

Peak Discharge Greater than Base Discharge

Tables of peak discharge above base discharge are included for some stations where secondary instantaneous peak discharge data are used in flood-frequency studies of highway and bridge design, flood-control structures, and other flood-related projects.

The base discharge value is selected so an average of three peaks a year will be reported. This base discharge value has a recurrence interval of approximately 1.1 years or a 91-percent chance of exceedence in any 1 year.

Data Table of Daily Mean Values

The daily table of discharge records for stream-gaging stations gives 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 arithmetic average flow in cubic feet per second for the month; and the lines headed MAX and MIN give the maximum and minimum daily mean discharges, respectively, for each month. Discharge for the month is 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). Values for cubic feet per second per square mile and runoff in inches or in acre-feet may be omitted if extensive regulation or diversion is in effect or if the drainage area includes large noncontributing areas. At some stations, monthly and (or) yearly observed discharges are adjusted for reservoir storage or diversion, or diversion data or reservoir volumes are given. These values are identified by a symbol and a corresponding footnote.

Statistics of Monthly Mean Data

A tabular summary of the mean (line headed MEAN), maximum (MAX), and minimum (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 values. 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. The designated period will consist of all of the station record within the specified water years, including complete months of record for partial water years, and may coincide with the period of record for the station. The water years for which the statistics are computed are 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 records within the specified water years, including complete months of record for partial water years, and may coincide with the period of record for the station. The water years for which the statistics are computed are 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 the dates of occurrence do not fall within the selected water years listed in the heading, it will be noted in the REMARKS paragraph or in footnotes. Selected streamflow duration-curve statistics and runoff data also are given. Runoff data may be omitted if extensive regulation or diversion of flow is in effect in the drainage basin.

The following summary statistics data are provided with each continuous record of discharge. Comments that 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.

ANNUAL MEAN.—The arithmetic mean for the individual daily mean discharges for the year noted or for the designated period.

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.

MAXIMUM PEAK FLOW.—The maximum instantaneous peak discharge occurring for the water year or designated period. Occasionally the maximum flow for a year may occur at midnight at the beginning or end of the year, on a recession from or rise toward a higher peak in the adjoining year. In this case, the maximum peak flow is given in the table and the maximum flow may be reported in a footnote or in the REMARKS paragraph in the manuscript.

MAXIMUM PEAK STAGE.—The maximum instantaneous peak stage occurring for the water year or designated period. Occasionally the maximum stage for a year may occur at midnight at the beginning or end of the year, on a recession from or rise toward a higher peak in the adjoining year. In this case, the maximum peak stage is given in the table and the maximum stage may be reported in the REMARKS paragraph in the manuscript or in a footnote. If the dates of occurrence of the maximum peak stage and maximum peak flow are different, 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 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) indicate 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 tables. The first table lists stage and discharge data for selected events at flood-hydrograph stations, and the second table lists annual maximum stage and discharge at crest-stage stations. The tables of partial-record stations are followed by a listing of discharge measurements made at sites other than continuous-record or partial-record stations. These measurements are often made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for a 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. This identification is shown either by flagging individual daily values with the letter “e” and noting in a table footnote, “e–Estimated,” or by listing the dates of the estimated record in the REMARKS paragraph of the station description.

Accuracy of Field Data and Computed Results

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

The degree of accuracy of the records is stated in the REMARKS in the station description. "Excellent" indicates that about 95 percent of the daily discharges are within 5 percent of the true value; "good" within 10 percent; and "fair," within 15 percent. "Poor" indicates that daily discharges have less than "fair" accuracy. Different accuracies may be attributed to different parts of a given record.

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

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, values 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 Data Records Available

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

Information on the availability of unpublished data or statistical analyses may be obtained from the District office (see address that is shown on the back of the title page of this report).

EXPLANATION OF PRECIPITATION RECORDS

Data Collection and Computation

Rainfall data generally are collected using electronic data loggers that measure the rainfall in 0.01-inch increments every 15 minutes using either a tipping-bucket rain gage or a collection well gage. Twenty-four hour rainfall totals are tabulated and presented. A 24-hour period extends from just past midnight of the previous day to midnight of the current day. Snowfall-affected data can result during cold weather when snow fills the rain-gage funnel and then melts as temperatures rise. Snowfall-affected data are subject to errors. Missing values are indicated by this symbol "---" in the table.

Data Presentation

Precipitation records collected at surface-water gaging stations are identified with the same station number and name as the stream-gaging station. Where a surface-water daily-record station is not available, the precipitation record is published with its own name and 15-digit identification number.

Information pertinent to the history of a precipitation station is provided in descriptive headings preceding the tabular data. These descriptive headings give details regarding location, period of record, and general remarks.

The following information is provided with each precipitation station. Comments that follow clarify information presented under the various headings of the station description.

LOCATION.—See Data Presentation in the EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS section of this report (same comments apply).

PERIOD OF RECORD.—See Data Presentation in the EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS section of this report (same comments apply).

INSTRUMENTATION.—Information on the type of rainfall collection system is given.

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

EXPLANATION OF WATER-QUALITY RECORDS

Collection and Examination of Data

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

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

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

Water Analysis

Most of the methods used for collecting and analyzing water samples are described in the TWRIs. A list of TWRIs is provided in this report.

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 at several verticals to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

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

For chemical-quality stations equipped with digital monitors, the records consist of daily maximum and minimum values (and sometimes mean or median values) for each constituent measured, and are based on 15-minute or 1-hour intervals of recorded data beginning at 0000 hours and ending at 2400 hours for the day of record.

SURFACE-WATER-QUALITY RECORDS

Records of surface-water quality ordinarily are obtained at or near stream-gaging stations because discharge data is useful in the interpretation of surface-water quality. Records of surface-water quality in this report 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 *continuous-record station* is a site where data are collected on a regularly scheduled basis. Frequency may be one 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 continuous- or partial-record station, where 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 *continuous records* as used in this report and *continuous recordings* that refer to a continuous graph or a series of discrete values recorded at short intervals. Some records of water quality, such as specific conductance and temperature, 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.

Accuracy of the Records

One of four accuracy classifications is applied for measured physical properties at continuous-record stations on a scale ranging from poor to excellent. The accuracy rating is based on data values recorded before any shifts or corrections are made. Additional consideration also is given to the amount of publishable record and to the amount of data that have been corrected or shifted.

Rating classifications for continuous water-quality records

[≤, less than or equal to; ± °C, degree Celsius; >, greater than; %, percent; mg/L, milligram per liter; pH unit, standard pH unit]

Measured physical property	Rating			
	Excellent	Good	Fair	Poor
Turbidity	≤ ±5%	> ±5 to 10%	> ±10 to 15%	> ±15%
Dissolved oxygen	≤ ±0.3 mg/L	> ±0.3 to 0.5 mg/L	> ±0.5 to 0.8 mg/L	> ±0.8 mg/L
pH	≤ ±0.2 unit	> ±0.2 to 0.5 unit	> ±0.5 to 0.8 unit	> ±0.8 unit
Specific conductance	≤ ±3%	> ±3 to 10%	> ±10 to 15%	> ±15%
Water temperature	≤ ±0.2 °C	> ±0.2 to 0.5 °C	> ±0.5 to 0.8 °C	> ±0.8 °C

Arrangement of Records

Water-quality records collected at a surface-water daily record station are published immediately following that record, regardless of the frequency of sample collection. Station number and name are the same for both records. Where a surface-water daily record station is not available or where the water quality differs significantly from that at the nearby surface-water station, the continuing water-quality record is published with its own station number and name in the regular downstream-order sequence. Water-quality data for partial-record stations and for miscellaneous sampling sites 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 is assuring that the data obtained represent the naturally occurring quality of the water. To ensure this, certain measurements, such as dissolved oxygen, pH, and water temperature, must be made on site when the samples are taken. To assure that measurements made in the laboratory also represent the naturally occurring water, carefully prescribed procedures must 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 TWRIs Book 1, Chapter D2; Book 3, Chapters A1, A3, and A4; and Book 9, Chapters A1-A9. These TWRIs are listed in this report. Also, detailed information on collecting, treating, and shipping samples can be obtained from the USGS District office (see address that is shown on the back of title page in this report).

Water Temperature

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

At stations where recording instruments are used, either mean temperatures or maximum and minimum temperatures for each day are published. Water temperatures measured at the time of water-discharge measurements are on file in the District office.

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 section.

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

At other stations, suspended-sediment samples are collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observation, 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) and indicator bacteria 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 USGS laboratories in Lakewood, Colorado; Ocala, Florida; or Lawerence, Kansas. Methods used in analyzing sediment samples and computing sediment records are given in TWRI, Book 5, Chapter C1. Methods used by the USGS laboratories are given in the TWRIs, Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, and A4. 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 turbidity, dissolved oxygen, pH, specific conductance, water temperature, and suspended sediment then follow in sequence.

In the descriptive headings, if the location is identical to that of the discharge gaging station, neither the LOCATION nor the DRAINAGE AREA statements are repeated. The following information 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 information in the EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS section of this report (same comments apply).

DRAINAGE AREA.—See Data Presentation information in the EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS section of this report (same comments apply).

PERIOD OF RECORD.—This indicates the time periods for which published water-quality records for the station are available. 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 USGS by a cooperating organization are identified here.

EXTREMES.—Maximums and minimums are given only for parameters measured daily or more frequently. For parameters measured weekly or less frequently, true maximums or minimums may not have been obtained. Extremes, when given, are provided for both the period of record and for the current water year.

REVISIONS.—Records are revised if errors in published water-quality records are discovered. Appropriate updates are made in the USGS distributed data system, NWIS, and subsequently to its Web-based National data system, NWISWeb (*http://waterdata.usgs.gov/nwis*). Users of USGS water-quality data are encouraged to obtain all required data from NWIS or NWISWeb to ensure that they have the most recent updates. Updates to the NWISWeb are made on an annual basis.

The surface-water-quality records for partial-record stations and miscellaneous sampling 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.

Fixed Value Parameter Codes

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

Numerical codes have been assigned to describe the source of the sample, conditions under which it was collected, sampling method, well purging conditions, sampler type, and weather. 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)

1	Well head
5	Flow line
8	Tank
16	Casing leak
26	Pump
27	Tap near well
28	Tap away from well
30	Pressure tank
31	Discharge Pipe
33	Bailer
46	Public water supplies (untreated)
74	Lysimeter
80	After pressure tank

Sampling Method (82398)

4040	Submersible pump
4045	Submersible multiple impeller (Turbine) pump
4090	Jet pump
4100	Flowing well
8010	Other

Sampling Condition (72006)

0.10	Site was being pumped
0.11	Site had been pumped recently
0.12	Nearby site tapping same aquifer was being pumped
2.	Undesignated
4.	Flowing
8.	Pumping
10.	Open hole
15.	Bailing
24.	Water flooding
26.	Production and development test
27.	Production by unknown method
30.	Seeping

Well Purging Condition (84143)

100	Purged to stable pH
110	Purged to stable temperature
120	Purged to stable specific conductance
160	Purged to stable ph, temp. and specif. cond.
170	Purged at least three well volumes

Sampler Type (84164)

4010 Thief sampler
4040 Submersible positive-pressure pump
4041 Submersible helical-rotor pump
4045 Submersible gear pump
4090 Jet pump
4095 Line-shaft turbine pump
4100 Flowing well
8000 None
8010 Other

Weather (00041)

0 Cloudness
1 Partly cloudy
2 Cloudy
62 Slight rain, continuous

Water-Quality Control Data

The USGS National Water Quality Laboratory collects quality-control data on a continuing basis to evaluate selected analytical methods to determine long-term method detection levels (LT-MDLs) and laboratory reporting levels (LRLs). These values are re-evaluated each year on the basis of the most recent quality-control data and, consequently, may change from year to year.

This reporting procedure limits the occurrence of false positive error. Falsely reporting a concentration greater than the LT-MDL for a sample in which the analyte is not present is 1 percent or less. Application of the LRL limits the occurrence of false negative error. The chance of falsely reporting a non-detection for a sample in which the analyte is present at a concentration equal to or greater than the LRL is 1 percent or less.

Accordingly, concentrations are reported as less than LRL for samples in which the analyte was either not detected or did not pass identification. Analytes detected at concentrations between the LT-MDL and the LRL and that pass identification criteria are estimated. Estimated concentrations will be noted with a remark code of "E." These data should be used with the understanding that their uncertainty is greater than that of data reported without the E remark code.

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 office 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. These data are not presented in this report but are available from the District office.

Blank Samples

Blank samples are collected and analyzed to ensure that environmental samples have not been contaminated in 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 sample 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. Many types of blank samples are possible; each is designed to segregate a different part of the overall data-collection process. The types of blank samples collected in this district are:

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.

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.

Reference Samples

Reference material is a solution or material prepared by a laboratory. The reference material 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. Many types of replicate samples are 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 samples—A type of replicate sample in which the samples are collected simultaneously with two or more samplers or by using one sampler and alternating the collection of samples into two or more compositing containers.

Sequential samples—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, each subsample 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.

EXPLANATION OF GROUND-WATER-LEVEL RECORDS

Generally, ground-water-level data from selected wells from a basic network of observation wells are published in this report. This basic network contains observation wells located so that the most significant data are obtained from the fewest wells in the most important aquifers.

Site Identification Numbers

Each well is identified by means of (1) a 15-digit number that is based on latitude and longitude and (2) a local number that is produced for local needs (See NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES in this report for a detailed explanation).

Data Collection and Computation

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

Most methods for collecting and analyzing water samples are described in the TWRIs referred to in the On-site Measurements and Sample Collection and the Laboratory Measurements sections in this report. In addition, TWRI Book 1, Chapter D2, describes guidelines for the collection and field analysis of ground-water samples for selected unstable constituents. Procedures for on-site measurements and for collecting, treating, and shipping samples are given in TWRIs Book 1, Chapter D2; Book 3, Chapters A1, A3, and A4; and Book 9, Chapters A1 through A9. The values in this report represent water-quality

conditions at the time of sampling, as much as possible, and that are consistent with available sampling techniques and methods of analysis. These methods are consistent with ASTM standards and generally follow ISO standards. Trained personnel collected all samples. The wells sampled were pumped long enough to ensure 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.

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 above sea level is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported for every fifth day and the end of each month (EOM).

Water levels are reported to as many significant figures as can be justified by the local conditions. For example, in a measurement of a depth of water of several hundred feet, the error in 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, measurements are reported to a hundredth of a foot.

Data Presentation

Water-level data are presented in alphabetical order by county. The primary identification number for a given well is the 15-digit site identification number that appears in the upper left corner of the table. The secondary identification number is the local or county well number. Well locations are shown in figure 6*;* each well is identified on the map by its local well or county well number.

Each well record consists of three parts: the well description and the data table of water levels observed during the water year, and, for some wells, a hydrograph following the data table. Well descriptions are presented in the headings preceding the tabular data.

The following comments clarify information presented in these various headings.

LOCATION.—This paragraph follows the well-identification number and reports the hydrologic-unit number and a geographic point of reference. Latitudes and longitudes used in this report are reported as North American Datum of 1927 unless otherwise specified.

AQUIFER.—This entry designates by name and geologic age the aquifer that the well taps.

WELL CHARACTERISTICS.—This entry describes the well in terms of depth, casing diameter and depth or screened interval, method of construction, use, and 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 continuous, monthly, or some other frequency of measurement.

DATUM.—This entry describes both the measuring point and the land-surface elevation at the well. The altitude of the land-surface datum is described in feet above the altitude datum; it is reported with a precision depending on the method of determination. The measuring point is described physically (such as top of casing, top of instrument shelf, and so forth), 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 National Geodetic Vertical Datum of 1929 (NGVD 29); 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, when various methods of measurement were begun, and the network (climatic, terrane, local, or areal effects) or the special project to which the well belongs.

PERIOD OF RECORD.—This entry indicates the time period for which records are published for the well, the month and year at the start of publication of water-level records by the USGS, and the words “to current year” if the records are to be continued into the following year. Time periods for which water-level records are available, but are not published by the USGS, may be noted.

EXTREMES FOR PERIOD OF RECORD.—This entry contains the highest and lowest instantaneously recorded or measured water levels of the period of published record, with respect to land-surface datum or sea level, and the dates of occurrence.

Water-Level Tables

A table of water levels follows the well description for each well. Water-level measurements in this report are given in feet with reference to either sea level or land-surface datum (lsd). Missing records are indicated by dashes in place of the water-level value.

For wells not equipped with recorders, water-level measurements were obtained periodically by steel or electric tape. Tables of periodic water-level measurements in these wells show the date of measurement and the measured water-level value.

Hydrographs

Hydrographs are a graphic display of water-level fluctuations over a period of time. In this report, current water year and, when appropriate, period-of-record hydrographs are shown. Hydrographs that display periodic water-level measurements show points that may be connected with a dashed line from one measurement to the next. Hydrographs that display recorder data show a solid line representing the mean water level recorded for each day. Missing data are indicated by a blank space or break in a hydrograph. Missing data may occur as a result of recorder malfunctions, battery failures, or mechanical problems related to the response of the recorder's float mechanism to water-level fluctuations in a well.

GROUND-WATER-QUALITY DATA

Data Collection and Computation

The ground-water-quality data in this report were obtained as a part of special studies in specific areas. Consequently, a number of chemical analyses are presented for some wells within a county but not for others. As a result, the records for this year, by themselves, do not provide a balanced view of ground-water quality Statewide.

Most methods for collecting and analyzing water samples are described in the TWRIs. Procedures for on-site measurements and for collecting, treating, and shipping samples are given in TWRI, Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, and A4. Also, detailed information on collecting, treating, and shipping samples may be obtained from the USGS District office (see address shown on back of title page in this report).

Laboratory Measurements

Analysis for sulfide and measurement of alkalinity, pH, water temperature, specific conductance, and dissolved oxygen are performed on site. All other sample analyses are performed at the USGS laboratories in Lakewood, Colorado; Ocala, Florida; or Lawrence, Kansas. Methods used by the USGS laboratory are given in TWRI, Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, and A4.

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 from *http://water.usgs.gov*.

Water-quality data and ground-water data also are available through the WWW. In addition, data can be provided in various machine-readable formats on various media. Information about the availability of specific types of data or products, and user charges, can be obtained locally from each Water Discipline District Office (See address that is shown on the back of the title page of this report.)

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 table for converting English units to International System (SI) Units. Other glossaries that also define water-related terms are accessible from *http://water.usgs.gov/glossaries.html*.

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).

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. (See also "Annual runoff")

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.

Adjusted discharge is discharge data that have been mathematically adjusted (for example, to remove the effects of a daily tide cycle or reservoir storage).

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. (See also "Biomass" and "Dry weight")

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.

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 through 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.)

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 percentage weight of the hydrogen-substituted chlorine.

Artificial substrate is a device that purposely is 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 collected. Examples of artificial substrates are basket samplers (made of wire cages filled with clean streamside rocks) and multiplate samplers (made of hardboard) for benthic organism collection, and plexiglass strips for periphyton collection. (See also "Substrate")

Ash mass is the mass or amount of residue present after the residue from a 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). (See also "Biomass" and "Dry mass")

Aspect is the direction toward which a slope faces with respect to the compass.

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

Bankfull stage, as used in this report, is the stage at which a stream first overflows its natural banks formed by floods with 1- to 3-year recurrence intervals.

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 peak flows per year will be published. (See also "Peak flow")

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.

DEFINITION OF TERMS--Continued

Bed material is the sediment mixture of which a stream-bed, lake, pond, reservoir, or estuary bottom is composed. (See also "Bedload" and "Sediment")

Bedload is material in transport that primarily is supported by the streambed. In this report, bedload is considered to consist of particles in transit from the bed to the top of the bedload sampler nozzle (an elevation ranging from 0.25 to 0.5 foot). These particles are retained in the bedload sampler. A sample collected with a pressure-differential bedload sampler also may 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. (See also "Bedload," "Dry weight," "Sediment," and "Suspended-sediment 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.

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

Blue-green algae (*Cyanophyta*) are a group of phytoplankton and periphyton organisms with a blue pigment in addition to a green pigment called chlorophyll. Blue-green algae can cause nuisance water-quality conditions in lakes and slow-flowing rivers; however, they are found commonly in streams throughout the year. The abundance of blue-green algae in phytoplankton samples is expressed as the number of cells per milliliter (cells/mL) or biovolume in cubic micrometers per milliliter (mm^3/mL). The abundance of blue-green algae in periphyton samples is given in cells per square centimeter (cells/cm^2) or biovolume per square centimeter (mm^3/cm^2). (See also "Phytoplankton"and "Periphyton")

Bottom material (See "Bed material")

Bulk electrical conductivity is the combined electrical conductivity of all material within a doughnut-shaped volume surrounding an induction probe. Bulk conductivity is affected by different physical and chemical properties of the material including the dissolved-solids content of the pore water, and the lithology and porosity of the rock.

Canadian Geodetic Vertical Datum 1928 is a geodetic datum derived from a general adjustment of Canada's first order level network in 1928.

Cell volume (biovolume) determination is one of several common methods used to estimate biomass of algae in aquatic systems. Cell members of algae are used frequently 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 (mm^3) is determined by obtaining critical cell measurements or 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:

$$\text{sphere } 4/3\ pr^3 \quad \text{cone } 1/3\ pr^2h \quad \text{cylinder } pr^2h.$$

pi (p) is the ratio of the circumference to the diameter of a circle; pi = 3.14159….

From cell volume, total algal biomass expressed as biovolume (mm^3/mL) is thus determined by multiplying the number of cells of a given species by its average cell volume and then summing these volumes for all species.

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 generally are reported as cells or units per milliliter (mL) or liter (L).

Cfs-day (See "Cubic foot per second-day")

Channel bars, as used in this report, are the lowest prominent geomorphic features higher than the channel bed.

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. [See also "Biochemical oxygen demand (BOD)"]

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

DEFINITION OF TERMS--Continued

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

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 that physically affects 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 approximately 449 gallons per minute, or 0.02832 cubic meters per second. The term "second-foot" sometimes is used synonymously with "cubic foot per second" but is now obsolete.

Cubic foot per second-day (CFS-DAY, Cfs-day, [$(ft^3/s)/d$]) 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 numerically are equal to the daily volumes in cfs-days, and the totals also represent volumes in cfs-days.

Cubic foot per second per square mile [CFSM, $(ft^3/s)/mi^2$] 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. (See also "Annual runoff")

Daily mean suspended-sediment concentration is the time-weighted mean concentration of suspended sediment passing a stream cross section during a 24-hour day. (See also "Sediment" and "Suspended-sediment concentration")

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 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 usually are 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, or Universal Transverse Mercator (UTM) coordinates. (See also "Gage datum," "Land-surface datum," "National Geodetic Vertical Datum of 1929," and "North American Vertical Datum of 1988")

Diatoms *(Bacillariophyta)* are unicellular or colonial algae with a siliceous cell wall. The abundance of diatoms in phytoplankton samples is expressed as the number of cells per milliliter (cells/mL) or biovolume in cubic micrometers per milliliter (mm^3/mL). The abundance of diatoms in periphyton samples is given in cells per square centimeter (cells/cm^2) or biovolume per square centimeter (mm^3/cm^2). (See also "Phytoplankton" and "Periphyton")

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 sediment or other constituents suspended or dissolved in the water) that passes a cross section in a stream channel, canal, pipeline, and so forth, 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 chemicals, 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).

DEFINITION OF TERMS--Continued

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 $CaCO_3$) 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:

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

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 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 values are expressed in the same units as ash mass. (See also "Ash mass," "Biomass," and "Wet mass")

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. (See also "Wet weight")

Embeddedness is the degree to which gravel-sized and larger particles are surrounded or enclosed by finer-sized particles. (See also "Substrate embeddedness class")

Enterococcus bacteria commonly are found in the feces of humans and other warmblooded 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 (nutrient medium for bacterial growth) and subsequent transfer to EIA medium. Enterococci include *Streptococcus feacalis, Streptococcus feacium, Streptococcus avium,* and their variants. (See also "Bacteria")

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 generally are considered pollution sensitive; the index usually decreases with pollution.

Escherichia coli *(E. coli)* are bacteria present in the intestine and feces of warmblooded 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 (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample. (See also "Bacteria")

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 identified qualitatively 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 (<). For bacteriological data, concentrations are reported as estimated when results are based on non-ideal colony counts.

DEFINITION OF TERMS--Continued

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

Extractable organic halides (EOX) are organic compounds that contain halogen atoms such as chlorine. These organic compounds are semivolatile and extractable by ethyl acetate from air-dried streambed sediment. 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 sediment.

Fecal coliform bacteria are present in the intestines or feces of warmblooded animals. They often are 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 ×C plus or minus 0.2 ×C on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample. (See also "Bacteria")

Fecal streptococcal bacteria are present in the intestines of warmblooded 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 ×C plus or minus 1.0 ×C on KF-streptococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample. (See also "Bacteria")

Fire algae (*Pyrrhophyta*) are free-swimming unicells characterized by a red pigment spot. (See also "Phytoplankton")

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 datum is a horizontal surface used as a 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 greater than the maximum depth of water. Because the gage datum is not an actual physical object, the datum is usually 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.

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 often is 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.

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.

Geomorphic channel units, as used in this report, are fluvial geomorphic descriptors of channel shape and stream velocity. Pools, riffles, and runs are types of geomorphic channel units considered for National Water-Quality Assessment (NAWQA) Program habitat sampling.

Green algae *(Chlorophyta)* are unicellular or colonial algae with chlorophyll pigments similar to those in terrestrial green plants. Some forms of green algae produce mats or floating "moss" in lakes. The abundance of green algae in phytoplankton samples is expressed as the number of cells per milliliter (cells/mL) or biovolume in cubic micrometers per milliliter (mm^3/mL). The abundance of green algae in periphyton samples is given in cells per square centimeter (cells/cm^2) or biovolume per square centimeter (mm^3/cm^2). (See also "Phytoplankton" and "Periphyton")

Habitat, as used in this report, includes all nonliving (physical) aspects of the aquatic ecosystem, although living components like aquatic macrophytes and riparian vegetation also are usually included. Measurements of habitat typically are made over a wider geographic scale than are measurements of species distribution.

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 commonly is 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 ($CaCO_3$).

DEFINITION OF TERMS--Continued

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 that uses tolerance values to weight taxa abundances; usually increases with pollution. It is calculated as follows:

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

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 index stations referred to in this report are 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 USGS. Each hydrologic unit is identified by an 8-digit number.

Inch (IN., in.), in reference to streamflow, 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 distributed uniformly on it. (See also "Annual runoff")

Instantaneous discharge is the discharge at a particular instant of time. (See also "Discharge")

International Boundary Commission Survey Datum refers to a geodetic datum established at numerous monuments along the United States-Canada boundary by the International Boundary Commission.

Island, as used in this report, is a mid-channel bar that has permanent woody vegetation, is flooded once a year, on average, and remains stable except during large flood events.

Laboratory reporting level (LRL) generally is 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 nondetection 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 (NWQL) 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 on the basis of the most current quality-control data and, therefore, may change. The LRL replaces the term 'non-detection value' (NDV).

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

Latent heat flux (often used interchangeably with latent heat-flux density) is the amount of heat energy that converts water from liquid to vapor (evaporation) or from vapor to liquid (condensation) across a specified cross-sectional area per unit time. Usually expressed in watts per square meter.

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

$$I = I_o e^{-\lambda L},$$

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

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

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 usually are arranged in zones in aquatic ecosystems and restricted in the area by the extent of illumi-

DEFINITION OF TERMS--Continued

nation through the water and sediment deposition along the shoreline.

Mean concentration of suspended sediment (Daily mean suspended-sediment concentration) is the time-weighted concentration of suspended sediment passing a stream cross section during a given time period. (See also "Daily mean suspended-sediment concentration" and "Suspended-sediment concentration")

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

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

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. (See also "Datum")

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.

Megahertz is a unit of frequency. One megahertz equals one million cycles per second.

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.

Method of Cubatures is a method of computing discharge in tidal estuaries based on the conservation of mass equation.

Methylene blue active substances (MBAS) indicate the presence of detergents (anionic surfactants). 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, mg/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, mg/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, mg/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.

Microsiemens per centimeter (US/CM, mS/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 milligrams per liter 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.

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.

DEFINITION OF TERMS--Continued

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.

National Geodetic Vertical Datum of 1929 (NGVD 29) is a fixed reference adopted as a standard geodetic datum for elevations determined by leveling. It formerly was 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: http://www.ngs.noaa.gov/faq.shtml#WhatVD29VD88* (See "North American Vertical Datum of 1988")

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

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.

North American Datum of 1927 (NAD 27) is the horizontal control datum for the United States that was defined by a location and azimuth on the Clarke spheroid of 1866.

North American Datum of 1983 (NAD 83) is the horizontal control datum for the United States, Canada, Mexico, and Central America that is based on the adjustment of 250,000 points including 600 satellite Doppler stations that constrain the system to a geocentric origin. NAD 83 has been officially adopted as the legal horizontal datum for the United States by the Federal government.

North American Vertical Datum of 1988 (NAVD 88) is a fixed reference adopted as the official civilian vertical datum for elevations determined by Federal surveying and mapping activities in the United States. This datum was established in 1991 by minimum-constraint adjustment of the Canadian**,** Mexican, and United States first-order terrestrial leveling networks.

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 sediment. May be reported as dissolved organic carbon (DOC), particulate organic carbon (POC), or total organic carbon (TOC).

Organic mass or **volatile mass** of a 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. (See also "Ash mass," "Biomass," and "Dry mass")

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/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 USGS 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 uses 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).

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 analysis
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
Cobble	>64 - 256	Manual measurement
Boulder	>256	Manual measurement

DEFINITION OF TERMS--Continued

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. For the sedimentation method, 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 of 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 a measure of the amount of sunlight potentially reaching the stream. A clinometer is used to measure left and right bank canopy angles. These values are added together, divided by 180, and multiplied by 100 to compute percentage of shade.

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. Although 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 7.0 standard units are termed "acidic," and solutions with a pH greater than 7.0 are termed "basic." Solutions with a pH of 7.0 are neutral. The presence and concentration of many dissolved chemical constituents found in water are affected, in part, by the hydrogen-ion activity of water. Biological processes including growth, distribution of organisms, and toxicity of the water to organisms also are affected, in part, by the hydrogen-ion activity of water.

Phytoplankton is the plant part of the plankton. They usually are 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 commonly are known as algae. (See also "Plankton")

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.

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.

Pool, as used in this report, is a small part of a stream reach with little velocity, commonly with water deeper than surrounding areas.

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 [mg C/(m^2/time)] for periphyton and macrophytes or per volume [mg C/(m^3/time)] for phytoplankton. The 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 with unenriched water samples. Unit time may be either the hour or day, depending on the incubation period. (See also "Primary productivity")

DEFINITION OF TERMS--Continued

Primary productivity (oxygen method) is expressed as milligrams of oxygen per area per unit time [mg O/(m^2/time)] for periphyton and macrophytes or per volume [mg O/(m^3/time)] for phytoplankton. The 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. (See also "Primary productivity")

Radioisotopes are isotopic forms of elements 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.

Reach, as used in this report, is a length of stream that is chosen to represent a uniform set of physical, chemical, and biological conditions within a segment. It is the principal sampling unit for collecting physical, chemical, and biological data.

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 of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results. (See also "Bed material")

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 nonexceedance 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 nonexceedances of the $7Q_{10}$ occur less than 10 years after the previous nonexceedance, half occur less than 7 years after, and about one-eighth occur more than 20 years after the previous nonexceedance. 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 $7Q_{10}$.

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

Return period (See "Recurrence interval")

Riffle, as used in this report, is a shallow part of the stream where water flows swiftly over completely or partially submerged obstructions to produce surface agitation.

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 is used to denote location along a river.

Run, as used in this report, is a relatively shallow part of a stream with moderate velocity and little or no surface turbulence.

Runoff is the quantity of water that is discharged ("runs off") from a drainage basin during 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. (See also "Annual runoff")

Sea level, as used in this report, refers to one of the two commonly used national vertical datums (NGVD 1929 or NAVD 1988). See separate entries for definitions of these datums.

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 affected by environmental and land-use factors. Some major factors are topography, soil characteristics, land cover, and depth and intensity of precipitation.

DEFINITION OF TERMS--Continued

Sensible heat flux (often used interchangeably with latent sensible heat-flux density) is the amount of heat energy that moves by turbulent transport through the air across a specified cross-sectional area per unit time and goes to heating (cooling) the air. Usually expressed in watts per square meter.

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-term 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. (See also "Annual 7-day minimum" and "Recurrence interval")

Shelves, as used in this report, are streambank features extending nearly horizontally from the flood plain to the lower limit of persistent woody vegetation.

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.

Soil heat flux (often used interchangeably with soil heat-flux density) is the amount of heat energy that moves by conduction across a specified cross-sectional area of soil per unit time and goes to heating (or cooling) the soil. Usually expressed in watts per square meter.

Soil-water content is the water lost from the soil upon drying to constant mass at 105 ×C; expressed either as mass of water per unit mass of dry soil or as the volume of water per unit bulk volume of soil.

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 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 water, to evaluate mixing of different water, as an aid in determining reaction rates, and other chemical or hydrologic processes.

Stage (See "Gage height")

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.

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

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

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 foot) of the bed material that is sampled using U.S. Series Bed-Material Samplers.

Surrogate is an analyte that behaves similarly to a target analyte, but that is highly unlikely to occur in a sample. A surrogate is added to a sample in known amounts before extraction and is measured with the same laboratory procedures used to measure the target analyte. Its purpose is to monitor method performance for an individual sample.

Suspended (as used in tables of chemical analyses) refers to the amount (concentration) of undissolved material in a water-sediment mixture. It is defined operationally 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

DEFINITION OF TERMS--Continued

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 mate-rial collected on the filter or, more commonly, by difference, on the basis of determinations of (1) dissolved and (2) total recoverable concentrations of the constituent. (See also "Suspended")

Suspended sediment is the sediment maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid. (See also "Sediment")

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 foot 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. (See also "Sediment" and "Suspended sediment")

Suspended-sediment discharge (tons/d) 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 (ft^3/s) x 0.0027. (See also "Sediment," "Suspended sediment," and "Suspended-sediment concentration")

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. (See also "Sediment")

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.

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, on the basis of determinations of (1) dissolved and (2) total concentrations of the constituent. (See also "Suspended")

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 contaminant sources.

Taxa (Species) richness is the number of species (taxa) present in a defined area or sampling unit.

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a hierarchial 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:	Arthropeda
Class:	Insecta
Order:	Ephemeroptera
Family:	Ephemeridae
Genus:	*Hexagenia*
Species:	*Hexagenia limbata*

Thalweg is the line formed by connecting points of minimum streambed elevation (deepest part of the channel).

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 ton per day.

Total is the amount of a given constituent in a representative whole-water (unfiltered) sample, regardless of the constitu-

DEFINITION OF TERMS--Continued

ent'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 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 ×C plus or minus 1.0 ×C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 milliliters of sample. (See also "Bacteria")

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 organism count is the number of organisms collected and enumerated in any particular sample. (See also "Organism count/volume")

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.

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. (See also "Bedload," "Bedload discharge," "Sediment," "Suspended sediment," and "Suspended-sediment 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. (See also "Sediment," "Suspended-sediment load," and "Total load")

Transect, as used in this report, is a line across a stream perpendicular to the flow and along which measurements are taken, so that morphological and flow characteristics along the line are described from bank to bank. Unlike a cross section, no attempt is made to determine known elevation points along the line.

Turbidity is the reduction in the transparency of a solution because of the presence of suspended and some dissolved substances. The measurement technique records the collective optical properties of the solution that cause 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 specified 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 USEPA 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.

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 path length of UV light through a sample.

DEFINITION OF TERMS--Continued

Unconfined aquifer is an aquifer whose upper surface is a water table free to fluctuate under atmospheric pressure. (See "Water-table aquifer")

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 often are 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.

Water table is that surface in a ground-water body at which the water pressure is equal to the atmospheric pressure.

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

Water year in USGS 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, 2002, is called the "2002 water year."

Watershed (See "Drainage basin")

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 mass is the mass of living matter plus contained water. (See also "Biomass" and "Dry mass")

Wet weight refers to the weight of animal tissue or other substance including its contained water. (See also "Dry weight")

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

Zooplankton is the animal part of the plankton. Zooplankton are capable of extensive movements within the water column and often are 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. (See also "Plankton")

Techniques of Water-Resources Investigations of the U.S. Geological Survey

The U.S. Geological Survey (USGS) publishes a series of manuals, the Techniques of Water-Resources Investigations, 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.

Reports in the Techniques of Water-Resources Investigations series, which are listed below, are online at *http://water.usgs.gov/pubs/twri/*. Printed copies are for sale by the USGS, Information Services, Box 25286, Federal Center, Denver, Colorado 80225 (authorized agent of the Superintendent of Documents, Government Printing Office), telephone 1-888-ASK-USGS. Please telephone 1-888-ASK-USGS for current prices, and refer to the title, book number, chapter number, and mention the "U.S. Geological Survey Techniques of Water-Resources Investigations." Products can then be ordered by telephone, or online at http://www.usgs.gov/sales.html, or by FAX to (303) 236-4693 of an order form available online at *http://mac.usgs.gov/isb/pubs/forms/*. Prepayment by major credit card or by a check or money order payable to the "U.S. Geological Survey" is required.

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, chap. D1. 1975. 65 p.

1–D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W.W. Wood: USGS–TWRI book 1, chap. D2. 1976. 24 p.

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, chap. D1. 1974. 116 p.

2–D2. *Application of seismic-refraction techniques to hydrologic studies,* by F.P. Haeni: USGS–TWRI book 2, chap. D2. 1988. 86 p.

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, chap. E1. 1971. 126 p.

2–E2. *Borehole geophysics applied to ground-water investigations,* by W.S. Keys: USGS–TWRI book 2, chap. E2. 1990. 150 p.

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, chap. F1. 1989. 97 p.

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, chap. A1. 1967. 30 p.

3–A2. *Measurement of peak discharge by the slope-area method,* by Tate Dalrymple and M.A. Benson: USGS–TWRI book 3, chap. A2. 1967. 12 p.

3–A3. *Measurement of peak discharge at culverts by indirect methods,* by G.L. Bodhaine: USGS–TWRI book 3, chap. A3. 1968. 60 p.

3–A4. *Measurement of peak discharge at width contractions by indirect methods,* by H.F. Matthai: USGS-TWRI book 3, chap. A4. 1967. 44 p.

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3–A6. *General procedure for gaging streams,* by R.W. Carter and Jacob Davidian: USGS–TWRI book 3, chap. A6. 1968. 13 p.

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3–A11. *Measurement of discharge by the moving-boat method,* by G.F. Smoot and C.E. Novak: USGS–TWRI book 3, chap. A11. 1969. 22 p.

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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–A13. *Computation of continuous records of streamflow*, by E.J. Kennedy: USGS–TWRI book 3, chap. A13. 1983. 53 p.
3–A14. *Use of flumes in measuring discharge,* by F.A. Kilpatrick and V.R. Schneider: USGS–TWRI book 3, chap. A14. 1983. 46 p.
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3–A16. *Measurement of discharge using tracers*, by F.A. Kilpatrick and E.D. Cobb: USGS–TWRI book 3, chap. A16. 1985. 52 p.
3–A17. *Acoustic velocity meter systems,* by Antonius Laenen: USGS–TWRI book 3, chap. A17. 1985. 38 p.
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3–A19. *Levels at streamflow gaging stations*, by E.J. Kennedy: USGS–TWRI book 3, chap. A19. 1990. 31 p.
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3–A21 *Stream-gaging cableways,* by C. Russell Wagner: USGS–TWRI book 3, chap. A21. 1995. 56 p.

Section B. Ground-Water Techniques

3–B1. *Aquifer-test design, observation, and data analysis,* by R.W. Stallman: USGS–TWRI book 3, chap. B1. 1971. 26 p.
3–B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G.D. Bennett: USGS–TWRI book 3, chap. B2. 1976. 172 p.
3–B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J.E. Reed: USGS–TWRI book 3, chap. B3. 1980. 106 p.
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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, chap. B7. 1992. 190 p.
3–B8. *System and boundary conceptualization in ground-water flow simulation,* by T.E. Reilly: USGS–TWRI book 3, chap. B8. 2001. 29 p.

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4–D1. *Computation of rate and volume of stream depletion by wells*, by C.T. Jenkins: USGS–TWRI book 4, chap. D1. 1970. 17 p.

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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, chap. A3. 1987. 80 p.

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5–C1. *Laboratory theory and methods for sediment analysis*, by H.P. Guy: USGS–TWRI book 5, chap. C1. 1969. 58 p.

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6–A1. *A modular three-dimensional finite-difference ground-water flow model*, by M.G. McDonald and A.W. Harbaugh: USGS–TWRI book 6, chap. A1. 1988. 586 p.

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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, chap. C1. 1976. 116 p.

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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, chap. A1. 1968. 23 p.

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8–B2. *Calibration and maintenance of vertical-axis type current meters,* by G.F. Smoot and C.E. Novak: USGS–TWRI book 8, chap. B2. 1968. 15 p.

Book 9. Handbooks for Water-Resources Investigations

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

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Techniques of Water-Resources Investigations of the U.S. Geological Survey--Continued

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

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

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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, chap. A6. 1998. Variously paginated.

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9–A8. *National field manual for the collection of water-quality data: Bottom-material samples*, by D.B. Radtke: USGS–TWRI book 9, chap. A8. 1998. 48 p.

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, chap. A9. 1998. 60 p.

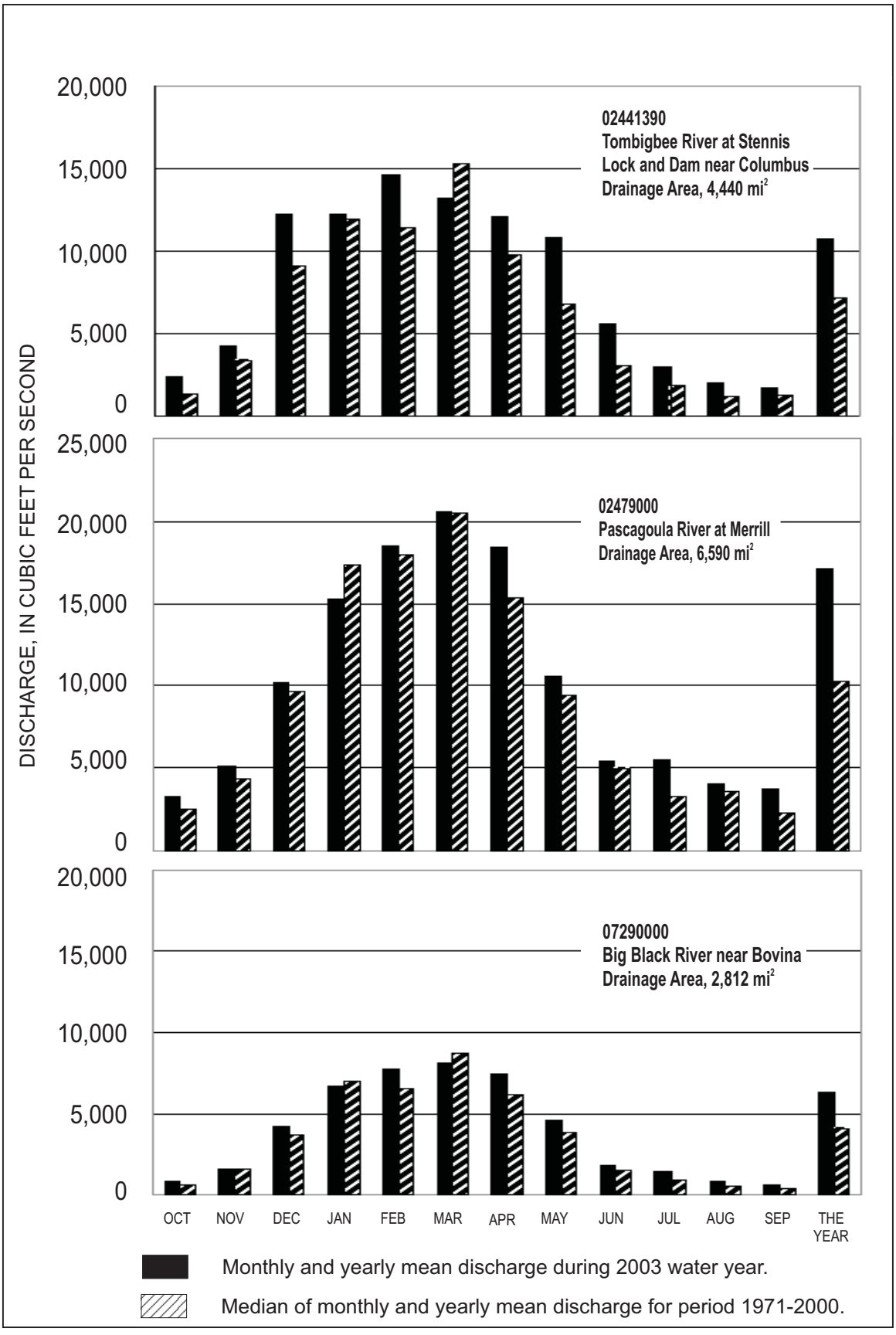


Figure 3.--Relation of discharge during 2003 water year with median discharge for period 1971-2000 for three representative gaging stations.

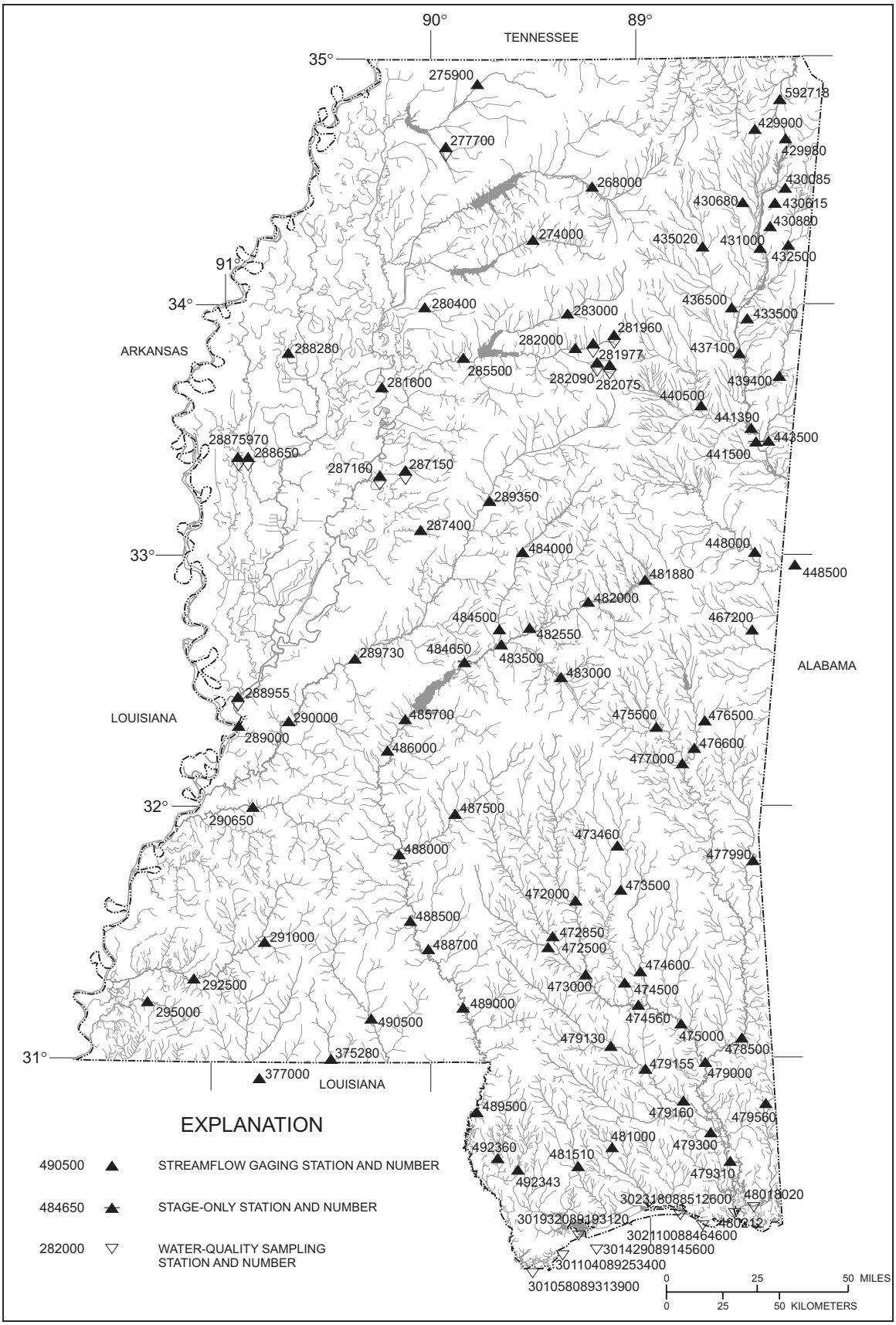


Figure 4.--Location of hydrologic-data stations.

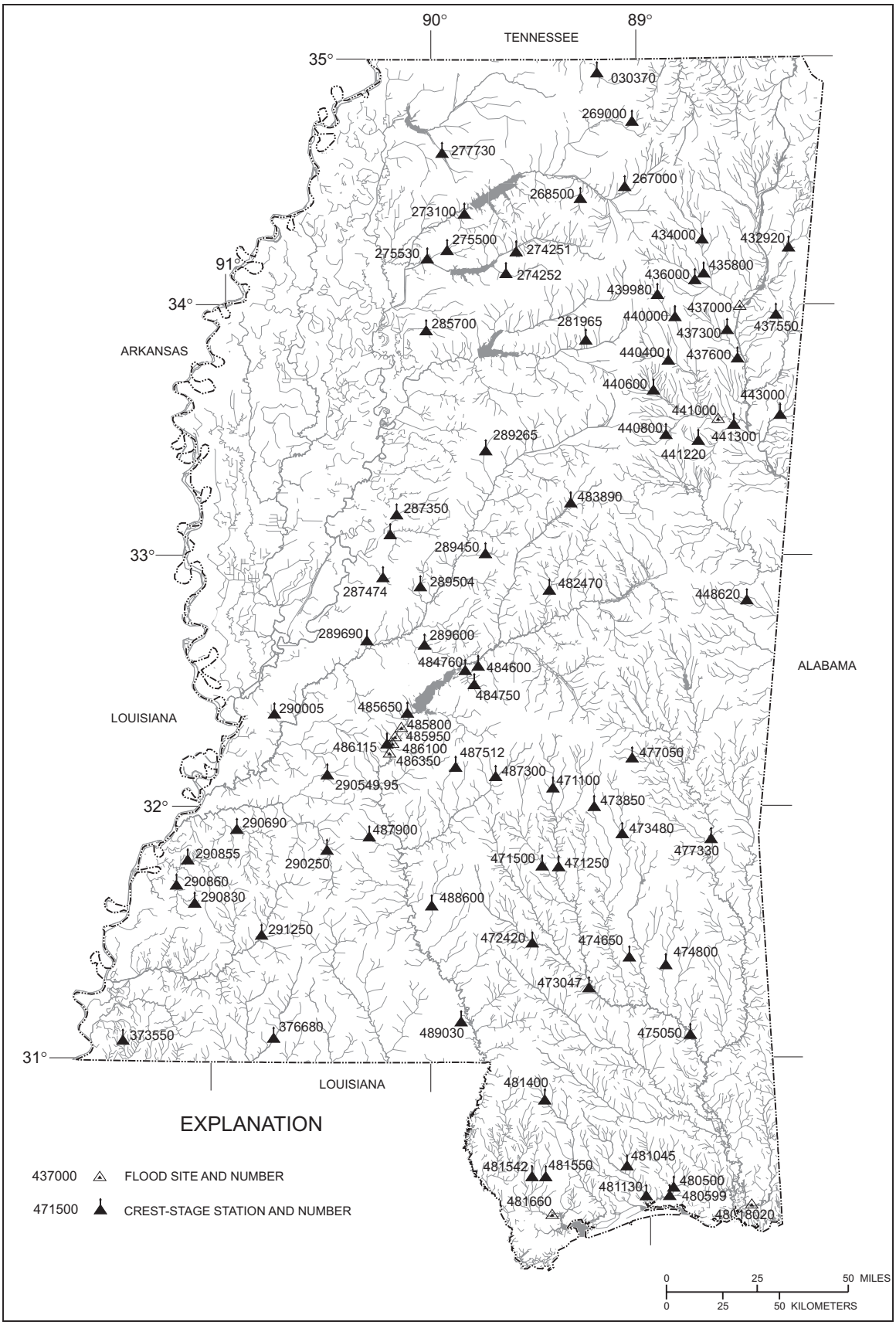


Figure 5.--Location of partial-record stations.

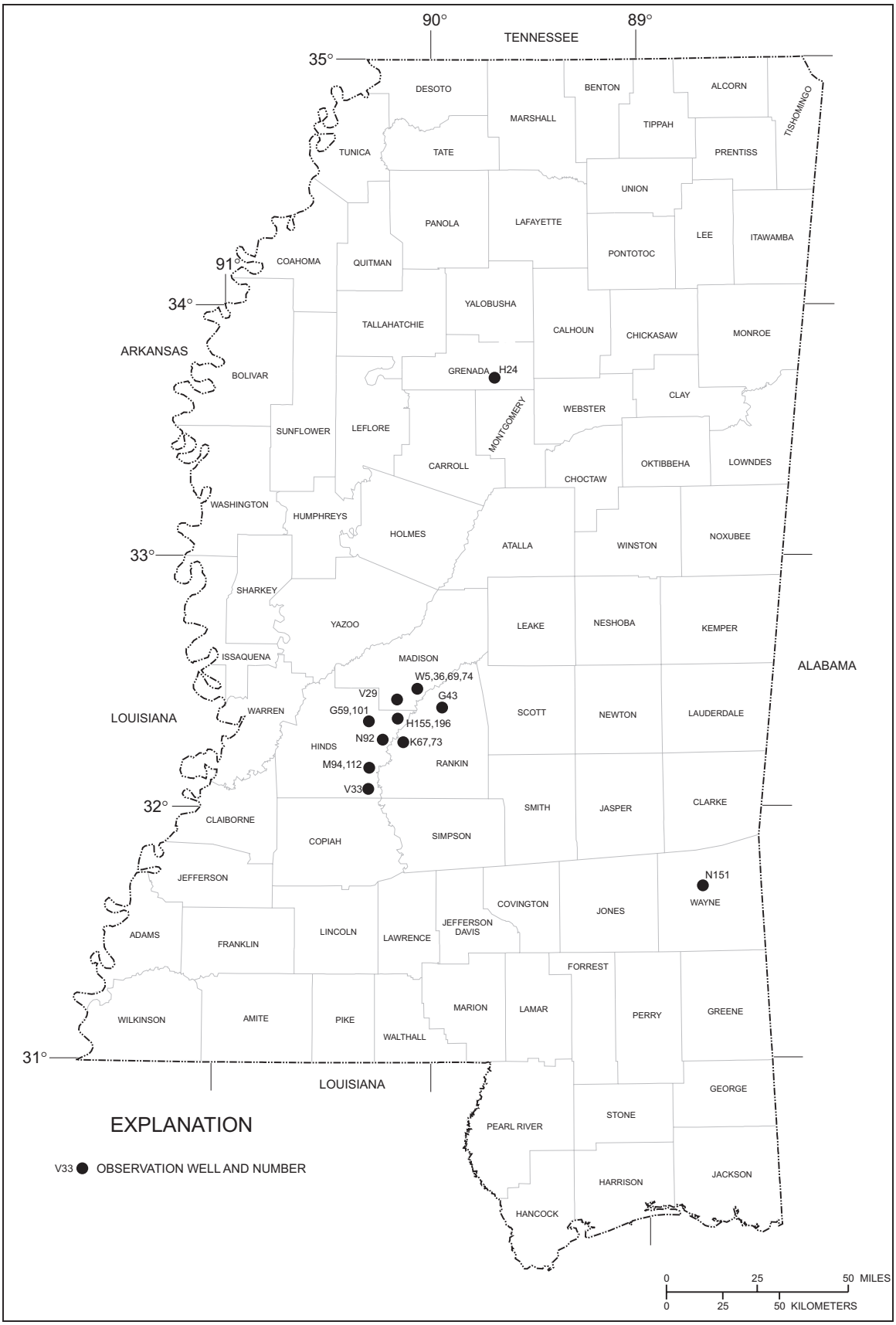


Figure 6.--Location of observation wells.

MOBILE RIVER BASIN

02429900 BIG BROWN CREEK NEAR BOONEVILLE, MS

LOCATION.--Lat 34°37'30", long 88°26'41", SW1/4 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.--27.1 mi^2.

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. (discontinued)

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

GAGE.--Water-stage recorder. Datum of gage is 328.66 ft above NGVD of 1929. 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: Sept. 12-14. 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 1,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Feb. 15	1530	1,610	17.39	May 17	1345	*2,130	*19.25
Feb. 22	0500	2,000	18.81	Aug. 5	0715	1,750	17.94

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	14	15	116	39	93	53	33	22	11	14	6.0
2	16	12	15	69	38	75	48	34	25	8.8	7.5	5.5
3	13	26	15	57	41	64	46	28	38	9.1	6.5	15
4	132	32	115	48	78	63	43	25	27	5.7	7.8	10
5	54	311	190	44	45	66	81	23	23	5.3	635	7.1
6	28	115	69	38	106	65	96	223	32	5.4	138	5.9
7	38	61	52	36	101	49	367	120	56	5.0	88	5.5
8	27	48	44	37	57	44	109	75	39	4.1	44	5.2
9	21	37	38	38	50	40	85	51	28	3.6	31	4.9
10	114	35	67	46	51	36	80	38	20	6.5	22	4.6
11	157	48	64	33	39	36	67	140	20	4.2	17	4.5
12	70	31	45	30	33	34	56	59	28	3.7	14	e4.2
13	43	23	87	30	30	55	50	41	26	5.6	19	e4.0
14	31	22	67	29	138	50	46	90	21	9.4	21	e5.5
15	28	97	50	26	757	39	41	68	17	5.2	14	5.4
16	25	83	43	38	404	38	37	238	33	4.1	12	5.3
17	18	47	39	31	141	155	64	985	27	4.0	9.8	5.7
18	15	37	36	26	94	119	44	464	44	3.5	10	6.4
19	14	37	48	25	82	253	37	154	62	4.7	9.4	6.5
20	18	33	53	27	104	115	35	102	31	4.1	8.0	6.7
21	16	31	37	26	165	85	84	87	20	27	8.3	11
22	14	26	33	22	833	71	41	79	15	33	7.0	207
23	12	23	39	17	183	62	37	61	12	23	17	38
24	12	22	482	21	114	56	172	52	11	9.8	9.5	18
25	12	21	117	21	107	52	275	47	9.5	6.6	7.6	12
26	15	21	75	20	193	86	109	52	9.0	5.3	6.4	9.2
27	15	19	63	17	166	63	82	37	8.9	4.5	13	11
28	27	17	53	18	109	51	58	32	9.3	4.1	20	8.1
29	34	17	48	125	---	116	45	30	8.3	5.4	9.6	6.3
30	24	18	44	66	---	69	37	26	9.6	7.1	7.5	5.7
31	16	---	65	48	---	58	---	25	---	23	6.6	---
TOTAL	1079	1364	2208	1225	4298	2258	2425	3519	731.6	261.8	1240.5	450.2
MEAN	34.8	45.5	71.2	39.5	154	72.8	80.8	114	24.4	8.45	40.0	15.0
MAX	157	311	482	125	833	253	367	985	62	33	635	207
MIN	12	12	15	17	30	34	35	23	8.3	3.5	6.4	4.0
MED	21	31	50	31	102	63	54	52	22	5.4	12	6.2
CFSM	1.28	1.68	2.63	1.46	5.66	2.69	2.98	4.19	0.90	0.31	1.48	0.55
IN.	1.48	1.87	3.03	1.68	5.90	3.10	3.33	4.83	1.00	0.36	1.70	0.62

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2003, BY WATER YEAR (WY)

MEAN	10.0	36.4	67.5	85.5	81.9	90.6	78.1	65.6	31.1	10.8	7.20	8.26
MAX	56.0	139	218	298	220	264	267	451	187	73.8	40.2	43.1
(WY)	1976	1978	1992	1974	1990	1980	1983	1991	1989	1989	1992	2002
MIN	0.15	1.00	4.57	5.94	16.1	32.9	12.6	5.78	0.54	0.94	0.18	0.38
(WY)	2001	1982	1982	2000	2000	1988	1986	2000	1988	2000	1988	1988

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1973 - 2003	
ANNUAL TOTAL	22501.92		21060.1			
ANNUAL MEAN	61.6		57.7		47.7	
HIGHEST ANNUAL MEAN					94.6	1991
LOWEST ANNUAL MEAN					14.6	2000
HIGHEST DAILY MEAN	2090	Jan 23	985	May 17	2580	May 26 1991
LOWEST DAILY MEAN	0.30	Sep 11	3.5	Jul 18	0.08	Sep 11 1999
ANNUAL SEVEN-DAY MINIMUM	0.32	Sep 10	4.6	Jul 6	0.09	Sep 7 1999
MAXIMUM PEAK FLOW			2130	May 17	3900	Apr 17 1970
MAXIMUM PEAK STAGE			19.25	May 17	22.92	Jan 23 1999
ANNUAL RUNOFF (CFSM)	2.27		2.13		1.76	
ANNUAL RUNOFF (INCHES)	30.89		28.91		23.89	
10 PERCENT EXCEEDS	105		115		94	
50 PERCENT EXCEEDS	30		33		19	
90 PERCENT EXCEEDS	0.97		6.4		0.96	

e Estimated

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 mi^2.

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 225 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
May 16	1400	*101	*3.68				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.6	3.4	4.1	6.7	4.6	6.9	5.3	5.9	3.5	4.5	4.5	3.2
2	2.9	3.4	4.2	5.4	4.5	6.5	5.1	5.1	5.2	4.4	4.2	3.1
3	2.7	4.6	4.1	5.0	5.1	6.3	5.0	4.9	5.3	4.1	3.8	3.4
4	10	4.0	12	5.4	5.4	6.1	5.2	4.4	4.4	4.3	3.6	3.2
5	4.2	15	7.6	4.9	4.7	6.0	6.7	4.8	4.3	4.3	7.6	3.0
6	3.4	6.7	5.3	4.5	7.1	6.3	11	9.9	4.8	4.1	4.8	3.0
7	3.8	5.2	4.8	4.5	5.8	5.7	14	7.6	7.6	4.1	3.8	3.0
8	3.2	4.6	4.5	4.5	5.1	5.6	7.3	5.9	4.7	3.9	3.6	3.0
9	3.0	4.5	4.5	4.9	5.5	5.5	6.4	5.3	4.5	4.0	3.3	3.0
10	7.1	6.0	6.6	4.9	5.4	5.3	6.1	4.7	4.2	4.3	3.2	3.0
11	6.5	6.2	5.2	4.8	5.1	5.3	5.5	8.5	5.6	4.1	3.2	3.0
12	4.5	4.5	4.8	4.6	4.9	5.3	5.2	5.3	4.9	4.1	3.6	2.9
13	3.9	4.2	6.7	4.5	5.2	6.3	5.0	4.7	4.5	4.4	3.7	3.0
14	3.6	4.1	5.1	4.5	11	5.6	4.8	6.0	4.5	4.1	3.2	3.1
15	3.7	6.5	4.8	4.5	20	5.4	4.7	5.3	4.9	4.0	3.3	3.1
16	3.4	4.9	4.5	5.3	13	5.3	4.5	13	6.5	4.1	3.3	3.0
17	3.2	4.5	4.9	4.6	8.2	9.8	5.6	16	5.6	3.8	3.2	3.0
18	3.1	4.5	4.5	4.5	7.0	7.2	4.7	8.5	5.2	3.8	3.3	3.1
19	3.0	4.8	5.6	4.4	6.6	9.5	4.7	6.7	5.1	4.3	3.2	3.0
20	3.3	4.5	4.8	4.6	8.0	6.8	4.8	5.9	4.7	4.0	3.2	3.3
21	3.3	4.7	4.5	4.6	9.7	6.3	5.5	5.6	4.3	4.7	3.2	11
22	3.0	4.6	4.3	4.4	19	6.0	4.4	4.9	4.1	5.7	3.2	23
23	3.0	4.2	6.1	4.3	9.1	5.6	4.3	4.5	3.9	4.3	4.0	4.6
24	3.0	4.2	17	4.2	7.7	5.4	9.5	4.3	3.7	4.0	3.3	3.6
25	3.2	4.1	7.0	4.4	7.9	5.3	9.9	5.1	3.7	4.2	3.2	3.2
26	3.6	4.1	5.6	4.5	11	6.4	6.0	4.7	3.8	4.1	3.2	3.2
27	3.4	4.1	5.2	4.3	9.2	5.5	5.3	4.0	4.2	3.8	3.4	3.4
28	5.8	4.5	5.0	4.4	7.5	5.4	5.2	3.9	4.1	3.5	3.3	3.3
29	7.0	4.3	5.1	7.8	---	8.0	4.7	3.7	4.1	3.8	3.2	3.4
30	4.0	4.2	4.9	5.2	---	5.6	4.5	3.6	4.6	3.9	3.2	3.1
31	3.4	---	6.0	4.9	---	5.3	---	3.6	---	4.9	3.3	---
TOTAL	124.8	149.1	179.3	150.0	223.3	191.5	180.9	186.3	140.5	129.6	112.1	123.2
MEAN	4.03	4.97	5.78	4.84	7.97	6.18	6.03	6.01	4.68	4.18	3.62	4.11
MAX	10	15	17	7.8	20	9.8	14	16	7.6	5.7	7.6	23
MIN	2.7	3.4	4.1	4.2	4.5	5.3	4.3	3.6	3.5	3.5	3.2	2.9
MED	3.4	4.5	5.0	4.6	7.0	5.7	5.2	5.1	4.5	4.1	3.3	3.1
CFSM	2.00	2.47	2.88	2.41	3.97	3.07	3.00	2.99	2.33	2.08	1.80	2.04
IN.	2.31	2.76	3.32	2.78	4.13	3.54	3.35	3.45	2.60	2.40	2.07	2.28

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2003, BY WATER YEAR (WY)

MEAN	4.42	5.74	6.96	7.13	7.11	8.50	7.49	6.96	4.77	4.19	3.92	4.27
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1973 - 2003	
ANNUAL TOTAL	1992.1		1890.6			
ANNUAL MEAN	5.46		5.18		5.95	
HIGHEST ANNUAL MEAN					9.88	1973
LOWEST ANNUAL MEAN					3.75	2001
HIGHEST DAILY MEAN	137	Jan 23	23	Sep 22	328	May 26 1991
LOWEST DAILY MEAN	1.9	Sep 11	2.7	Oct 3	0.94	Jul 27 2001
ANNUAL SEVEN-DAY MINIMUM	2.0	Sep 7	3.0	Sep 6	1.2	Jul 27 2001
MAXIMUM PEAK FLOW			101	May 16	1200	May 26 1991
MAXIMUM PEAK STAGE			3.68	May 16	9.02	May 26 1991
ANNUAL RUNOFF (CFSM)	2.72		2.58		2.96	
ANNUAL RUNOFF (INCHES)	36.87		34.99		40.22	
10 PERCENT EXCEEDS	7.2		7.4		8.8	
50 PERCENT EXCEEDS	4.5		4.6		4.4	
90 PERCENT EXCEEDS	2.6		3.2		2.9	

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 mi^2.

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 NGVD of 1929.

REMARKS.--No estimated daily discharges. Records good. 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 ft^3/s and maximum (*).

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 11	1345	659	10.80	May 16	1630	749	11.00
Dec. 24	0430	763	11.03	May 17	1330	646	10.77
Feb. 22	0400	835	11.18	Aug. 5	2100	*850	*11.21
Apr. 7	0115	698	10.89	Sep. 22	0930	726	10.95
May 6	0415	553	10.51				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	15	16	46	18	55	21	20	12	18	15	8.8
2	10	13	17	29	18	46	20	24	18	15	8.2	8.2
3	8.8	21	17	25	21	40	19	17	33	11	7.6	8.0
4	131	22	141	22	41	34	19	15	15	10	8.3	8.6
5	54	261	131	21	21	33	41	18	12	9.3	288	7.5
6	21	97	58	18	55	51	57	203	14	9.4	124	7.0
7	56	54	43	18	53	32	225	155	17	9.3	43	7.0
8	26	41	35	19	34	29	67	68	13	8.5	25	6.8
9	17	35	30	20	32	26	47	41	11	8.2	18	6.6
10	42	34	68	20	36	23	41	29	9.4	8.9	15	6.4
11	72	49	41	17	26	22	34	71	58	10	13	6.4
12	33	30	27	16	23	22	28	32	51	8.1	15	6.3
13	19	26	61	16	21	30	25	23	25	7.2	18	6.3
14	14	24	38	16	50	27	22	66	21	8.1	14	6.8
15	14	55	28	15	173	24	20	45	27	7.3	12	6.5
16	14	39	24	24	196	22	19	211	56	7.8	11	6.2
17	11	30	22	19	76	142	25	284	24	9.1	17	6.1
18	9.6	27	20	16	52	84	19	130	27	6.8	25	6.2
19	9.3	30	38	16	42	100	16	68	23	7.2	13	6.3
20	9.1	26	33	17	94	59	15	53	19	7.9	11	6.1
21	9.6	25	22	17	112	43	32	58	14	9.4	10	75
22	9.1	22	20	15	390	38	17	44	12	17	9.6	336
23	8.5	20	24	13	124	32	14	34	10	11	11	54
24	8.5	20	345	13	74	27	60	26	9.6	7.7	9.0	24
25	8.8	19	80	13	73	25	130	26	8.8	6.6	8.1	18
26	10	21	47	14	148	38	48	33	8.4	6.1	7.8	15
27	11	20	36	13	113	27	33	21	50	5.9	38	13
28	49	19	29	14	70	25	25	18	18	5.8	22	12
29	60	19	26	46	---	46	20	16	13	7.2	12	9.9
30	29	18	23	26	---	25	17	14	15	9.3	9.9	9.1
31	18	---	30	20	---	22	---	13	---	12	10	---
TOTAL	804.3	1132	1570	614	2186	1249	1176	1876	644.2	285.1	848.5	704.1
MEAN	25.9	37.7	50.6	19.8	78.1	40.3	39.2	60.5	21.5	9.20	27.4	23.5
MAX	131	261	345	46	390	142	225	284	58	18	288	336
MIN	8.5	13	16	13	18	22	14	13	8.4	5.8	7.6	6.1
MED	14	26	30	17	52	32	25	33	16	8.5	13	7.2
CFSM	1.65	2.40	3.23	1.26	4.97	2.57	2.50	3.85	1.37	0.59	1.74	1.49
IN.	1.91	2.68	3.72	1.45	5.18	2.96	2.79	4.45	1.53	0.68	2.01	1.67

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2003, BY WATER YEAR (WY)

MEAN	12.2	24.4	41.9	40.5	45.8	48.9	39.5	36.0	19.4	11.2	9.70	9.17
MAX	25.9	64.5	128	96.6	108	119	116	207	86.3	50.2	27.4	34.5
(WY)	2003	1987	1991	1999	1990	1980	1991	1991	1997	1989	2003	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1975 - 2003	
ANNUAL TOTAL	11810.3		13089.2			
ANNUAL MEAN	32.4		35.9		28.1	
HIGHEST ANNUAL MEAN					58.0	1991
LOWEST ANNUAL MEAN					12.6	1981
HIGHEST DAILY MEAN	417	May 4	390	Feb 22	1200	May 26 1991
LOWEST DAILY MEAN	3.4	Sep 9	5.8	Jul 28	1.4	Oct 5 1986
ANNUAL SEVEN-DAY MINIMUM	3.5	Sep 6	6.3	Sep 14	1.6	Sep 30 1986
MAXIMUM PEAK FLOW			850	Aug 5	2330	May 26 1991
MAXIMUM PEAK STAGE			11.21	Aug 5	13.13	May 26 1991
ANNUAL RUNOFF (CFSM)	2.06		2.28		1.79	
ANNUAL RUNOFF (INCHES)	27.98		31.01		24.31	
10 PERCENT EXCEEDS	60		68		55	
50 PERCENT EXCEEDS	17		21		14	
90 PERCENT EXCEEDS	4.3		8.2		3.6	

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 mi^2.

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 NGVD of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Jan. 27-30 and Jul. 5-8. 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Feb. 22	0415	380	8.80	Sep. 22	1000	*489	*9.06
May 16	1745	427	8.92				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	13	15	36	16	28	16	18	13	19	23	8.3
2	9.6	12	16	23	15	25	15	22	16	17	12	7.8
3	8.3	20	16	20	18	23	15	17	29	13	11	8.1
4	90	20	82	18	30	22	15	15	16	11	12	8.6
5	26	111	53	17	17	22	30	25	14	e14	105	7.4
6	16	39	27	16	37	32	39	117	19	e11	33	7.1
7	36	26	21	16	30	22	93	55	22	e11	20	7.2
8	19	22	18	16	20	20	31	34	16	e10	14	7.0
9	14	20	16	17	20	18	27	25	13	10	12	6.6
10	27	21	34	17	24	17	25	21	12	15	10	6.4
11	35	30	21	15	18	17	22	43	34	16	9.7	6.4
12	19	20	16	15	16	16	20	23	33	11	9.7	6.2
13	15	18	29	15	16	27	19	18	20	12	12	6.2
14	13	17	20	15	28	22	18	39	20	13	10	8.7
15	14	32	16	15	61	18	17	31	19	11	9.2	7.4
16	13	25	15	21	55	17	16	117	30	10	8.4	6.5
17	11	20	15	18	30	52	22	101	18	10	11	6.4
18	10	19	15	15	25	32	18	50	23	8.8	20	6.4
19	9.3	28	25	15	23	50	16	38	37	12	11	6.2
20	9.7	22	23	16	39	27	15	33	26	11	17	6.1
21	11	20	17	16	48	22	33	36	16	14	14	44
22	10	18	15	15	156	21	17	30	13	18	10	205
23	9.9	17	18	13	50	19	15	25	12	13	11	29
24	10	17	133	13	34	18	45	22	11	10	9.5	16
25	10	17	31	14	39	17	67	22	10	8.9	8.5	13
26	11	19	24	15	56	26	28	25	9.9	8.1	8.0	12
27	11	18	20	e14	46	19	22	19	32	7.8	10	13
28	37	16	19	e18	32	18	19	17	16	7.5	12	11
29	33	17	17	e48	---	32	17	15	13	10	9.9	9.4
30	19	16	17	e26	---	18	15	14	18	13	9.0	9.0
31	14	---	24	17	---	17	---	14	---	16	8.9	---
TOTAL	582.8	710	828	565	999	734	767	1081	580.9	372.1	480.8	502.4
MEAN	18.8	23.7	26.7	18.2	35.7	23.7	25.6	34.9	19.4	12.0	15.5	16.7
MAX	90	111	133	48	156	52	93	117	37	19	105	205
MIN	8.3	12	15	13	15	16	15	14	9.9	7.5	8.0	6.1
MED	13	20	19	16	30	22	19	25	17	11	11	7.6
CFSM	1.69	2.13	2.41	1.64	3.21	2.13	2.30	3.14	1.74	1.08	1.40	1.51
IN.	1.95	2.38	2.77	1.89	3.35	2.46	2.57	3.62	1.95	1.25	1.61	1.68

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2003, BY WATER YEAR (WY)

MEAN	9.92	18.4	27.9	25.1	28.6	31.5	26.8	25.5	15.4	9.34	8.11	8.36
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1975 - 2003	
ANNUAL TOTAL	7739.2		8203.0			
ANNUAL MEAN	21.2		22.5		19.4	
HIGHEST ANNUAL MEAN					45.2	1991
LOWEST ANNUAL MEAN					9.80	1986
HIGHEST DAILY MEAN	341	May 3	205	Sep 22	984	May 3 1993
LOWEST DAILY MEAN	3.1	Sep 12	6.1	Sep 20	0.82	Aug 18 2000
ANNUAL SEVEN-DAY MINIMUM	3.3	Sep 8	6.6	Sep 7	0.84	Aug 18 2000
MAXIMUM PEAK FLOW			489	Sep 22	1510	May 3 1993
MAXIMUM PEAK STAGE			9.06	Sep 22	10.49	May 3 1993
ANNUAL RUNOFF (CFSM)	1.91		2.02		1.75	
ANNUAL RUNOFF (INCHES)	25.94		27.49		23.80	
10 PERCENT EXCEEDS	33		36		34	
50 PERCENT EXCEEDS	14		17		12	
90 PERCENT EXCEEDS	4.6		9.6		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 mi^2.

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 NGVD of 1929.

REMARKS.--Estimated discharges: Oct. 1-9 and Nov. 17-19. Records good 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 dischargae of 10,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Feb. 22	0445	10,400	23.22	May 17	1415	*10,600	*23.47

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e32	40	37	781	114	306	108	119	53	27	220	11
2	e35	36	36	252	101	228	99	124	54	24	48	7.6
3	e27	64	38	205	102	189	92	75	80	19	348	77
4	e240	156	2270	137	770	160	90	64	59	17	285	33
5	e175	3200	1310	117	176	153	806	65	47	14	707	15
6	e105	776	302	98	1210	203	540	2440	53	14	465	9.3
7	e120	236	162	88	935	148	2900	797	214	14	169	7.6
8	e95	139	122	89	260	126	495	358	75	13	61	7.4
9	e100	112	102	90	190	114	220	153	54	11	38	7.4
10	3670	99	214	100	225	100	187	102	44	11	30	5.5
11	1680	103	195	81	154	96	149	1140	91	8.9	24	4.6
12	375	82	123	71	122	92	115	215	207	7.9	21	4.2
13	115	68	504	70	102	606	99	107	83	67	35	3.9
14	73	64	322	70	1030	385	90	863	58	125	83	4.8
15	61	393	146	66	4000	177	80	502	102	23	26	4.2
16	51	481	113	85	1880	139	74	2540	239	12	16	3.6
17	40	e140	103	105	556	800	119	4690	659	51	13	3.1
18	35	e100	93	69	292	607	88	1260	481	16	12	3.3
19	32	e85	244	65	211	1660	70	514	908	298	33	3.0
20	34	77	393	70	703	427	64	292	382	68	19	2.6
21	36	74	132	76	1410	205	280	221	88	37	16	97
22	33	61	102	70	4090	159	94	183	54	65	12	2480
23	27	52	141	56	952	132	68	141	43	51	9.1	243
24	25	50	4070	43	452	117	1100	110	33	26	7.4	73
25	25	49	583	49	539	107	2200	100	27	15	6.5	46
26	30	49	238	58	1760	346	376	95	23	11	6.0	33
27	35	50	168	53	1060	172	173	84	29	9.0	6.3	26
28	81	45	135	54	499	124	123	74	28	8.3	21	21
29	165	44	118	682	---	538	95	68	23	73	13	16
30	100	43	107	355	---	153	82	61	22	105	8.8	14
31	52	---	137	148	---	120	---	60	---	455	30	---
TOTAL	7704	6968	12760	4353	23895	8889	11076	17617	4313	1696.1	2789.1	3267.1
MEAN	249	232	412	140	853	287	369	568	144	54.7	90.0	109
MAX	3670	3200	4070	781	4090	1660	2900	4690	908	455	707	2480
MIN	25	36	36	43	101	92	64	60	22	7.9	6.0	2.6
MED	52	76	141	81	519	160	112	141	56	19	24	8.4
CFSM	1.90	1.77	3.14	1.07	6.51	2.19	2.82	4.34	1.10	0.42	0.69	0.83
IN.	2.19	1.98	3.62	1.24	6.79	2.52	3.15	5.00	1.22	0.48	0.79	0.93

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2003, BY WATER YEAR (WY)

MEAN	64.8	223	400	375	457	363	320	301	152	39.4	40.8	27.8
MAX	545	844	1157	1001	1195	652	912	1946	773	282	329	109
(WY)	2002	2002	1992	2002	1990	1994	1991	1991	1997	1989	1992	2003
MIN	0.93	5.18	30.3	19.6	90.5	114	16.8	11.0	1.09	1.98	0.81	0.62
(WY)	2001	2000	2000	1986	2000	1988	1986	1988	1988	1990	2000	1999

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1982 - 2003	
ANNUAL TOTAL	106657.65		105327.3			
ANNUAL MEAN	292		289		230	
HIGHEST ANNUAL MEAN					435	1991
LOWEST ANNUAL MEAN					66.6	1988
HIGHEST DAILY MEAN	13900	Jan 23	4690	May 17	15500	May 26 1991
LOWEST DAILY MEAN	0.14	Sep 12	2.6	Sep 20	0.00	Aug 19 1988
ANNUAL SEVEN-DAY MINIMUM	0.17	Sep 8	3.5	Sep 14	0.05	Aug 14 1988
MAXIMUM PEAK FLOW			10600	May 17	41500	May 27 1991
MAXIMUM PEAK STAGE			23.47	May 17	30.88	May 27 1991
INSTANTANEOUS LOW FLOW			2.4	Sep 20	0.00	Aug 19 1988
ANNUAL RUNOFF (CFSM)	2.23		2.20		1.76	
ANNUAL RUNOFF (INCHES)	30.29		29.91		23.87	
10 PERCENT EXCEEDS	526		690		425	
50 PERCENT EXCEEDS	72		95		42	
90 PERCENT EXCEEDS	1.4		14		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 mi^2.

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 NGVD of 1929, from topographic map.

REMARKS.--Estimated daily discharges: July 7-8. Records good except for estimated daily discharges, which are poor. Satellite telemeter U.S. Army Corps of Engineers radio telemeter at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 330 cfs and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 4	0845	431	8.92	May 6	0145	*617	*10.39
Nov. 5	1215	420	8.81	May 14	0730	389	8.49
Dec. 24	0300	471	9.30	Jun. 15	2315	363	8.22
Feb. 22	0200	545	9.94	Sep. 22	0845	363	8.22
Apr. 7	0000	579	10.19				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	24	24	58	27	43	26	28	27	36	22	15
2	12	23	25	36	26	38	25	32	31	28	32	14
3	11	33	25	32	28	35	25	25	45	23	27	20
4	117	33	103	29	42	35	25	23	31	22	25	32
5	31	163	73	27	30	34	47	80	28	23	71	19
6	20	60	39	25	55	51	70	280	33	22	68	17
7	44	40	33	25	48	36	167	122	35	e21	32	17
8	22	33	29	25	35	34	55	72	30	e20	23	16
9	18	31	28	25	34	32	46	52	26	20	19	15
10	25	30	55	24	39	31	43	43	24	23	17	15
11	33	34	37	22	33	31	37	65	44	24	16	15
12	21	27	30	22	30	30	33	41	47	20	17	15
13	17	25	50	22	29	43	31	35	32	22	21	14
14	15	24	37	22	41	35	30	121	41	24	17	16
15	17	38	32	22	75	31	28	65	60	20	15	15
16	16	32	30	27	79	30	27	90	80	20	14	14
17	13	27	28	26	44	68	37	129	35	20	15	14
18	12	25	27	24	37	44	29	79	40	17	19	14
19	12	28	40	24	33	67	26	61	54	26	14	14
20	13	26	39	25	52	40	25	55	39	23	21	14
21	15	25	30	26	69	34	56	56	30	21	20	52
22	15	24	29	25	216	32	30	50	26	24	16	160
23	15	24	31	23	69	29	26	44	23	23	17	37
24	16	24	172	29	49	28	70	40	23	19	14	22
25	16	24	50	24	56	27	115	42	21	18	13	19
26	17	29	38	26	80	35	50	43	20	17	13	17
27	18	28	34	24	69	29	38	37	85	16	14	17
28	60	26	32	25	49	28	32	34	33	16	17	15
29	52	26	30	60	---	40	28	32	25	18	16	14
30	35	25	29	36	---	29	26	30	31	24	15	14
31	26	---	38	29	---	27	---	29	---	24	15	---
TOTAL	770	1011	1297	869	1474	1126	1303	1935	1099	674	675	692
MEAN	24.8	33.7	41.8	28.0	52.6	36.3	43.4	62.4	36.6	21.7	21.8	23.1
MAX	117	163	172	60	216	68	167	280	85	36	71	160
MIN	11	23	24	22	26	27	25	23	20	16	13	14
MED	17	27	32	25	43	34	32	44	32	22	17	15
CFSM	1.30	1.76	2.19	1.47	2.76	1.90	2.27	3.27	1.92	1.14	1.14	1.21
IN.	1.50	1.97	2.53	1.69	2.87	2.19	2.54	3.77	2.14	1.31	1.31	1.35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2003, BY WATER YEAR (WY)

MEAN	17.5	29.9	41.9	40.2	46.3	49.6	45.1	41.1	25.0	16.5	14.4	15.7
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1975 - 2003	
ANNUAL TOTAL	11376.0		12925			
ANNUAL MEAN	31.2		35.4		31.7	
HIGHEST ANNUAL MEAN					65.0	1991
LOWEST ANNUAL MEAN					17.2	1986
HIGHEST DAILY MEAN	485	May 3	280	May 6	1200	Dec 3 1983
LOWEST DAILY MEAN	5.3	Sep 12	11	Oct 3	2.1	Aug 28 1988
ANNUAL SEVEN-DAY MINIMUM	5.5	Sep 8	14	Oct 17	2.7	Aug 17 2000
MAXIMUM PEAK FLOW			617	May 6	2350	May 27 1991
MAXIMUM PEAK STAGE			10.39	May 6	12.71	May 27 1991
ANNUAL RUNOFF (CFSM)	1.63		1.85		1.66	
ANNUAL RUNOFF (INCHES)	22.16		25.17		22.57	
10 PERCENT EXCEEDS	52		60		57	
50 PERCENT EXCEEDS	24		28		21	
90 PERCENT EXCEEDS	8.9		16		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 mi^2, 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 NGVD of 1929. Prior to Oct. 27, 1934, nonrecording gage at bridge 200 ft upstream, and Oct. 27, 1934 to Aug. 22, 1939, nonrecording gage at present site, all at present datum.

REMARKS.--No estimated daily discharges. Records good. Some regulation by Tennessee-Tombigbee Waterway 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Feb. 16	2100	8,440	18.10	May 18	0600	*11,300	*18.66
Feb. 23	0000	8,890	18.20				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1300	368	234	1150	738	2460	776	575	315	242	605	182
2	696	336	220	1300	690	1780	689	602	284	238	383	179
3	450	311	210	1140	618	1350	614	555	328	222	248	194
4	774	428	610	1000	912	1080	567	492	345	193	540	244
5	1820	1180	3540	832	948	912	760	481	315	183	604	196
6	1220	4640	3860	710	908	901	1100	2320	296	182	1840	158
7	922	4240	2670	614	1970	871	3550	4280	391	168	3590	168
8	835	2630	1800	556	1930	766	5680	3920	451	157	2430	184
9	582	1640	1190	538	1480	700	3760	2670	372	148	1320	183
10	526	974	969	533	1230	634	2200	1680	325	158	753	183
11	2310	715	1010	529	1050	571	1490	1340	300	180	485	187
12	3650	570	861	489	875	536	1090	1750	448	172	372	190
13	2590	460	871	463	729	544	874	1260	463	176	321	199
14	1680	398	1230	459	720	1040	707	1390	392	304	342	211
15	962	395	1010	447	2150	811	604	1770	345	296	319	178
16	615	786	885	430	7440	714	541	1360	514	197	237	154
17	459	640	771	480	7070	836	517	5270	552	185	195	181
18	380	503	670	478	4230	1550	561	10500	1110	189	202	183
19	330	463	618	438	2600	2000	506	7460	1370	213	195	179
20	287	453	871	431	1900	3250	473	4270	1970	478	207	175
21	260	410	769	461	2260	2510	531	2430	1520	267	173	228
22	240	371	632	450	5990	1700	622	1790	942	228	155	1380
23	219	332	574	422	8350	1200	488	1100	626	307	164	4250
24	204	304	2950	387	5500	931	572	896	472	292	254	3430
25	196	290	6830	360	3080	755	2390	712	383	237	219	1930
26	193	283	4920	373	2570	706	3300	616	307	196	155	1000
27	208	274	2810	388	3890	815	2390	543	533	165	168	563
28	280	259	1730	389	3510	691	1590	487	369	164	210	378
29	424	246	1150	522	---	743	1040	442	275	171	235	286
30	578	243	873	1050	---	961	726	394	240	275	202	222
31	433	---	742	794	---	832	---	349	---	330	177	---
TOTAL	25623	25142	48080	18613	75338	35150	40708	63704	16553	6913	17300	17375
MEAN	827	838	1551	600	2691	1134	1357	2055	552	223	558	579
MAX	3650	4640	6830	1300	8350	3250	5680	10500	1970	478	3590	4250
MIN	193	243	210	360	618	536	473	349	240	148	155	154
CFSM	1.35	1.37	2.53	0.98	4.40	1.85	2.22	3.36	0.90	0.36	0.91	0.95
IN.	1.56	1.53	2.92	1.13	4.58	2.14	2.47	3.87	1.01	0.42	1.05	1.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2003, BY WATER YEAR (WY)

MEAN	275	561	1379	1400	1719	1538	1088	1076	700	275	257	228
MAX	880	2056	4885	3280	4652	2771	3244	7724	3164	1232	931	806
(WY)	2002	1987	1992	1999	1990	1995	1991	1991	1997	1989	1992	2002
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1985 - 2003	
ANNUAL TOTAL	393528		390499			
ANNUAL MEAN	1078		1070		871	
HIGHEST ANNUAL MEAN					1837	1991
LOWEST ANNUAL MEAN					353	1988
HIGHEST DAILY MEAN	27500	Jan 25	10500	May 18	55100	May 27 1991
LOWEST DAILY MEAN	110	Aug 6	148	Jul 9	33	Oct 5 1984
ANNUAL SEVEN-DAY MINIMUM	125	Aug 2	166	Jul 7	36	Oct 1 1984
MAXIMUM PEAK FLOW			11300	May 18	82200	Mar 22 1955
MAXIMUM PEAK STAGE			18.66	May 18	27.72	May 27 1991
ANNUAL RUNOFF (CFSM)	1.76		1.75		1.42	
ANNUAL RUNOFF (INCHES)	23.92		23.74		19.33	
10 PERCENT EXCEEDS	2610		2590		1870	
50 PERCENT EXCEEDS	413		567		332	
90 PERCENT EXCEEDS	141		193		117	

02431000 TOMBIGBEE RIVER NEAR FULTON, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.02	9.18	8.14	13.29	11.20	16.17	11.41	10.17	8.27	7.85	10.50	7.37
2	11.42	8.93	8.02	13.96	10.91	15.28	10.90	10.35	8.04	7.82	8.93	7.35
3	9.78	8.74	7.95	13.28	10.46	14.11	10.43	10.03	8.37	7.69	7.90	7.47
4	11.44	9.62	10.21	12.62	12.08	12.98	10.12	9.59	8.50	7.46	10.02	7.87
5	15.37	12.87	16.69	11.72	12.33	12.15	11.21	9.49	8.27	7.37	10.38	7.48
6	13.81	17.16	16.91	11.03	12.07	12.09	13.09	15.44	8.12	7.37	14.94	7.17
7	12.67	17.04	16.34	10.43	15.56	11.93	16.41	17.07	8.84	7.25	16.81	7.25
8	12.22	16.29	15.30	10.04	15.54	11.36	17.48	16.94	9.28	7.16	16.10	7.39
9	10.71	14.96	13.46	9.91	14.55	10.97	16.87	16.32	8.70	7.08	13.98	7.38
10	10.29	12.86	12.45	9.88	13.67	10.56	15.88	15.01	8.35	7.17	11.41	7.38
11	15.78	11.56	12.65	9.85	12.86	10.15	14.56	14.02	8.16	7.35	9.68	7.41
12	16.84	10.63	11.88	9.56	11.96	9.90	13.04	15.24	9.25	7.29	8.85	7.43
13	16.27	9.85	11.93	9.37	11.14	9.95	11.95	13.78	9.37	7.32	8.47	7.51
14	15.05	9.39	13.67	9.34	11.07	12.81	11.01	14.16	8.85	8.32	8.62	7.60
15	12.79	9.38	12.68	9.26	15.40	11.61	10.37	15.29	8.50	8.27	8.45	7.33
16	10.92	11.93	12.01	9.13	17.87	11.06	9.94	14.15	9.72	7.49	7.81	7.14
17	9.85	11.09	11.38	9.50	17.80	11.71	9.77	17.15	10.01	7.39	7.47	7.36
18	9.26	10.16	10.78	9.48	17.04	14.77	10.08	18.53	13.10	7.42	7.54	7.37
19	8.89	9.88	10.46	9.19	16.27	15.55	9.68	17.89	14.12	7.61	7.47	7.34
20	8.55	9.80	11.92	9.14	15.53	16.68	9.45	17.04	15.61	9.63	7.57	7.31
21	8.35	9.49	11.36	9.36	15.98	16.20	9.86	16.13	14.61	8.04	7.30	7.73
22	8.18	9.20	10.54	9.28	17.47	15.09	10.47	15.32	12.33	7.74	7.15	13.42
23	8.02	8.90	10.16	9.07	18.08	13.53	9.56	13.12	10.56	8.36	7.22	17.04
24	7.90	8.69	15.36	8.81	17.41	12.25	10.05	12.06	9.53	8.25	7.94	16.73
25	7.84	8.58	17.76	8.61	16.58	11.30	15.91	11.04	8.90	7.81	7.67	15.45
26	7.81	8.52	17.25	8.71	16.27	11.00	16.70	10.44	8.34	7.49	7.14	12.68
27	7.93	8.46	16.40	8.82	16.93	11.63	16.10	9.95	9.99	7.23	7.25	10.22
28	8.50	8.34	15.13	8.83	16.78	10.92	14.81	9.55	8.83	7.22	7.60	8.90
29	9.58	8.23	13.33	9.75	---	11.20	12.77	9.22	8.11	7.28	7.80	8.20
30	10.69	8.21	11.94	12.88	---	12.41	11.11	8.87	7.84	8.10	7.53	7.69
31	9.65	---	11.22	11.51	---	11.73	---	8.53	---	8.53	7.33	---
MEAN	10.98	10.60	12.75	10.18	14.67	12.55	12.37	13.29	9.68	7.69	9.19	8.87
MAX	16.84	17.16	17.76	13.96	18.08	16.68	17.48	18.53	15.61	9.63	16.81	17.04
MIN	7.81	8.21	7.95	8.61	10.46	9.90	9.45	8.53	7.84	7.08	7.14	7.14

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 mi^2.

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

REMARKS.--No estimated daily discharges. Records good. Discharges over 200 ft^3/s not determined. Satellite telemeter at station.

AVERAGE DISCHARGE.--21 years (water years 1944-64), 212 ft^3/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 ft^3/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 8.40 ft, May 7, minimum discharge, 25 ft^3/s, Sept. 20 and 21.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	85	165	102	---	189	---	131	110	135	102	50	56
2	79	138	95	---	164	---	126	123	124	122	50	58
3	67	133	95	---	151	---	121	112	---	89	39	50
4	148	175	---	---	---	---	118	101	186	73	38	127
5	---	---	---	195	186	---	146	108	137	65	---	92
6	122	---	---	178	185	---	174	---	123	65	---	60
7	113	---	---	159	---	---	---	---	144	61	---	51
8	121	---	---	153	---	---	---	---	148	57	---	48
9	93	---	---	152	---	---	---	---	118	51	165	44
10	84	---	---	148	---	187	---	---	102	49	121	41
11	101	---	---	132	---	173	---	---	96	82	99	38
12	118	---	---	122	175	162	---	---	171	65	87	37
13	103	178	---	117	156	166	177	---	145	53	102	34
14	89	160	---	116	164	---	157	---	115	49	99	33
15	78	169	---	111	---	169	144	---	112	49	82	33
16	84	---	---	112	---	156	133	---	156	45	70	32
17	81	---	---	137	---	---	130	---	119	88	64	30
18	67	174	---	115	---	---	134	---	163	65	117	28
19	59	162	195	109	---	---	119	---	167	49	91	28
20	56	158	---	105	---	---	111	---	157	52	79	26
21	60	146	---	109	---	---	125	---	114	46	66	38
22	74	138	---	109	---	---	123	---	90	172	65	---
23	66	126	188	100	---	---	104	---	79	144	64	---
24	61	118	---	88	---	---	118	---	71	83	71	---
25	60	115	---	88	---	180	---	---	65	61	55	---
26	61	115	---	93	---	179	---	---	61	51	49	148
27	64	138	---	92	---	179	197	---	98	45	47	145
28	186	118	---	88	---	159	158	---	151	41	---	122
29	---	109	---	176	---	160	135	186	91	37	101	98
30	---	106	---	---	---	158	122	164	76	41	71	85
31	---	---	---	---	---	138	---	151	---	48	61	---
TOTAL	---	---	---	---	---	---	---	---	---	2100	---	---
MEAN	---	---	---	---	---	---	---	---	---	67.7	---	---
MAX	---	---	---	---	---	---	---	---	---	172	---	---
MIN	---	---	---	---	---	---	---	---	---	37	---	---
MED	---	---	---	---	---	---	---	---	---	57	---	---
CFSM	---	---	---	---	---	---	---	---	---	0.50	---	---
IN.	---	---	---	---	---	---	---	---	---	0.57	---	---

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 mi^2, 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 NGVD of 1929 (levels by U. S. Army Corps of Engineers) Prior to Sept. 9, 1949, nonrecording gage at same site and datum. Water-stage recorder for Tombigbee River near Amory (Station 02437000), 4.0 mi downstream, used as an auxiliary gage for this station.

REMARKS.--Estimated daily discharges: May 27 - Jun. 5 and Jun. 17-18. 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 ft^3/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 ft^3/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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Feb. 24	1400	18,300	16.72	May 7	2200	16,200	16.80
Apr. 7	0930	15,600	16.73	May 19	1700	*21,300	*17.51
May 6	1445	(a)	17.23				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5310	1130	425	2520	1770	7090	1790	1090	e1370	1310	611	379
2	3790	823	407	2980	1250	6210	1300	672	e1020	702	928	379
3	2040	1060	701	2640	1130	4630	1150	586	e1970	650	957	380
4	2840	691	1350	2010	1870	3320	1870	714	e1430	833	606	582
5	3520	5300	5650	2220	1950	2870	1410	703	e702	500	2230	469
6	3110	8810	4680	1520	2080	2910	1880	10700	1070	467	3150	410
7	3180	6210	4700	1480	3510	2670	12000	11700	1320	536	5040	368
8	2250	7990	5240	1320	3550	2370	7560	13700	969	440	3710	364
9	2050	6330	4010	977	2870	1950	7670	9260	1050	443	3840	378
10	1040	4130	3700	934	3650	2170	8390	6540	668	707	2760	373
11	2730	2990	3120	898	2280	1770	5010	4970	898	720	1590	367
12	2480	1580	3130	1280	1890	1240	3440	4050	2250	467	908	369
13	3250	1520	2520	941	1990	1210	2260	3170	1030	435	1090	369
14	3300	1230	2800	741	1550	2030	1870	3530	1530	674	652	375
15	3000	1560	2950	725	3450	2100	1290	4430	751	664	787	389
16	2170	1550	2410	944	8460	1630	1090	4260	1880	555	584	367
17	1230	1760	1870	996	7070	2360	1080	7140	e1760	450	484	343
18	816	1530	1710	797	11000	3760	983	9730	e2800	420	431	349
19	635	844	1770	752	9790	4500	760	19500	2060	1060	429	352
20	551	1300	1810	703	6920	5330	640	17400	3020	1180	504	346
21	661	1030	2670	874	6210	4890	1220	10900	3100	849	827	715
22	469	668	1630	776	12300	4900	807	7230	2550	552	437	7810
23	438	604	1570	1220	12700	3690	1310	4740	1780	709	421	5320
24	415	551	7530	654	16800	3000	985	3430	1130	699	400	4450
25	863	513	6520	593	13400	2550	3900	2350	810	601	675	5580
26	468	1130	6980	656	10000	2040	3670	2270	673	448	432	4510
27	735	564	9230	1170	10100	1940	3570	e1990	2180	408	438	2710
28	1660	482	6670	603	7880	1530	3220	e1640	1960	374	621	1330
29	2270	467	4130	1440	---	2310	2360	e1430	1330	365	580	692
30	2190	1060	3400	2360	---	1600	1970	e1160	652	518	646	535
31	1940	---	2760	2550	---	2000	---	e1080	---	664	417	---
TOTAL	61401	65407	108043	40274	167420	92570	86455	172065	45713	19400	37185	41360
MEAN	1981	2180	3485	1299	5979	2986	2882	5550	1524	626	1200	1379
MAX	5310	8810	9230	2980	16800	7090	12000	19500	3100	1310	5040	7810
MIN	415	467	407	593	1130	1210	640	586	652	365	400	343
MED	2050	1180	2950	977	3600	2370	1870	4050	1350	555	646	380
CFSM	1.62	1.78	2.84	1.06	4.88	2.44	2.35	4.53	1.24	0.51	0.98	1.12
IN.	1.86	1.98	3.28	1.22	5.08	2.81	2.62	5.22	1.39	0.59	1.13	1.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2003, BY WATER YEAR (WY)

MEAN	617	1070	2943	2977	3625	3446	2651	2632	1544	624	499	589
MAX	1981	3666	9297	7248	9187	6211	7958	17810	8068	1900	1200	1770
(WY)	2003	1987	1991	1999	1991	1995	1991	1991	1997	1989	2003	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1985 - 2003	
ANNUAL TOTAL	961336		937293			
ANNUAL MEAN	2634		2568		1927	
HIGHEST ANNUAL MEAN					4530	1991
LOWEST ANNUAL MEAN					613	1988
HIGHEST DAILY MEAN	50800	Jan 26	19500	May 19	89500	May 28 1991
LOWEST DAILY MEAN	244	Sep 15	343	Sep 17	54	Oct 7 1984
ANNUAL SEVEN-DAY MINIMUM	255	Sep 9	360	Sep 14	83	Oct 1 1984
MAXIMUM PEAK FLOW			21300	May 19	101000	May 28 1991
MAXIMUM PEAK STAGE			17.51	May 19	27.49	May 28 1991
INSTANTANEOUS LOW FLOW			337	Sep 17,18	102	Oct 9 1985
ANNUAL RUNOFF (CFSM)	2.15		2.09		1.57	
ANNUAL RUNOFF (INCHES)	29.17		28.44		21.36	
10 PERCENT EXCEEDS	6260		6410		4320	
50 PERCENT EXCEEDS	1130		1550		738	
90 PERCENT EXCEEDS	266		442		265	

e Estimated
a Slope affected discharge.

02433500 TOMBIGBEE RIVER AT BIGBEE, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.59	5.56	4.39	7.89	6.41	11.94	6.28	5.75	---	5.58	4.51	4.01
2	8.73	5.12	4.35	8.12	5.62	11.26	5.53	5.12	---	4.68	5.03	4.00
3	6.89	5.45	4.91	7.64	5.46	9.78	5.33	4.97	---	4.58	5.06	4.01
4	8.18	4.92	6.27	6.77	6.67	8.34	6.40	5.20	---	4.86	4.50	4.45
5	8.90	10.47	12.26	7.07	6.69	7.80	5.72	5.15	---	4.29	6.84	4.22
6	8.32	13.65	10.31	6.02	7.13	7.91	6.41	15.18	5.21	4.22	8.49	4.08
7	8.37	11.37	9.99	5.97	9.23	7.53	15.34	15.76	5.58	4.35	11.94	3.97
8	7.19	12.57	10.49	5.73	8.74	7.13	12.59	15.51	5.08	4.15	8.97	3.96
9	6.91	11.48	9.25	5.25	7.95	6.53	12.43	13.23	5.19	4.16	8.94	4.00
10	5.52	9.47	8.92	5.19	8.86	6.79	12.54	11.51	4.62	4.65	7.65	3.99
11	9.13	8.12	8.22	5.14	7.15	6.24	10.46	10.41	4.94	4.66	5.98	3.97
12	7.75	6.22	8.26	5.66	6.58	5.45	8.90	9.24	6.79	4.22	5.00	3.98
13	8.51	6.13	7.48	5.19	6.72	5.42	7.47	8.17	5.17	4.14	5.25	3.98
14	8.58	5.73	7.91	4.90	6.06	6.70	6.90	8.91	5.91	4.62	4.59	3.99
15	8.22	6.23	8.03	4.87	8.92	6.74	6.03	10.09	4.76	4.61	4.79	4.03
16	7.09	6.17	7.33	5.18	13.32	6.02	5.53	9.38	6.41	4.40	4.46	3.97
17	5.72	6.51	6.57	5.26	11.89	7.19	5.74	12.13	---	4.18	4.25	3.91
18	5.13	6.15	6.30	4.99	14.10	8.70	5.61	13.89	---	4.11	4.13	3.92
19	4.83	5.18	6.40	4.91	13.52	10.01	5.27	17.02	6.96	5.15	4.13	3.93
20	4.67	5.81	6.44	4.83	11.81	10.50	5.07	16.40	8.16	5.39	4.25	3.92
21	4.85	5.42	7.67	5.07	11.42	10.06	5.93	13.98	8.04	4.91	4.84	4.50
22	4.49	4.89	6.19	4.94	15.54	9.90	5.34	12.00	7.38	4.40	4.15	12.78
23	4.42	4.77	6.08	5.57	15.12	8.77	6.07	9.90	6.26	4.65	4.11	10.53
24	4.36	4.67	12.92	4.74	16.27	7.95	5.63	8.48	5.31	4.66	4.06	9.60
25	5.10	4.59	11.97	4.63	15.04	7.38	10.57	7.11	4.86	4.48	4.58	10.72
26	4.49	5.54	11.85	4.72	13.76	6.66	9.22	6.99	4.63	4.17	4.14	9.62
27	4.91	4.68	13.24	5.50	13.95	6.51	9.05	---	6.83	4.08	4.12	7.58
28	6.41	4.52	11.58	4.65	12.43	5.87	8.67	---	6.53	3.99	4.50	5.61
29	7.18	4.49	9.38	6.07	---	6.82	7.61	---	5.61	3.97	4.45	4.66
30	7.14	5.43	8.56	7.42	---	5.73	7.07	---	4.59	4.29	4.58	4.36
31	6.76	---	7.79	7.51	---	6.59	---	---	---	4.60	4.10	---
MEAN	6.75	6.71	8.43	5.72	10.23	7.75	7.69	---	---	4.49	5.37	5.34
MAX	10.59	13.65	13.24	8.12	16.27	11.94	15.34	---	---	5.58	11.94	12.78

02435020 TOWN CREEK AT EASON BOULEVARD AT TUPELO, MS

LOCATION.--Lat 34°14'06", long 88°41'40", 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 mi^2, includes that of Kings Creek.

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

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

GAGE.--Water-stage recorder. Datum of gage is 230.00 ft above NGVD of 1929.

REMARKS.--Estimated daily discharges: Mar. 20-28, Mar. 30 - Apr. 1 and May 14-15. 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 8,000 ft3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 10	2030	9,200	16.61	Apr. 7	0345	10,200	16.55
Nov. 5	1430	9,870	17.56	May 6	0345	12,000	19.56
Dec. 24	0400	10,800	18.66	Aug. 6	1330	*17,200	*21.30
Feb. 22	0345	11,600	18.92	Sep. 22	1015	9,800	17.00

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	452	148	49	1100	163	771	e190	186	119	74	115	72
2	328	135	48	471	146	622	149	349	121	66	48	59
3	253	173	50	385	146	556	135	115	178	47	610	153
4	2780	305	3020	281	490	461	130	109	103	40	967	143
5	781	5130	2850	246	320	420	403	818	78	33	312	52
6	401	1850	933	208	1390	480	825	7480	99	35	6750	45
7	289	706	594	180	1550	385	4700	3420	615	38	4550	38
8	207	476	431	169	634	335	1130	1250	147	29	1160	33
9	163	352	321	161	494	305	591	520	105	38	601	30
10	2380	298	345	150	525	265	443	386	78	43	463	27
11	3530	257	321	134	374	242	361	1700	79	37	368	25
12	813	184	229	123	305	216	282	611	371	23	266	23
13	464	146	545	115	253	509	235	407	181	20	984	25
14	329	128	518	104	516	590	203	e3000	114	134	522	28
15	224	195	267	94	3980	354	179	e1750	93	78	306	23
16	181	410	210	105	3060	304	166	1000	185	49	208	20
17	148	204	183	125	1150	626	196	3730	128	37	150	19
18	127	147	161	93	729	656	181	3190	389	28	237	19
19	104	141	182	91	590	2680	163	1570	517	497	443	18
20	90	137	419	97	1530	e880	158	1160	395	182	135	17
21	87	123	208	98	2180	e600	407	979	168	67	102	128
22	72	101	164	92	6920	e420	272	761	120	47	77	4800
23	60	84	227	75	1970	e320	209	572	94	39	61	1090
24	54	77	6610	84	970	e290	1330	499	76	31	52	484
25	49	74	1550	93	1400	e270	3220	423	60	25	44	334
26	49	75	840	88	2830	e480	654	340	48	27	38	217
27	52	71	605	77	2040	e280	354	276	1030	41	183	162
28	101	62	452	76	1110	e190	254	227	169	29	296	127
29	245	57	381	350	---	562	185	191	92	19	122	97
30	277	55	310	359	---	e340	142	160	83	114	83	80
31	175	---	353	198	---	e250	---	141	---	109	86	---
TOTAL	15265	12301	23376	6022	37765	15659	17847	37320	6035	2076	20339	8388
MEAN	492	410	754	194	1349	505	595	1204	201	67.0	656	280
MAX	3530	5130	6610	1100	6920	2680	4700	7480	1030	497	6750	4800
MIN	49	55	48	75	146	190	130	109	48	19	38	17
MED	207	146	345	123	850	420	244	572	120	39	237	48
CFSM	2.11	1.76	3.24	0.83	5.79	2.17	2.55	5.17	0.86	0.29	2.82	1.20
IN.	2.44	1.96	3.73	0.96	6.03	2.50	2.85	5.96	0.96	0.33	3.25	1.34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2003, BY WATER YEAR (WY)

MEAN	112	292	681	744	718	832	593	541	253	83.5	73.5	78.7
MAX	795	1336	2996	2970	2079	2759	2193	2997	994	478	656	606
(WY)	2002	1980	1983	1974	1991	1975	1983	1991	1997	1989	2003	2002
MIN	1.30	8.59	23.8	28.1	99.2	150	41.5	19.9	5.92	6.93	2.94	2.57
(WY)	2001	2000	2000	1986	2000	1988	1986	2000	1988	2000	1988	2000

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1971 - 2003	
ANNUAL TOTAL	214079.7		202393			
ANNUAL MEAN	587		555		416	
HIGHEST ANNUAL MEAN					903	1983
LOWEST ANNUAL MEAN					97.4	1988
HIGHEST DAILY MEAN	12300	May 3	7480	May 6	26200	May 27 1991
LOWEST DAILY MEAN	3.4	Aug 13	17	Sep 20	0.42	Aug 25 1988
ANNUAL SEVEN-DAY MINIMUM	3.9	Aug 7	21	Sep 14	0.80	Aug 21 1988
MAXIMUM PEAK FLOW			17200	Aug 6	37900	May 27 1991
MAXIMUM PEAK STAGE			21.30	Aug 6	27.80	May 27 1991
ANNUAL RUNOFF (CFSM)	2.52		2.38		1.78	
ANNUAL RUNOFF (INCHES)	34.18		32.31		24.24	
10 PERCENT EXCEEDS	1520		1200		868	
50 PERCENT EXCEEDS	128		207		96	
90 PERCENT EXCEEDS	7.0		46		7.5	

e Estimated

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

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.47	2.79	2.52	4.53	2.83	4.01	---	2.83	2.60	2.46	2.59	2.45
2	3.22	2.74	2.51	3.50	2.77	3.77	2.78	3.19	2.60	2.43	2.37	2.41
3	3.06	2.85	2.52	3.33	2.77	3.68	2.73	2.67	2.78	2.36	3.51	2.70
4	7.40	3.18	7.48	3.11	3.52	3.48	2.72	2.65	2.55	2.33	4.27	2.67
5	4.03	11.00	7.62	3.04	3.20	3.40	3.32	3.76	2.47	2.29	3.10	2.38
6	3.37	5.81	4.31	2.95	5.03	3.51	3.95	14.73	2.54	2.30	12.67	2.35
7	3.14	3.97	3.79	2.87	5.29	3.33	10.59	8.52	3.63	2.32	10.61	2.32
8	2.95	3.58	3.49	2.84	3.79	3.23	4.57	4.75	2.69	2.27	4.59	2.29
9	2.83	3.33	3.27	2.82	3.54	3.17	3.71	3.51	2.56	2.30	3.65	2.27
10	6.15	3.22	3.32	2.78	3.60	3.08	3.44	3.25	2.47	2.34	3.40	2.25
11	8.91	3.13	3.27	2.73	3.31	3.03	3.28	5.53	2.48	2.31	3.22	2.24
12	4.08	2.95	3.07	2.69	3.17	2.99	3.11	3.66	3.21	2.22	3.00	2.22
13	3.49	2.84	3.64	2.67	3.05	3.51	3.01	3.29	2.79	2.19	4.26	2.24
14	3.23	2.78	3.64	2.64	3.54	3.70	2.94	---	2.59	2.64	3.50	2.26
15	3.00	2.96	3.15	2.61	9.31	3.27	2.87	---	2.52	2.47	3.09	2.22
16	2.89	3.45	3.02	2.64	7.91	3.16	2.85	4.32	2.80	2.37	2.87	2.20
17	2.79	3.00	2.95	2.70	4.62	3.74	2.92	8.86	2.62	2.31	2.70	2.19
18	2.72	2.84	2.89	2.60	3.94	3.82	2.88	8.16	3.26	2.26	2.86	2.18
19	2.65	2.83	2.93	2.59	3.72	7.22	2.83	5.29	3.45	3.30	3.31	2.18
20	2.60	2.81	3.46	2.62	5.27	---	2.81	4.60	3.24	2.77	2.66	2.17
21	2.59	2.76	3.02	2.62	6.36	---	3.35	4.27	2.76	2.44	2.55	2.51
22	2.54	2.70	2.90	2.60	13.89	---	3.09	3.91	2.60	2.36	2.47	10.59
23	2.50	2.64	2.98	2.54	6.00	---	2.95	3.71	2.52	2.32	2.42	4.48
24	2.48	2.62	13.39	2.57	4.32	---	4.89	3.47	2.46	2.28	2.38	3.44
25	2.46	2.61	5.28	2.60	5.01	---	8.14	3.32	2.41	2.23	2.35	3.14
26	2.46	2.61	4.11	2.59	7.49	---	3.83	3.16	2.37	2.25	2.32	2.89
27	2.47	2.60	3.74	2.55	6.10	---	3.27	3.02	4.32	2.33	2.65	2.74
28	2.63	2.57	3.46	2.54	4.54	---	3.05	2.91	2.75	2.27	3.05	2.63
29	3.00	2.55	3.32	3.22	---	3.64	2.89	2.82	2.52	2.19	2.61	2.53
30	3.11	2.54	3.18	3.27	---	---	2.76	2.74	2.49	2.56	2.49	2.48
31	2.87	---	3.24	2.92	---	---	---	2.68	---	2.57	2.50	---
MEAN	3.39	3.28	3.92	2.85	4.92	---	---	---	2.77	2.39	3.55	2.79
MAX	8.91	11.00	13.39	4.53	13.89	---	---	---	4.32	3.30	12.67	10.59
MIN	2.46	2.54	2.51	2.54	2.77	---	---	---	2.37	2.19	2.32	2.17
MED	2.95	2.83	3.27	2.69	4.13	---	---	---	2.60	2.32	2.87	2.37

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 downstream side of downstream 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 mi^2.

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 NGVD of 1929 (levels by U. S. Army Corps of Engineers). Prior to Oct. 1, 1947, at datum 10.00 ft higher.

REMARKS.--Estimated daily discharges: August 8-22 and September 4. 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 5	1530	19,300	25.64	May 6	0900	*28,400	*27.63
Dec. 4	2200	15,400	22.37	May 7	1515	16,000	23.90
Dec. 24	0700	19,100	25.47	Aug. 6	1600	16,100	24.09
Feb. 22	0445	20,500	26.11	Sep. 22	1200	16,100	23.96
Apr. 7	0430	20,600	26.14				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1150	263	180	3240	562	1840	527	568	370	320	328	205
2	776	218	169	1430	484	1490	473	1070	340	280	233	164
3	555	397	171	965	445	1210	437	889	683	240	885	306
4	5240	884	6460	706	1500	1040	418	503	397	213	2020	e420
5	2160	11400	7420	611	792	950	880	1840	321	211	1330	214
6	935	5300	2220	527	3410	1960	2200	21500	425	573	8140	158
7	1820	2060	1220	461	3680	1090	13400	11200	1250	211	8940	139
8	758	1360	866	437	1500	857	2920	4200	593	178	e2450	125
9	452	930	677	422	1110	760	1780	2410	411	159	e1600	113
10	3160	734	1320	399	1730	647	1350	1840	340	224	e756	106
11	6700	805	1050	353	1050	597	1060	4100	540	248	e459	99
12	2320	557	649	326	800	549	845	2080	1580	165	e430	91
13	1390	434	1370	313	669	835	707	1290	691	151	e462	87
14	901	376	1500	304	1020	1290	619	5020	460	657	e943	110
15	665	650	735	288	6800	746	552	3530	385	324	e683	89
16	534	900	560	292	7290	622	496	1990	1210	230	e377	80
17	417	540	486	340	2610	2600	503	6790	767	204	e315	76
18	344	403	430	279	1880	1880	476	6100	2010	174	e301	73
19	297	348	723	269	1540	5000	412	2800	2320	927	e536	70
20	267	343	1350	278	2540	2110	379	2080	1930	676	e419	67
21	256	317	605	277	5510	1300	896	1810	608	272	e286	136
22	235	277	459	265	14800	1070	593	1510	396	215	e237	9440
23	206	248	397	230	4430	922	404	1240	314	189	204	2720
24	188	230	13400	195	2610	812	2450	991	268	166	178	1220
25	175	218	3420	246	2650	715	7230	862	235	148	157	757
26	167	226	1990	246	5730	755	2210	814	209	135	143	518
27	165	244	1400	240	5700	709	1360	650	1490	140	158	400
28	1920	213	1050	234	2500	593	945	567	494	132	968	326
29	1450	197	842	2050	---	1110	706	503	297	121	332	275
30	790	193	719	1620	---	776	563	448	318	1240	236	242
31	361	---	722	756	---	602	---	411	---	532	202	---
TOTAL	36754	31265	54560	18599	85342	37437	47791	91606	21652	9655	34708	18826
MEAN	1186	1042	1760	600	3048	1208	1593	2955	722	311	1120	628
MAX	6700	11400	13400	3240	14800	5000	13400	21500	2320	1240	8940	9400
MIN	165	193	169	195	445	549	379	411	209	121	143	67
CFSM	1.91	1.68	2.84	0.97	4.92	1.95	2.57	4.77	1.16	0.50	1.81	1.01
IN.	2.21	1.88	3.27	1.12	5.12	2.25	2.87	5.50	1.30	0.58	2.08	1.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2003, BY WATER YEAR (WY)

MEAN	184	710	1415	1696	1951	2128	1561	1053	508	358	189	228
MAX	1390	6074	8062	6105	5740	6215	5434	8377	3924	2512	1381	2208
(WY)	2002	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1940 - 2003	
ANNUAL TOTAL	505527		488195			
ANNUAL MEAN	1385		1338		994	
HIGHEST ANNUAL MEAN					2342	1991
LOWEST ANNUAL MEAN					306	1954
HIGHEST DAILY MEAN	29100	May 4	21500	May 6	95300	Mar 22 1955
LOWEST DAILY MEAN	18	Sep 13	67	Sep 20	1.0	Sep 14 1942
ANNUAL SEVEN-DAY MINIMUM	20	Sep 9	81	Sep 14	1.6	Oct 8 1942
MAXIMUM PEAK FLOW			28400	May 6	151000	Mar 22 1955
MAXIMUM PEAK STAGE			27.63	May 6	33.88	Mar 22 1955
ANNUAL RUNOFF (CFSM)	2.23		2.16		1.60	
ANNUAL RUNOFF (INCHES)	30.33		29.29		21.78	
10 PERCENT EXCEEDS	3210		2680		2180	
50 PERCENT EXCEEDS	421		597		207	
90 PERCENT EXCEEDS	33		178		21	

e Estimated

02437100 TOMBIGBEE RIVER AT ABERDEEN LOCK AND DAM, 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, Monroe County, Hydrologic Unit 03160101, 0.85 mi upstream from (02437500) Tombigbee River at Aberdeen and at mile 362.98.

DRAINAGE AREA.--2,047 mi^2, 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-positon, and lockage recorder. Datum of gage is 150.00 ft above NGVD 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: March 29,30 and April 16. Records good above 1,000 ft^3/s and poor below due to variable backwater from Columbus Lock and Dam. Estimasted daily discharges are 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 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6880	2180	866	9080	3340	11800	2910	2760	2420	2980	1190	730
2	5840	1720	383	6720	2860	9820	2760	3230	1440	1620	1570	743
3	3650	2490	2080	5510	2580	7830	2470	3030	4360	1390	2520	1110
4	10000	3360	6960	4440	5140	6310	3170	2960	2690	1840	4610	1650
5	9660	17500	19400	3920	4100	5290	3240	4710	1810	1160	6120	922
6	5800	25400	9920	3570	6400	7690	4920	35900	2620	1780	11600	1050
7	6740	11300	8080	3320	12600	5500	33500	37900	4560	1790	22000	1070
8	4510	11300	7730	2610	7800	4560	17400	29100	2110	1050	9010	376
9	4270	9510	6480	2900	5430	3730	10900	14800	2480	1000	6990	882
10	2800	7120	7100	1850	7560	3130	11900	10500	1020	1920	5300	1090
11	15500	5550	6410	2740	4990	3200	8130	11600	2660	1930	2980	501
12	7380	3260	5520	2540	3310	3280	6320	9450	5730	887	2190	549
13	6190	2490	5030	2260	4080	2890	4300	6080	2340	1410	2580	391
14	5620	3380	6550	2260	3100	5080	3700	9800	3430	1990	3140	853
15	4920	3810	5770	1390	11900	4440	2410	13400	1750	1840	2350	624
16	4110	5140	4500	2700	23500	3210	e3100	8520	4490	1430	1790	745
17	2250	3660	3320	2300	12100	8240	2860	15900	2800	1270	1370	346
18	1720	4030	3340	2270	14100	9240	3190	22400	6450	692	1370	596
19	834	3360	3380	1670	13300	13000	2090	22500	7090	2740	2930	790
20	1330	3340	4780	1880	10300	11100	1780	22200	8120	3140	1760	670
21	1870	4180	5300	1990	15400	8730	2980	15100	4520	1700	1700	1320
22	1670	2220	3840	2520	34300	7740	2280	10700	3990	1470	936	18900
23	1740	1240	3450	2410	25600	6560	3620	8710	3070	1540	1050	14300
24	1150	2110	21900	1280	19100	5060	4670	6630	1690	1490	1030	6700
25	1670	1360	17100	1310	16700	4620	17900	4790	1360	1550	1290	8350
26	1140	2690	10900	1670	16900	3820	9580	4760	1830	821	1140	6660
27	1270	1320	12800	2170	22900	3920	7500	3270	6020	794	766	4290
28	7610	1310	9740	2040	13800	2960	6680	3080	3530	895	2460	2330
29	5500	2360	7100	5270	---	e4540	5210	2780	2640	1200	1600	1880
30	4950	1940	5910	7000	---	e3790	4320	1880	1980	3450	1560	1080
31	3840	---	5200	4830	---	3640	---	1700	---	2650	1480	---
MEAN	4594	5021	7124	3175	11540	5959	6526	11290	3367	1659	3496	2717
MAX	15500	25400	21900	9080	34300	13000	33500	37900	8120	3450	22000	18900
MIN	834	1240	383	1280	2580	2890	1780	1700	1020	692	766	346

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2003, BY WATER YEAR (WY)

MEAN	1573	2677	5918	6231	7598	7000	5498	5213	3357	1864	1277	1181
MAX	4594	8154	15520	13090	17580	11750	16630	29390	14180	10680	3496	3711
(WY)	2003	1987	1991	1999	1991	1995	1991	1991	1997	1989	2003	2002
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1984 - 2003	
ANNUAL MEAN	5320		5503		4125	
HIGHEST ANNUAL MEAN					8424	1991
LOWEST ANNUAL MEAN					1781	1988
HIGHEST DAILY MEAN	67000	Jan 25	37900	May 7	103000	May 28 1991
LOWEST DAILY MEAN	189	Aug 30	346	Sep 17	77	Jun 15 1985
ANNUAL SEVEN-DAY MINIMUM	423	Aug 29	573	Sep 11	138	Sep 16 1984
MAXIMUM PEAK FLOW			47400	May 6	123000	Mar 18 1973
MAXIMUM PEAK STAGE			26.78	May 7	45.02	Mar 18 1973
10 PERCENT EXCEEDS	11700		12300		9610	
50 PERCENT EXCEEDS	2470		3340		1930	
90 PERCENT EXCEEDS	603		1140		545	

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 mi^2.

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: Feb. 24 - Mar. 5, Mar. 12-20, Mar. 28 - Apr. 1, Jul. 22-30 and Sept. 21-28. 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 8	0300	11,600	16.21	Mar. 1	unknown	unknown	unknown
Dec. 27	1030	6,500	14.42	Apr. 9	2115	6,650	14.49
Feb. 18	1945	8,550	15.27	May 8	0515	*25,300	*18.30
Feb. 24	0230	24,000	18.13	May 19	1800	16,800	17.15

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	755	2920	641	1660	2720	e12600	e1180	930	1040	1120	618	563
2	567	1300	615	2120	1920	e9810	1110	843	939	1400	621	619
3	465	970	578	2450	1440	e6680	1070	810	935	1430	522	605
4	498	1160	643	2310	1430	e4230	1040	850	1200	1060	541	528
5	890	2010	1520	1930	1720	e2900	1000	1020	1180	844	1260	657
6	1200	3300	2540	1650	1800	2710	1130	3420	935	877	3270	617
7	825	7440	3380	1460	2030	2900	2300	7960	904	873	4390	504
8	1070	9880	3370	1300	2520	3130	3340	20300	955	773	4460	449
9	1170	5970	1930	1230	2560	2820	5570	10500	962	693	4480	422
10	845	3230	1710	1190	2050	2190	5500	7470	823	624	1980	398
11	724	1880	2320	1150	1920	1840	3130	4780	759	606	1100	378
12	962	1720	3060	1060	1780	e1620	2060	3160	957	654	917	359
13	1050	1530	3680	978	1520	e1540	1650	2570	1360	675	1010	346
14	1130	1190	3410	937	1370	e1630	1420	1950	1270	1070	1320	332
15	887	1070	3130	914	1450	e1630	1260	2300	1040	823	1210	321
16	725	1400	3000	898	2490	e1810	1140	3020	887	647	992	310
17	698	1970	2270	921	3670	e2320	1060	3650	814	678	831	297
18	644	1740	1720	984	7370	e2970	1000	6430	1510	783	809	284
19	527	1290	1500	909	6690	e3480	970	13900	2030	686	770	277
20	461	1120	1640	861	3910	e3690	909	12100	2480	792	793	270
21	465	1050	2100	852	3100	3800	873	8490	1950	699	706	e299
22	556	962	2150	886	5790	4350	851	6780	1180	e626	699	e1030
23	632	884	1720	907	14200	3170	826	5990	886	e652	830	e1810
24	531	809	2040	824	e19200	2220	803	4850	761	e789	698	e2730
25	468	757	2830	744	e8920	1830	1530	3680	688	e763	610	e3200
26	444	728	4110	735	e6240	1620	2390	2810	630	e670	549	e1530
27	443	717	6010	751	e6440	1560	2730	2340	1230	e560	507	e985
28	512	735	3890	749	e7250	e1540	1790	2020	1850	e457	508	e694
29	1310	704	2250	827	---	e1440	1250	1600	1410	e376	854	625
30	2410	664	1730	1670	---	e1380	1050	1330	1000	e397	785	508
31	3350	---	1560	2520	---	e1290	---	1160	---	490	631	---
TOTAL	27214	61100	73047	38377	123500	96700	51932	149013	34565	23587	39271	21947
MEAN	878	2037	2356	1238	4411	3119	1731	4807	1152	761	1267	732
MAX	3350	9880	6010	2520	19200	12600	5570	20300	2480	1430	4480	3200
MIN	443	664	578	735	1370	1290	803	810	630	376	507	270
MED	724	1240	2150	978	2540	2320	1160	3160	981	693	809	506
CFSM	1.10	2.55	2.95	1.55	5.53	3.91	2.17	6.02	1.44	0.95	1.59	0.92
IN.	1.27	2.85	3.41	1.79	5.76	4.51	2.42	6.95	1.61	1.10	1.83	1.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2003, BY WATER YEAR (WY)

MEAN	518	966	1940	2417	2363	2758	2311	1853	870	564	409	382
MAX	2349	2938	5698	4954	5459	6815	6130	8329	5020	1880	1267	1051
(WY)	1976	1978	1968	1974	1991	1980	1991	1991	1997	1994	2003	1979
MIN	77.0	275	380	519	615	703	461	315	136	163	98.2	81.6
(WY)	2001	1988	2000	1986	2000	1988	1986	1992	1988	2000	2000	2000

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1966 - 2003	
ANNUAL TOTAL	575707		740253			
ANNUAL MEAN	1577		2028		1443	
HIGHEST ANNUAL MEAN					2747	1991
LOWEST ANNUAL MEAN					503	1988
HIGHEST DAILY MEAN	22500	May 5	20300	May 8	63900	Mar 17 1973
LOWEST DAILY MEAN	129	Sep 15	270	Sep 20	56	Sep 5 2000
ANNUAL SEVEN-DAY MINIMUM	140	Sep 11	294	Sep 15	59	Sep 2 2000
MAXIMUM PEAK FLOW			25300	May 8	80000	Mar 17 1973
MAXIMUM PEAK STAGE			18.30	May 8	23.48	Mar 17 1973
INSTANTANEOUS LOW FLOW			266	Sep 21	54	Sep 6 2000
ANNUAL RUNOFF (CFSM)	1.98		2.54		1.81	
ANNUAL RUNOFF (INCHES)	26.84		34.51		24.56	
10 PERCENT EXCEEDS	3320		3990		3120	
50 PERCENT EXCEEDS	832		1180		760	
90 PERCENT EXCEEDS	249		553		222	

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 mi^2.

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 NGVD of 1929 (U.S. Army Corps of Engineers).

REMARKS.--Estimated daily discharges: September 7-18. 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 ft^3/s, Apr. 4, 2000, gage height, 20.93 ft.

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 8	0200	8,870	17.19	Apr. 9	0115	12,400	18.33
Feb. 24	0215	9,620	17.46	May 8	0245	*17,300	*19.56

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3570	386	109	1540	1800	6530	263	221	144	306	226	91
2	733	241	106	2430	635	3660	248	484	129	484	170	107
3	289	220	103	2940	419	1230	245	463	411	234	963	64
4	1220	1350	450	1470	698	651	244	382	562	151	1100	59
5	1880	3170	2220	616	1270	533	243	502	244	113	1590	58
6	1860	5340	2990	437	1420	1570	691	3280	167	120	2770	49
7	818	7510	3850	346	2790	2780	3600	9880	478	359	4700	e47
8	682	8100	2280	295	3800	1920	8250	15200	541	212	4180	e44
9	410	4810	642	275	3970	801	10800	11400	244	159	2700	e42
10	272	1440	870	260	1790	508	6510	8300	158	151	593	e40
11	337	674	1480	231	1360	400	2580	4800	215	132	252	e39
12	919	519	1040	200	845	343	714	2160	1890	155	188	e37
13	679	350	790	183	536	573	459	1720	3390	235	398	e34
14	367	267	1200	179	435	1400	362	1850	6120	891	565	e31
15	467	403	1080	171	708	1220	306	3410	4130	718	318	e27
16	484	887	582	162	2660	645	262	4530	1150	250	200	e23
17	275	590	407	180	4220	1270	230	4880	512	128	147	e19
18	180	341	331	178	5110	2360	210	3800	2470	98	116	e16
19	138	261	321	163	2340	3070	194	3740	3590	77	89	15
20	121	228	867	157	733	2690	176	5040	5500	69	73	14
21	258	203	1090	161	2060	2560	176	3230	3410	64	65	14
22	334	178	564	171	5790	1120	209	1220	699	52	59	388
23	185	156	401	226	8560	543	175	630	339	45	53	1510
24	131	141	2070	159	8880	420	176	430	255	43	49	1800
25	106	129	3150	142	5670	349	1190	326	202	40	46	577
26	95	121	5360	143	2450	332	1970	287	166	38	44	242
27	91	119	5680	142	3650	444	2070	275	153	37	48	159
28	474	126	2370	138	5490	382	674	234	244	36	63	145
29	1770	119	674	363	---	348	364	197	166	48	109	93
30	2280	112	454	1510	---	424	271	171	139	109	59	69
31	1220	---	432	2370	---	333	---	153	---	206	50	---
TOTAL	22645	38491	43963	17938	80089	41409	43862	93195	37818	5760	21983	5853
MEAN	730	1283	1418	579	2860	1336	1462	3006	1261	186	709	195
MAX	3570	8100	5680	2940	8880	6530	10800	15200	6120	891	4700	1800
MIN	91	112	103	138	419	332	175	153	129	36	44	14
MED	410	304	867	200	2200	651	288	1720	375	128	170	48
CFSM	1.45	2.54	2.81	1.15	5.66	2.65	2.90	5.95	2.50	0.37	1.40	0.39
IN.	1.67	2.84	3.24	1.32	5.90	3.05	3.23	6.87	2.79	0.42	1.62	0.43

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2003, BY WATER YEAR (WY)

MEAN	110	332	983	1488	1863	1816	1348	758	339	266	106	139
MAX	1177	4459	5071	4927	5088	4970	4060	3106	2978	1794	709	2096
(WY)	1958	1958	1962	1949	1948	1973	1964	1997	1997	1963	2003	1950
MIN	0.000	0.000	7.87	19.0	167	233	123	42.9	11.3	10.6	0.000	0.000
(WY)	1953	1954	1944	1956	2000	1954	1967	1965	1965	1969	1954	1954

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1944 - 2003	
ANNUAL TOTAL	367545.99		453006			
ANNUAL MEAN	1007		1241		790	
HIGHEST ANNUAL MEAN					1371	1962
LOWEST ANNUAL MEAN					249	1954
HIGHEST DAILY MEAN	16800	Jan 26	15200	May 8	48400	Mar 17 1973
LOWEST DAILY MEAN	0.34	Sep 12	14	Sep 20	0.00	Oct 6 1943
ANNUAL SEVEN-DAY MINIMUM	0.42	Sep 9	18	Sep 15	0.00	Oct 6 1943
MAXIMUM PEAK FLOW			17300	May 8	57100	Mar 17 1973
MAXIMUM PEAK STAGE			19.56	May 8	24.58	Mar 17 1973
INSTANTANEOUS LOW FLOW			13	Sep 20,21	0.00	Oct 6 1943
ANNUAL RUNOFF (CFSM)	1.99		2.46		1.57	
ANNUAL RUNOFF (INCHES)	27.07		33.37		21.27	
10 PERCENT EXCEEDS	2860		3650		2290	
50 PERCENT EXCEEDS	280		382		105	
90 PERCENT EXCEEDS	14		64		2.2	

e Estimated

02441390 TOMBIGBEE RIVER AT STENNIS LOCK AND DAM, 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 mi^2, 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 NGVD of 1929 (levels by U. S. Army Corps of Engineers). Prior to April 1, 1982, water-stage recorder at site 4.1 mi downstream at datum 28.91 ft higher (see 02441500 Tombigbee River at Columbus). Water-stage recorder for Tombigbee River at Columbus (station 02441500) is used as base gage for this station when tail water gage-heights exceed 63 ft.

REMARKS.--Estimated daily discharges: February 22 and March 7-12. Records good except those below 1,000 ft^3/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 ft^3/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 ft^3/s estimated by U. S. Army Corps of Engineers.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18400	5530	2610	14600	9190	30500	3160	4060	4050	6200	2780	1990
2	10200	5200	1840	13900	7470	30800	3490	4740	2630	5340	2940	468
3	4800	3950	2730	13300	5120	21200	2620	4740	5340	3780	5100	3140
4	15000	8550	6050	11800	8930	12700	4680	3930	4810	3800	7100	2120
5	18400	27700	31400	7990	7900	10700	4320	5880	3610	2230	19000	886
6	9260	50400	17200	6200	12500	18900	6330	45500	3600	3490	15600	1500
7	8790	25700	15300	4670	27100	e17000	51100	59500	6010	3220	38300	1600
8	7290	27300	15400	5150	16900	e16000	46400	67800	4250	2180	21000	1210
9	5810	28800	11400	3970	16200	e14000	31000	62500	4130	2070	15100	1510
10	3750	20300	13500	4010	15800	e10000	32500	42800	2630	3540	11100	766
11	14600	17800	14300	4180	11100	e8000	22900	30100	3530	2990	5740	1340
12	9200	8700	10500	3830	7600	e9000	13000	23700	15900	2290	3550	544
13	7810	4850	11300	2860	7250	7990	7370	12800	10700	2720	5080	1110
14	6020	5310	13900	3560	5070	10300	5800	15800	14300	5090	5970	728
15	7780	6300	11400	2420	13600	9440	3780	27900	14100	4710	3970	1320
16	7100	9300	8850	3700	44900	7010	4360	21100	12000	2840	3210	923
17	3780	6590	7240	3000	25200	15200	4780	28900	5730	2240	2080	1250
18	2470	4700	5980	3370	23900	20900	4420	44300	18000	1930	2820	473
19	2800	5410	6770	2720	25700	23000	2530	36600	17000	3460	3140	1010
20	2650	4530	9750	3040	19200	22500	3020	46800	18200	4690	2290	1020
21	2880	4140	8580	3040	31200	16700	4150	41500	14500	2800	3020	1950
22	3070	3520	7000	4240	e65900	14900	3140	26000	9240	2100	1450	17600
23	3660	3210	5810	3620	60800	11000	3990	16400	5390	1850	1620	21900
24	1620	2760	31800	2350	54200	8560	4450	12900	3090	1710	1800	10500
25	2890	2980	35100	2550	56200	6530	23100	10000	2550	3160	2170	10800
26	1990	3030	20100	2190	37800	4730	16700	8690	2300	2430	1120	9130
27	1930	2590	23100	3530	53100	5040	11900	6200	6710	1270	2710	5890
28	8420	2440	21100	2730	38900	3460	11100	5680	5280	1290	5180	3160
29	12200	2670	13500	5920	---	6380	6610	4890	4380	1980	1270	2340
30	10200	2910	8700	15000	---	4180	4880	3600	3460	5470	3150	1330
31	8680	---	8490	9970	---	3830	---	2810	---	4770	1580	---
TOTAL	223450	307170	400700	173410	708730	400450	347580	728120	227420	97640	200940	109508
MEAN	7208	10240	12930	5594	25310	12920	11590	23490	7581	3150	6482	3650
MAX	18400	50400	35100	15000	65900	30800	51100	67800	18200	6200	38300	21900
MIN	1620	2440	1840	2190	5070	3460	2530	2810	2300	1270	1120	468
CFSM	1.62	2.31	2.91	1.26	5.70	2.91	2.61	5.29	1.71	0.71	1.46	0.82
IN.	1.87	2.57	3.36	1.45	5.94	3.36	2.91	6.10	1.91	0.82	1.68	0.92

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2003, BY WATER YEAR (WY)

MEAN	2387	4261	12190	12300	14660	13180	12110	10770	5563	2968	1947	1697
MAX	7208	12940	36640	26290	33900	22820	37260	56740	24690	12310	6482	5805
(WY)	2003	1987	1983	1989	1991	1995	1983	1991	1997	1994	2003	2002
MIN	585	483	1360	1799	2970	4308	1613	1284	626	901	574	305
(WY)	1988	1982	2000	1986	2000	1985	1986	1992	1988	2000	1999	1984

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1982 - 2003	
ANNUAL TOTAL	3422425		3925118			
ANNUAL MEAN	9377		10750		7806	
HIGHEST ANNUAL MEAN					15970	1991
LOWEST ANNUAL MEAN					2742	1988
HIGHEST DAILY MEAN	78400	Jan 25	67800	May 8	166000	May 29 1991
LOWEST DAILY MEAN	272	Aug 22	468	Sep 2	120	Sep 25 1984
ANNUAL SEVEN-DAY MINIMUM	528	Aug 30	907	Sep 12	170	Oct 20 1981
MAXIMUM PEAK FLOW			80000	Feb 22	194000	Mar 19 1973
MAXIMUM PEAK STAGE			56.30	Feb 23	42.22	Mar 19 1973
ANNUAL RUNOFF (CFSM)	2.11		2.42		1.76	
ANNUAL RUNOFF (INCHES)	28.67		32.89		23.89	
10 PERCENT EXCEEDS	22900		26400		19000	
50 PERCENT EXCEEDS	4800		5800		3160	
90 PERCENT EXCEEDS	852		2040		716	

e Estimated

02441500 TOMBIGBEE RIVER AT COLUMBUS, MS

LOCATION.--Lat 33°29'26", long 88°25'57", 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 mi^2, 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 NGVD of 1929. Prior to Nov. 7, 1934, nonrecording gage at various sites within 0.2 mi of present site, at datum 4.00 ft higher prior to Mar. 13, 1934, and at present datum thereafter. Mar. 3, 1941 to Sept. 30, 1968, auxiliary nonrecording at gage site 3.7 mi upstream at different datum. Oct. 1, 1968, to Sept. 30, 1971, auxiliary nonrecording gage 2.1 mi upstream from base gage at datum 128.82 ft above 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 ft^3/s, March 19, 1973, gage height, 42.22 ft, site and datum then in use, minimum daily discharge, 120 ft^3/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 ft^3/s estimated by U. S. Army Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--See 02441390 for discharge records. Maximum gage height, 25.95 ft, Feb. 23, minimum daily, 7.82 ft, Sept. 5.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.35	8.42	8.07	10.14	9.16	15.71	8.21	8.26	8.38	9.10	8.23	8.11
2	9.15	8.33	8.03	10.24	8.89	15.10	8.40	8.29	8.35	9.11	8.19	8.05
3	8.28	8.22	8.08	10.0	8.45	13.92	8.14	8.21	8.59	8.86	8.46	8.25
4	10.17	8.83	8.43	9.75	8.86	10.21	8.30	8.21	8.46	8.76	8.76	8.06
5	11.42	12.29	13.48	8.94	8.88	9.53	8.19	8.46	8.38	8.55	11.86	7.82
6	8.97	18.30	11.21	8.50	9.71	11.86	8.51	15.23	8.34	8.69	10.68	8.04
7	8.92	14.34	10.56	8.31	13.45	11.44	17.32	19.36	8.58	8.56	16.01	7.97
8	8.73	13.83	10.39	8.42	11.25	10.77	18.70	21.74	8.51	8.28	13.15	8.03
9	8.49	14.04	9.63	8.12	10.94	9.97	15.10	22.03	8.43	8.21	11.01	8.05
10	8.22	11.93	10.05	8.13	10.66	8.78	14.83	18.66	8.23	8.32	9.67	7.94
11	10.02	12.02	10.70	8.19	9.77	9.01	12.82	14.88	8.41	8.35	8.58	8.01
12	9.00	9.88	9.62	8.10	8.87	8.57	9.98	13.05	11.16	8.20	8.32	7.89
13	8.67	8.94	9.76	8.05	8.75	8.99	8.63	9.98	10.14	8.24	8.48	7.98
14	8.41	8.75	10.37	8.11	8.37	9.55	8.46	10.41	10.71	8.54	8.56	7.94
15	8.75	8.80	9.75	8.03	9.76	9.22	8.17	13.68	10.65	8.45	8.32	8.01
16	8.71	9.28	9.08	8.18	17.00	8.80	8.24	12.31	10.26	8.27	8.24	7.92
17	8.12	8.78	8.80	7.98	14.30	10.37	8.24	13.57	8.92	8.20	8.17	7.92
18	7.98	8.53	8.47	8.16	13.20	12.37	8.20	17.63	12.06	8.12	8.20	7.94
19	8.09	8.46	8.76	8.10	13.42	12.55	8.04	16.69	11.45	8.38	8.27	7.98
20	8.01	8.27	9.20	8.23	11.78	13.09	8.19	18.58	11.85	8.44	8.22	7.97
21	7.98	8.31	8.98	8.17	13.82	11.46	8.09	18.07	10.69	8.27	8.31	7.99
22	7.85	8.09	8.67	8.05	22.94	10.61	8.10	14.77	9.39	8.25	8.04	10.21
23	7.92	8.22	8.56	7.89	25.25	9.82	8.16	12.12	8.53	8.12	8.12	11.93
24	7.99	7.94	13.52	8.05	22.80	9.24	8.21	10.71	8.26	8.18	8.16	9.26
25	8.14	8.06	15.95	8.14	21.44	8.86	11.86	9.73	8.37	8.24	8.11	9.28
26	7.89	8.13	12.61	8.10	16.90	8.56	11.22	9.20	8.52	8.05	8.02	8.97
27	8.04	7.86	12.74	8.16	19.13	8.62	9.83	8.73	8.97	8.03	8.11	8.41
28	8.78	8.05	12.17	8.17	17.71	8.39	9.74	8.58	8.85	8.04	8.43	8.02
29	9.73	8.13	10.34	8.56	---	8.57	8.66	8.44	8.76	8.08	8.05	8.11
30	8.94	8.06	9.07	10.53	---	8.30	8.25	8.32	8.73	8.50	8.22	8.23
31	8.95	---	9.00	9.39	---	8.34	---	8.18	---	8.47	8.09	---
MEAN	8.76	9.70	10.13	8.54	13.41	10.34	9.89	12.78	9.30	8.38	9.00	8.34
MAX	11.42	18.30	15.95	10.53	25.25	15.71	18.70	22.03	12.06	9.11	16.01	11.93
MIN	7.85	7.86	8.03	7.89	8.37	8.30	8.04	8.18	8.23	8.03	8.02	7.82
MED	8.67	8.49	9.63	8.17	11.51	9.55	8.35	12.12	8.66	8.28	8.27	8.02

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 mi^2.

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 NGVD of 1929. Prior to Nov. 3, 1974, nonrecording gage at same site. September 1928 to September 1930 at undetermined datum, but believed to be same as present datum.

REMARKS.--No estimated daily discharges. Records good. 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Feb. 23	2245	*16,800	*19.82	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1380	1200	645	1520	1830	6010	1110	920	705	1990	678	397
2	807	961	602	1750	1470	4500	1030	746	648	2410	702	340
3	492	787	567	1910	1320	3280	964	730	908	2690	733	310
4	488	834	577	1740	1200	2650	910	692	919	1980	892	305
5	637	1640	1160	1600	1160	2290	887	764	884	1460	2220	283
6	1150	2960	1710	1400	1410	3160	913	1520	800	1140	2690	281
7	1310	4320	2150	1220	2190	4170	2990	2650	705	981	4230	278
8	1060	4180	1760	1070	2500	4540	4050	6400	628	981	4210	257
9	1440	3080	1540	962	2290	3580	4420	7270	578	932	3140	236
10	1210	2100	1730	898	1930	2780	3300	6040	531	893	1950	220
11	1050	2900	2220	842	1790	2260	2270	3310	580	1100	1210	210
12	973	3490	2670	794	1600	1930	1670	2250	2070	968	817	201
13	1020	4030	2640	744	1350	1840	1350	1860	2230	890	987	189
14	951	3120	2520	700	1210	2130	1130	1690	2300	806	1000	188
15	922	2290	2640	671	1240	2240	980	2060	2250	846	923	182
16	886	2080	2240	660	3020	2140	869	2710	2420	947	834	179
17	744	2250	1840	689	3850	2320	785	2590	2270	816	667	175
18	681	2190	1570	709	4290	2740	723	3920	2810	651	568	167
19	605	1800	1350	723	3330	3270	678	5470	2880	635	543	163
20	522	1580	1410	695	2480	3360	642	7030	3010	702	495	160
21	492	1350	1580	669	2750	3340	610	5250	2070	568	450	186
22	479	1130	1660	729	8110	2930	574	4500	1480	524	414	713
23	482	998	1420	807	15700	2470	546	4560	1050	546	380	1070
24	471	893	2310	801	15100	2010	566	3620	791	718	343	1470
25	439	807	3250	736	8330	1710	1520	2570	647	694	316	1220
26	411	746	4110	671	3910	1540	2270	1920	551	539	297	926
27	389	746	3210	642	4150	1440	2930	1540	542	437	280	634
28	433	726	2540	626	4980	1390	2570	1320	705	374	294	455
29	669	720	1920	719	---	1340	1800	1100	1420	370	341	368
30	1110	702	1540	1280	---	1260	1250	924	1610	500	403	318
31	1540	---	1390	1970	---	1180	---	801	---	454	406	---
TOTAL	25243	56610	58471	30947	104490	81800	46307	88727	40992	29542	33413	12081
MEAN	814	1887	1886	998	3732	2639	1544	2862	1366	953	1078	403
MAX	1540	4320	4110	1970	15700	6010	4420	7270	3010	2690	4230	1470
MIN	389	702	567	626	1160	1180	546	692	531	370	280	160
MED	744	1610	1730	794	2380	2320	1070	2250	914	816	678	280
AC-FT	50070	112300	116000	61380	207300	162300	91850	176000	81310	58600	66270	23960
CFSM	1.14	2.64	2.64	1.40	5.22	3.69	2.16	4.00	1.91	1.33	1.51	0.56
IN.	1.31	2.95	3.04	1.61	5.44	4.26	2.41	4.62	2.13	1.54	1.74	0.63

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2003, BY WATER YEAR (WY)

MEAN	397	798	1378	1971	1988	2374	2059	1337	623	475	290	288
MAX	1675	3011	5840	3857	4650	6465	5671	7073	2886	1855	1201	1901
(WY)	1976	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1929 - 2003	
ANNUAL TOTAL	404597		608623			
ANNUAL MEAN	1108		1667		1164	
HIGHEST ANNUAL MEAN					2277	1991
LOWEST ANNUAL MEAN					320	1988
HIGHEST DAILY MEAN	11500	Jan 27	15700	Feb 23	38000	Apr 14 1979
LOWEST DAILY MEAN	73	Sep 16	160	Sep 20	25	Aug 18 1988
ANNUAL SEVEN-DAY MINIMUM	79	Sep 11	173	Sep 15	29	Aug 14 1988
MAXIMUM PEAK FLOW			16800	Feb 23	40400	Apr 14 1979
MAXIMUM PEAK STAGE			19.82	Feb 23	32.35	Apr 14 1979
INSTANTANEOUS LOW FLOW			157	Sep 20,21	28	Sep 2 1988
ANNUAL RUNOFF (AC-FT)	802500		1207000		843000	
ANNUAL RUNOFF (CFSM)	1.55		2.33		1.63	
ANNUAL RUNOFF (INCHES)	21.05		31.67		22.11	
10 PERCENT EXCEEDS	2550		3320		2560	
50 PERCENT EXCEEDS	716		1140		574	
90 PERCENT EXCEEDS	145		413		123	

02448000 NOXUBEE RIVER AT MACON, MS

LOCATION.--Lat 33°06'08", long 88°33'40", in NW1/4 NE1/4 sec.4, T.14 N., R.17 E., Choctaw Meridian, Noxubee County, Hydrologic Unit 03160108, on left bank at downstream side of bridge on old U.S. Highway 45 at Macon, 0.2 mi upstream from Cedar Creek, 1.0 mi downstream from Illinois Central and Gulf Railroad bridge, 1.5 mi downstream from Horse Hunters Creek, and 6.2 mi upstream from Running Water Creek.

DRAINAGE AREA.--768 mi^2.

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

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

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

REMARKS.--Estimated daily discharges: March 30. 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.--Flood in July 1892 reached a stage of about 34 ft, present site and datum, from information by local residents. Flood in December 1926 reached a stage of about 30 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 30	0100	5,190	22.49	Feb. 23	0500	*25,200	*31.08
Dec. 24	2200	5,780	23.60	Apr. 8	1700	9,480	27.45
Feb. 18	0600	5,670	23.40	Apr. 26	1600	6,830	25.30

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1880	1300	283	3200	1620	8030	510	671	225	2260	149	314
2	1740	954	263	3200	1500	6860	457	525	206	3780	195	260
3	1150	778	253	2310	1220	6270	417	463	206	2080	193	235
4	1830	1070	266	2140	963	5680	398	582	294	1490	178	243
5	3930	2680	1310	2400	821	4770	383	490	307	1510	225	250
6	3990	4540	1390	2490	1950	5490	478	541	250	1330	404	257
7	2170	4520	1040	1980	4490	5340	5460	497	396	1010	894	242
8	1100	3550	1040	1180	4460	4720	8510	424	453	708	974	233
9	801	2430	920	849	3570	3290	8080	376	289	596	779	199
10	641	2400	1860	713	3180	2320	6550	328	257	528	793	168
11	687	3540	3140	630	3340	1860	6540	388	240	451	555	149
12	607	3720	2140	550	3220	1390	6060	465	310	471	375	137
13	452	3430	2620	488	2660	1110	4820	427	1680	518	368	128
14	380	3170	3270	444	1760	1100	2590	751	1410	1050	710	121
15	947	3650	2370	413	1340	1000	1040	909	2040	1670	490	119
16	2220	4500	1650	394	4250	1050	690	653	2070	1350	347	115
17	1260	4340	1370	383	5090	1700	544	950	1590	635	318	111
18	757	3510	1070	371	5560	2700	465	3190	4470	725	343	109
19	604	1950	864	349	4770	3210	408	1640	3960	569	544	109
20	510	1240	1140	344	4150	2960	362	1340	2760	408	1790	104
21	880	920	1310	339	5330	2370	330	2140	1990	335	611	106
22	884	717	1040	382	14600	2300	303	1870	1330	288	377	181
23	643	593	934	466	23100	2270	283	1360	904	255	306	381
24	598	511	4370	461	16100	1860	280	945	619	238	261	287
25	513	472	5750	489	13300	1240	5420	686	444	213	222	417
26	440	433	5540	462	10200	946	6510	544	341	199	189	340
27	403	394	3930	403	9640	826	5410	488	300	184	167	257
28	2510	327	2530	373	9380	721	2370	382	510	160	143	208
29	4900	289	2340	797	---	655	1380	318	388	147	183	172
30	4960	287	1810	2600	---	e578	956	279	511	138	298	156
31	2880	---	1660	2200	---	549	---	248	---	137	317	---
TOTAL	47267	62215	59473	33800	161564	85165	78004	24870	30750	25433	13698	6108
MEAN	1525	2074	1918	1090	5770	2747	2600	802	1025	820	442	204
MAX	4960	4540	5750	3200	23100	8030	8510	3190	4470	3780	1790	417
MIN	380	287	253	339	821	549	280	248	206	137	143	104
CFSM	1.99	2.70	2.50	1.42	7.51	3.58	3.39	1.04	1.33	1.07	0.58	0.27
IN.	2.29	3.01	2.88	1.64	7.83	4.13	3.78	1.20	1.49	1.23	0.66	0.30

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2003, BY WATER YEAR (WY)

MEAN	193	436	1132	1942	2345	2415	2055	1004	363	420	200	216
MAX	1970	2518	6913	8286	6013	6396	11290	6567	2046	5315	1335	2520
(WY)	1976	1958	1962	1974	1983	1980	1979	1991	1997	1940	1946	1979
MIN	32.1	46.4	78.3	69.5	136	286	118	93.9	57.3	53.6	34.4	28.4
(WY)	1944	1964	1944	1956	2000	2000	1963	1988	1988	1956	1954	1954

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1928 - 2003	
ANNUAL TOTAL	405773		628347			
ANNUAL MEAN	1112		1721		1054	
HIGHEST ANNUAL MEAN					2666	1983
LOWEST ANNUAL MEAN					248	1963
HIGHEST DAILY MEAN	5810	Sep 27	23100	Feb 23	110000	Apr 13 1979
LOWEST DAILY MEAN	41	Sep 15	104	Sep 20	23	Aug 26 1943
ANNUAL SEVEN-DAY MINIMUM	42	Sep 12	110	Sep 15	25	Aug 24 1943
MAXIMUM PEAK FLOW			25200	Feb 23	125000	Apr 13 1979
MAXIMUM PEAK STAGE			31.08	Feb 23	38.97	Apr 13 1979
INSTANTANEOUS LOW FLOW			91	Sep 21	22	Aug 25 1943
ANNUAL RUNOFF (CFSM)	1.45		2.24		1.37	
ANNUAL RUNOFF (INCHES)	19.65		30.44		18.64	
10 PERCENT EXCEEDS	3470		4490		3190	
50 PERCENT EXCEEDS	394		778		235	
90 PERCENT EXCEEDS	73		225		59	

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: May 28 to June 5. 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. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3470	4430	376	5520	2690	15400	633	1090	e319	3600	266	369
2	2330	1850	368	5480	2010	12800	592	776	e300	7100	265	387
3	2030	1260	346	4450	1770	10900	545	782	e326	6330	265	317
4	1390	1360	354	3150	1400	9080	505	776	e307	3790	318	336
5	2870	2470	1980	2760	1100	7770	488	689	e341	2980	339	293
6	4430	5690	2580	2930	1910	8910	1210	588	457	3500	290	279
7	4400	6150	1860	2900	6270	9130	8340	599	501	2150	505	289
8	2590	5640	1340	2240	6590	8080	10600	578	469	1330	1000	270
9	1340	4520	1250	1410	5750	6720	10100	738	552	935	1000	260
10	967	3190	2900	1040	5300	4610	9140	1090	379	798	815	236
11	859	4900	6110	877	4810	2960	8310	550	322	781	799	204
12	1010	5740	5130	765	4290	2280	7530	612	412	662	597	176
13	829	4910	4940	674	3870	1790	6740	580	809	643	493	162
14	618	4210	5830	609	3080	1800	5770	527	2010	772	585	150
15	1230	3890	4780	561	2270	1570	3230	1970	2580	1220	744	142
16	4300	5230	3190	523	5510	1370	1230	1220	3720	1950	558	138
17	3610	5520	2180	504	6550	2530	801	1100	3260	1380	445	138
18	1740	5130	1740	490	6300	5040	649	5410	5690	735	985	137
19	1020	4130	1590	469	6020	5130	562	5510	7660	773	593	136
20	882	2370	2070	449	5640	5460	497	3020	7340	640	845	135
21	1750	1530	1930	441	6810	4140	451	2570	5180	496	1730	135
22	1800	1110	1710	440	11700	3030	399	3680	2660	423	696	157
23	1300	867	1320	469	13500	2780	346	2760	1630	372	429	369
24	926	726	6770	543	14500	2630	428	1670	1080	327	368	464
25	815	641	10100	531	19900	2110	7050	1060	771	302	328	356
26	735	597	9560	555	21000	1440	9560	805	585	282	319	435
27	748	550	8250	537	20500	1120	8930	660	1200	276	313	398
28	4680	502	6450	481	18500	971	7690	581	2480	274	310	301
29	8290	438	3800	485	---	835	4510	e450	1110	271	308	250
30	8120	389	2860	2520	---	751	1780	e382	672	268	306	203
31	6940	---	2880	3580	---	689	---	e337	---	266	323	---
TOTAL	78019	89940	106544	48383	209540	143826	118616	43160	55122	45626	17137	7622
MEAN	2517	2998	3437	1561	7484	4640	3954	1392	1837	1472	553	254
MAX	8290	6150	10100	5520	21000	15400	10600	5510	7660	7100	1730	464
MIN	618	389	346	440	1100	689	346	337	300	266	265	135
CFSM	2.29	2.73	3.13	1.42	6.82	4.23	3.60	1.27	1.67	1.34	0.50	0.23
IN.	2.65	3.05	3.61	1.64	7.11	4.88	4.02	1.46	1.87	1.55	0.58	0.26

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2003, BY WATER YEAR (WY)

MEAN	319	639	1675	2941	3524	3434	3130	1374	604	633	312	321
MAX	2517	2998	9407	9782	9415	9230	17520	10340	2794	7432	2064	3067
(WY)	2003	2003	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1939 - 2003	
ANNUAL TOTAL	636857		963535			
ANNUAL MEAN	1745		2640		1564	
HIGHEST ANNUAL MEAN					3967	1983
LOWEST ANNUAL MEAN					327	1963
HIGHEST DAILY MEAN	10100	Dec 25	21000	Feb 26	136000	Apr 14 1979
LOWEST DAILY MEAN	58	Sep 15	135	Sep 20	22	Sep 24 1954
ANNUAL SEVEN-DAY MINIMUM	60	Sep 13	137	Sep 15	23	Sep 23 1954
MAXIMUM PEAK FLOW					156000	Apr 14 1979
MAXIMUM PEAK STAGE					48.58	Apr 14 1979
ANNUAL RUNOFF (CFSM)	1.59		2.41		1.43	
ANNUAL RUNOFF (INCHES)	21.60		32.67		19.37	
10 PERCENT EXCEEDS	5520		6750		4920	
50 PERCENT EXCEEDS	550		1120		353	
90 PERCENT EXCEEDS	93		309		76	

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 mi^2.

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

GAGE.--Water stage recorder. Datum of gage is 175.00 ft above NGVD of 1929 (Mississippi Department of Transportation datum).

REMARKS.--No estimated daily discharges. Records good. 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 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 29	1600	1,700	17.59	Mar. 7	0430	1,500	17.20
Dec. 25	0715	3,150	18.76	Apr. 8	0245	2,990	18.69
Feb. 22	2245	3,470	18.89	Apr. 26	0500	*5,090	*19.43

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	163	251	89	1080	180	527	136	230	104	906	97	106
2	135	194	85	922	156	393	132	204	95	1350	85	74
3	117	165	85	470	143	313	128	213	104	735	77	68
4	158	185	91	333	139	276	125	371	124	385	88	88
5	242	319	399	280	127	310	128	244	102	286	79	83
6	159	661	319	245	179	1130	188	198	126	475	90	72
7	141	370	180	214	601	1340	2100	174	163	441	97	63
8	139	227	147	199	377	578	2370	180	148	256	117	63
9	120	186	132	191	245	376	1430	163	112	188	91	61
10	114	162	399	182	289	299	495	147	97	163	80	58
11	184	246	730	170	269	252	344	142	90	163	71	59
12	181	320	379	156	209	225	275	246	102	148	70	58
13	134	200	659	150	180	222	231	169	205	130	118	55
14	114	162	761	146	166	419	201	140	166	115	132	54
15	286	149	403	141	185	309	180	204	136	130	101	55
16	730	230	269	137	677	246	166	197	182	120	82	53
17	391	187	223	141	578	424	153	328	132	109	77	51
18	216	149	190	134	316	731	142	1110	436	98	79	50
19	165	134	187	129	243	624	132	703	644	98	273	52
20	147	127	383	129	208	595	126	383	363	92	128	50
21	396	126	266	129	869	361	124	494	197	89	89	55
22	318	119	198	127	2370	277	119	334	148	85	75	99
23	215	110	173	122	2760	241	109	250	122	84	70	146
24	178	104	1290	114	1580	216	300	199	108	82	67	94
25	159	101	2620	109	563	195	2760	167	99	73	64	72
26	157	98	1920	115	410	180	3710	164	92	70	61	68
27	188	97	570	110	837	177	1550	168	195	70	67	65
28	835	96	376	108	886	168	522	142	456	70	95	63
29	1630	92	298	115	---	159	349	129	212	65	81	58
30	1170	91	261	346	---	157	273	116	155	63	72	55
31	376	---	454	256	---	144	---	109	---	75	70	---
TOTAL	9658	5658	14536	7200	15742	11864	18998	8018	5415	7214	2843	2048
MEAN	312	189	469	232	562	383	633	259	180	233	91.7	68.3
MAX	1630	661	2620	1080	2760	1340	3710	1110	644	1350	273	146
MIN	114	91	85	108	127	144	109	109	90	63	61	50
CFSM	2.31	1.40	3.47	1.72	4.16	2.83	4.69	1.92	1.34	1.72	0.68	0.51
IN.	2.66	1.56	4.01	1.98	4.34	3.27	5.24	2.21	1.49	1.99	0.78	0.56

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2003, BY WATER YEAR (WY)

MEAN	115	104	230	359	354	298	303	107	115	90.5	57.3	88.2
MAX	312	189	469	823	595	467	633	259	325	233	91.7	197
(WY)	2003	2003	2003	1998	1997	2001	2003	2003	1997	2003	2003	2002
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1997 - 2003	
ANNUAL TOTAL	72685		109194			
ANNUAL MEAN	199		299		184	
HIGHEST ANNUAL MEAN					299	2003
LOWEST ANNUAL MEAN					79.3	2000
HIGHEST DAILY MEAN	2620	Dec 25	3710	Apr 26	5710	Jan 8 1998
LOWEST DAILY MEAN	22	Sep 10	50	Sep 18	17	Sep 5 2000
ANNUAL SEVEN-DAY MINIMUM	23	Sep 8	52	Sep 14	17	Sep 29 2000
MAXIMUM PEAK FLOW			5090	Apr 26	7170	Jan 8 1998
MAXIMUM PEAK STAGE			19.43	Apr 26	19.93	Jan 8 1998
INSTANTANEOUS LOW FLOW			48	Sep 21	15	Oct 5 2000
ANNUAL RUNOFF (CFSM)	1.48		2.22		1.36	
ANNUAL RUNOFF (INCHES)	20.03		30.09		18.53	
10 PERCENT EXCEEDS	403		610		375	
50 PERCENT EXCEEDS	114		163		90	
90 PERCENT EXCEEDS	30		72		34	

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 mi^2.

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 NGVD of 1929. Prior to Dec. 8, 1938, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: July 25-27 and Aug. 10-12. 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 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 31	0345	11,500	19.23	Feb. 24	0615	*30,600	*28.04
Dec. 26	2215	9,420	17.58	Apr. 9	2345	10,700	18.64

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1960	4790	416	3210	3200	3340	450	394	234	1890	435	309
2	911	2510	400	3620	2190	2370	431	354	224	3210	355	284
3	603	1460	387	3450	1180	1760	415	328	302	3810	379	263
4	1750	1740	440	2330	856	1480	408	308	395	4090	943	252
5	2680	3350	1700	1180	719	1320	402	303	370	4290	1620	238
6	2880	4990	2230	932	1020	1410	401	292	415	3220	1280	239
7	2170	4770	1980	791	2290	2110	2830	272	515	2280	1180	243
8	1440	4070	1260	705	2600	2470	5330	263	429	1330	2680	228
9	1330	2300	803	654	2230	1600	9400	255	341	802	3100	221
10	1050	1510	937	649	1760	1220	7860	244	282	608	e1160	245
11	1940	2780	1750	618	1600	1030	2380	235	255	593	e600	213
12	2700	4260	1950	566	1480	904	1440	230	285	656	e480	195
13	2130	3260	2020	523	1060	860	897	223	386	683	1260	190
14	1130	2270	2050	498	842	1540	722	220	720	1180	1350	206
15	767	1450	2150	481	766	3180	622	1590	846	1050	1280	217
16	1680	1150	1500	466	3230	3210	552	592	1440	702	671	199
17	1390	929	960	454	4610	2240	506	460	1620	488	477	188
18	956	787	770	440	4850	1750	463	635	1750	951	408	179
19	628	687	781	431	3130	2580	429	550	1720	991	372	172
20	488	639	1100	422	1920	3010	403	617	2010	1030	367	166
21	418	703	1620	419	5170	2390	384	1050	1500	596	368	167
22	378	681	1390	420	13500	1370	367	701	1050	447	389	236
23	351	619	943	410	23900	938	342	603	549	1890	359	263
24	328	551	2720	393	29300	791	439	414	386	2170	301	226
25	315	502	5510	382	17700	698	779	331	323	e2180	279	208
26	370	471	8380	377	5040	633	2130	318	285	e1300	260	197
27	712	448	7400	374	3750	593	2470	334	265	e620	248	192
28	2030	425	3420	370	3590	563	1400	348	379	398	240	182
29	4960	406	2090	390	---	532	613	302	792	356	308	170
30	9970	407	1180	2800	---	503	463	271	758	364	316	164
31	10200	---	1290	3610	---	477	---	250	---	380	301	---
TOTAL	60615	54915	61527	32365	143483	48872	45728	13287	20826	44555	23766	6452
MEAN	1955	1830	1985	1044	5124	1577	1524	429	694	1437	767	215
MAX	10200	4990	8380	3620	29300	3340	9400	1590	2010	4290	3100	309
MIN	315	406	387	370	719	477	342	220	224	356	240	164
CFSM	2.63	2.46	2.67	1.41	6.90	2.12	2.05	0.58	0.93	1.93	1.03	0.29
IN.	3.03	2.75	3.08	1.62	7.18	2.45	2.29	0.67	1.04	2.23	1.19	0.32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2003, BY WATER YEAR (WY)

MEAN	316	600	1150	1819	2339	2304	2096	1046	446	509	335	303
MAX	1955	3674	6085	5792	7841	5649	7455	4750	1609	4373	980	1487
(WY)	2003	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	1963	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1938 - 2003	
ANNUAL TOTAL	420415		556391			
ANNUAL MEAN	1152		1524		1099	
HIGHEST ANNUAL MEAN					2291	1980
LOWEST ANNUAL MEAN					285	2000
HIGHEST DAILY MEAN	10200	Oct 31	29300	Feb 24	51000	Apr 14 1974
LOWEST DAILY MEAN	92	Sep 13	164	Sep 30	39	Sep 6 2000
ANNUAL SEVEN-DAY MINIMUM	96	Sep 10	184	Sep 15	41	Sep 1 2000
MAXIMUM PEAK FLOW			30600	Feb 24	54200	Apr 14 1974
MAXIMUM PEAK STAGE			28.04	Feb 24	32.60	Apr 14 1974
INSTANTANEOUS LOW FLOW			158	Sep 30	38	Sep 6 2000
ANNUAL RUNOFF (CFSM)	1.55		2.05		1.48	
ANNUAL RUNOFF (INCHES)	21.05		27.86		20.09	
10 PERCENT EXCEEDS	3110		3210		2740	
50 PERCENT EXCEEDS	552		703		368	
90 PERCENT EXCEEDS	143		254		116	

e Estimated

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 mi^2.

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 NGVD of 1929 (levels by U. S. Army Corps of Engineers). Prior to Dec. 8, 1938, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: Apr. 1,2 16-25, Apr. 28 - May 8, and June 29. Records good except for estimated discharges, which are poor. Satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Feb. 24	0600	*8,630	*18.64	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	264	463	250	1050	311	740	e241	e182	153	2090	237	229
2	239	342	258	891	283	609	e237	e177	149	1600	234	234
3	225	296	250	558	275	526	232	e177	153	810	374	196
4	906	554	251	425	269	486	230	e186	165	383	570	202
5	606	1160	1060	364	258	470	232	e185	169	557	350	211
6	347	1970	918	332	381	599	231	e179	168	933	241	170
7	278	1400	504	307	1560	817	235	e165	320	863	261	163
8	319	722	369	290	1220	596	858	e155	287	473	264	161
9	261	451	322	287	560	477	1280	152	196	420	235	160
10	294	360	514	293	632	426	795	151	168	352	201	162
11	457	438	873	305	668	388	410	149	156	308	187	170
12	366	721	589	293	461	362	319	149	169	1090	180	159
13	279	658	720	282	369	497	277	151	245	505	251	161
14	237	506	744	282	325	1260	251	153	482	324	272	197
15	216	346	504	282	367	942	235	165	482	291	251	186
16	209	343	387	280	1340	553	e225	183	588	266	204	170
17	202	358	341	257	1440	579	e215	208	568	240	218	157
18	193	310	314	248	899	788	e209	243	290	557	203	152
19	187	290	321	247	545	1040	e204	340	233	356	220	150
20	178	292	548	246	411	872	e200	237	206	733	188	147
21	178	387	411	242	1470	540	e199	239	197	390	180	148
22	179	357	337	246	5430	411	e198	330	321	302	194	275
23	179	296	364	249	6670	362	e196	219	482	418	186	316
24	174	272	2180	249	7810	332	e192	189	245	638	175	226
25	174	260	1240	249	2550	311	e245	172	197	493	169	186
26	242	256	716	247	900	296	380	164	185	321	164	172
27	375	249	520	247	1260	289	272	173	170	248	166	165
28	752	243	407	247	1040	281	e224	181	177	219	161	160
29	1230	237	357	245	---	272	e208	177	e211	205	157	153
30	2070	237	331	249	---	253	e190	165	244	196	163	148
31	836	---	546	323	---	247	---	157	---	203	206	---
TOTAL	12652	14774	17446	10312	39704	16621	9420	5853	7776	16784	7062	5486
MEAN	408	492	563	333	1418	536	314	189	259	541	228	183
MAX	2070	1970	2180	1050	7810	1260	1280	340	588	2090	570	316
MIN	174	237	250	242	258	247	190	149	149	196	157	147
CFSM	1.34	1.62	1.85	1.09	4.66	1.76	1.03	0.62	0.85	1.78	0.75	0.60
IN.	1.55	1.81	2.13	1.26	4.86	2.03	1.15	0.72	0.95	2.05	0.86	0.67

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2003, BY WATER YEAR (WY)

MEAN	212	305	492	648	778	821	699	460	270	264	231	234
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1938 - 2003	
ANNUAL TOTAL	141030		163890			
ANNUAL MEAN	386		449		449	
HIGHEST ANNUAL MEAN					868	1949
LOWEST ANNUAL MEAN					172	2000
HIGHEST DAILY MEAN	3220	Apr 9	7810	Feb 24	33500	Apr 14 1974
LOWEST DAILY MEAN	110	Sep 14	147	Sep 20	83	Aug 29 1957
ANNUAL SEVEN-DAY MINIMUM	113	Sep 11	151	May 8	84	Aug 24 1957
MAXIMUM PEAK FLOW			8630	Feb 24	45500	Apr 14 1974
MAXIMUM PEAK STAGE			18.64	Feb 24	28.18	Apr 14 1974
INSTANTANEOUS LOW FLOW			144	Sep 21	83	Aug 29 1957
ANNUAL RUNOFF (CFSM)	1.27		1.48		1.48	
ANNUAL RUNOFF (INCHES)	17.26		20.05		20.09	
10 PERCENT EXCEEDS	774		860		863	
50 PERCENT EXCEEDS	241		272		229	
90 PERCENT EXCEEDS	144		166		132	

e Estimated

02472850 OKATOMA CREEK AT SANFORD, MS

LOCATION.--Lat 31°29'21", long 89°26'01", SE1/4 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 6.1 mi upstream from mouth.

DRAINAGE AREA.--257 mi^2.

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 NGVD of 1929 (Mississippi Department of Transportation bench mark).

REMARKS.--Estimated daily discharges: March 7-13. 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 3,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3)	Gage Height (ft)	Date	Time	Discharge (ft^3)	Gage Height (ft)
Feb. 24	0215	*9,780	*22.41	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	451	837	237	1250	810	687	224	167	134	2340	373	268
2	242	533	226	981	628	536	217	163	131	1310	244	244
3	221	269	213	735	356	446	220	166	151	753	490	194
4	803	549	302	491	321	409	217	173	197	390	1700	164
5	627	1490	1300	394	295	397	218	167	177	943	808	152
6	386	1970	905	351	644	540	222	168	181	1610	655	142
7	277	1430	639	317	1820	e700	320	155	649	1780	320	135
8	253	1170	407	301	1150	e475	1380	146	289	1210	279	134
9	235	843	322	294	701	e380	1550	143	199	486	210	135
10	320	417	620	327	875	e346	1210	137	163	413	183	157
11	512	477	899	353	779	e320	458	132	149	488	168	150
12	736	866	575	310	539	e297	329	130	187	569	158	135
13	604	1140	787	279	398	e716	275	130	246	312	279	148
14	271	819	736	267	341	976	248	133	480	387	413	175
15	222	385	550	261	357	815	230	219	733	559	316	187
16	212	448	428	255	1390	495	216	409	962	328	227	170
17	191	430	358	252	1430	628	208	270	779	232	202	142
18	168	311	328	242	1280	808	199	580	382	780	170	132
19	154	275	410	238	1050	1070	192	377	295	520	195	128
20	148	301	539	238	468	828	191	228	408	368	210	125
21	148	377	494	242	1970	651	191	321	474	242	255	127
22	148	308	373	245	4580	417	188	231	967	213	194	292
23	146	261	390	240	6390	337	182	246	314	1190	176	279
24	143	240	1620	227	8030	302	180	261	217	1420	155	206
25	144	232	1140	220	2760	280	493	177	185	876	148	164
26	204	231	964	224	1120	267	350	215	166	357	144	147
27	339	223	991	228	1140	265	280	197	156	249	139	140
28	686	220	758	226	898	260	215	178	273	204	140	136
29	1330	213	403	231	---	251	190	157	238	179	136	129
30	1100	222	355	453	---	239	175	147	249	170	154	123
31	869	---	619	777	---	234	---	139	---	215	268	---
TOTAL	12290	17487	18888	11449	42520	15372	10768	6462	10131	21093	9509	4960
MEAN	396	583	609	369	1519	496	359	208	338	680	307	165
MAX	1330	1970	1620	1250	8030	1070	1550	580	967	2340	1700	292
MIN	143	213	213	220	295	234	175	130	131	170	136	123
CFSM	1.54	2.27	2.37	1.44	5.91	1.93	1.40	0.81	1.31	2.65	1.19	0.64
IN.	1.78	2.53	2.73	1.66	6.15	2.23	1.56	0.94	1.47	3.05	1.38	0.72

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2003, BY WATER YEAR (WY)

MEAN	223	266	391	568	611	796	569	234	241	208	161	224
MAX	396	583	613	1520	1519	1664	1384	718	545	680	307	652
(WY)	2003	2003	2002	1998	2003	2001	1997	1997	1997	2003	2003	2001
MIN	68.8	122	165	300	150	316	151	98.8	87.7	62.5	65.7	73.4
(WY)	2001	2000	2000	2000	2000	2000	2001	2001	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1995 - 2003	
ANNUAL TOTAL	152900		180929			
ANNUAL MEAN	419		496		373	
HIGHEST ANNUAL MEAN					496	2003
LOWEST ANNUAL MEAN					187	2000
HIGHEST DAILY MEAN	3070	Apr 9	8030	Feb 24	10900	Mar 4 2001
LOWEST DAILY MEAN	86	Sep 13	123	Sep 30	52	Jul 17 2000
ANNUAL SEVEN-DAY MINIMUM	93	Sep 2	136	May 8	55	Jul 13 2000
MAXIMUM PEAK FLOW			9780	Feb 24	11500	Mar 4 2001
MAXIMUM PEAK STAGE			22.41	Feb 24	23.65	Mar 4 2001
INSTANTANEOUS LOW FLOW			122	Sep 20,21,30	50	Jul 17 2000
ANNUAL RUNOFF (CFSM)	1.63		1.93		1.45	
ANNUAL RUNOFF (INCHES)	22.13		26.19		19.72	
10 PERCENT EXCEEDS	1040		1010		819	
50 PERCENT EXCEEDS	235		289		188	
90 PERCENT EXCEEDS	107		148		96	

e Estimated

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 Bouie Creek, 3,200 ft upstream from New Orleans and Northeastern Railroad bridge, and at mile 71.8.

DRAINAGE AREA.--1,748 mi^2.

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

REMARKS.--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 33.6 ft from reports of National Weather Service.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 12,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 24	1600	12,400	12.69	Jul. 1	1200	14,100	13.88
Feb. 25	0500	*33,900	*22.18				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5220	10800	1250	6250	5170	6440	1350	1450	997	12000	1220	1210
2	3000	6960	1270	7060	4580	5440	1290	1330	957	8390	1330	1170
3	2100	3750	1210	6260	3230	4160	1250	1270	950	6870	1440	1080
4	3170	3190	1240	5370	2360	3390	1240	1280	1060	6450	3520	960
5	4430	5280	3400	3750	1990	3000	1220	1200	1290	7180	3300	947
6	4400	9710	5030	2720	1980	3510	1210	1160	1280	7850	3070	901
7	3890	9290	4290	2420	6160	5880	1320	1130	1680	6620	2520	868
8	3150	7520	3330	2190	6590	4750	6100	1090	1990	5050	2450	860
9	2530	5970	2460	2030	5140	4000	9640	1060	1570	3570	3670	869
10	2420	3790	2440	1980	4290	2930	10500	1030	1250	2420	3660	850
11	2760	3130	3980	2030	4230	2450	8930	1000	1090	1980	2110	915
12	3740	6040	4050	1900	3540	2380	4110	978	1090	2760	1450	856
13	4160	6670	4340	1730	2940	3640	2960	961	1510	2450	1490	814
14	3080	5460	4740	1620	2460	5810	2340	956	2790	2390	2520	870
15	2150	3690	4140	1560	2340	5380	2050	1240	4310	2550	2550	908
16	1830	2830	3650	1520	5200	5440	1860	3070	3710	2180	2230	894
17	2550	2650	2770	1460	7740	5210	1730	2060	3790	1660	2360	817
18	2240	2280	2260	1420	7700	4890	1630	2220	3190	1600	1460	769
19	1730	1960	2170	1380	6960	4630	1540	2580	3020	2420	1340	740
20	1380	1860	2940	1360	4710	5750	1470	2350	3150	2350	1410	719
21	1200	2220	2960	1350	5410	4940	1430	2590	3450	2330	1530	718
22	1100	2140	3100	1350	17100	3710	1390	3330	4230	1720	1210	1040
23	1040	1820	2830	1320	22100	2500	1340	2270	2910	3070	1150	1600
24	987	1620	9930	1290	29400	2090	1420	1820	1890	5080	1070	1300
25	970	1480	9110	1240	31900	1890	1840	1470	1420	4460	976	1020
26	1440	1400	8450	1220	26800	1730	2800	1280	1230	3380	929	912
27	1880	1330	9590	1220	18700	1640	3540	1330	1250	2040	897	886
28	3430	1270	9090	1210	8560	1580	3400	1300	1750	1410	871	809
29	5140	1220	5050	1210	---	1520	2370	1240	1570	1170	863	758
30	9750	1210	3540	1540	---	1450	1670	1130	2340	1070	973	722
31	10600	---	3760	4450	---	1390	---	1050	---	1160	1070	---
TOTAL	97467	118540	128370	73410	249280	113520	84940	48225	62714	115630	56639	27782
MEAN	3144	3951	4141	2368	8903	3662	2831	1556	2090	3730	1827	926
MAX	10600	10800	9930	7060	31900	6440	10500	3330	4310	12000	3670	1600
MIN	970	1210	1210	1210	1980	1390	1210	956	950	1070	863	718
CFSM	1.80	2.26	2.37	1.35	5.09	2.09	1.62	0.89	1.20	2.13	1.05	0.53
IN.	2.07	2.52	2.73	1.56	5.31	2.42	1.81	1.03	1.33	2.46	1.21	0.59
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2003, BY WATER YEAR (WY)												
MEAN	1032	1632	2895	4094	5030	5187	4623	2770	1451	1468	1154	1116
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1938 - 2003	
ANNUAL TOTAL	924182		1176517			
ANNUAL MEAN	2532		3223		2692	
HIGHEST ANNUAL MEAN					5121	1980
LOWEST ANNUAL MEAN					851	2000
HIGHEST DAILY MEAN	13500	Apr 10	31900	Feb 25	110000	Apr 15 1974
LOWEST DAILY MEAN	420	Sep 14	718	Sep 21	247	Sep 6 2000
ANNUAL SEVEN-DAY MINIMUM	450	Sep 11	795	Sep 15	260	Sep 1 2000
MAXIMUM PEAK FLOW			33900	Feb 25	121000	Apr 15 1974
MAXIMUM PEAK STAGE			22.18	Feb 25	34.03	Apr 15 1974
INSTANTANEOUS LOW FLOW			702	Sep 21	240	Sep 6 2000
ANNUAL RUNOFF (CFSM)	1.45		1.84		1.54	
ANNUAL RUNOFF (INCHES)	19.67		25.04		20.93	
10 PERCENT EXCEEDS	6190		6330		6190	
50 PERCENT EXCEEDS	1530		2190		1300	
90 PERCENT EXCEEDS	596		993		558	

02473000 LEAF RIVER AT HATTIESBURG, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.17	11.62	2.58	8.11	7.17	8.27	3.33	2.87	2.19	12.40	2.76	2.57
2	4.96	8.65	2.61	8.79	6.62	7.40	3.25	2.70	2.13	9.83	2.88	2.52
3	3.73	5.80	2.52	8.12	5.24	6.32	3.20	2.61	2.11	8.63	2.97	2.37
4	5.10	5.22	2.56	7.34	4.07	5.67	3.17	2.63	2.29	8.28	5.40	2.18
5	6.48	7.22	5.27	5.80	3.59	5.32	3.15	2.51	2.64	8.88	5.15	2.16
6	6.45	10.82	7.03	4.61	3.58	5.77	3.14	2.45	2.62	9.41	4.90	2.08
7	5.95	10.51	6.34	4.15	7.97	7.79	3.28	2.40	3.17	8.42	4.27	2.03
8	5.18	9.16	5.37	3.83	8.40	6.81	7.92	2.33	3.59	7.04	4.19	2.02
9	4.32	7.86	4.21	3.64	7.14	6.20	10.77	2.29	3.03	5.57	5.58	2.03
10	4.15	5.84	4.20	3.57	6.34	5.25	11.37	2.25	2.58	4.33	5.57	2.00
11	4.66	5.16	6.04	3.64	6.28	4.75	10.20	2.20	2.34	3.81	3.78	2.11
12	5.79	7.89	6.11	3.47	5.59	4.65	6.03	2.16	2.33	4.73	2.92	2.01
13	6.21	8.46	6.38	3.25	4.92	5.88	4.72	2.13	2.94	4.38	2.97	1.94
14	5.06	7.42	6.76	3.11	4.21	7.73	4.01	2.12	4.48	4.32	4.28	2.03
15	3.80	5.74	6.20	3.02	4.06	7.36	3.66	2.53	6.24	4.51	4.31	2.10
16	3.38	4.77	5.70	2.96	7.16	7.41	3.43	4.85	5.58	4.06	3.92	2.07
17	4.36	4.50	4.67	2.88	9.33	7.20	3.26	3.66	5.68	3.40	4.08	1.94
18	3.91	3.95	3.93	2.83	9.30	6.93	3.12	3.87	4.98	3.32	2.94	1.86
19	3.25	3.54	3.83	2.77	8.70	6.73	3.00	4.30	4.79	4.36	2.76	1.81
20	2.76	3.42	4.92	2.74	6.72	7.68	2.90	4.02	4.94	4.27	2.85	1.77
21	2.50	3.87	4.96	2.73	7.28	6.98	2.84	4.28	5.28	4.25	3.02	1.77
22	2.36	3.77	5.12	2.72	15.57	5.95	2.78	5.14	6.17	3.47	2.57	2.29
23	2.26	3.37	4.73	2.69	18.18	4.81	2.72	3.92	4.67	5.08	2.49	3.12
24	2.17	3.10	10.88	2.63	20.78	4.32	2.82	3.36	3.45	7.08	2.36	2.71
25	2.15	2.91	10.38	2.57	21.59	4.07	3.38	2.90	2.82	6.50	2.21	2.28
26	2.85	2.79	9.88	2.53	19.91	3.86	4.55	2.63	2.55	5.42	2.13	2.10
27	3.44	2.70	10.74	2.53	16.39	3.74	5.39	2.69	2.57	3.89	2.08	2.06
28	5.44	2.61	10.35	2.52	9.93	3.65	5.23	2.65	3.28	3.07	2.03	1.93
29	7.10	2.54	7.04	2.51	---	3.57	4.04	2.56	3.04	2.71	2.02	1.84
30	10.85	2.52	5.59	2.99	---	3.48	3.17	2.40	3.99	2.56	2.20	1.78
31	11.44	---	5.78	6.48	---	3.39	---	2.28	---	2.69	2.36	---
MEAN	4.81	5.59	5.89	3.92	9.14	5.77	4.46	2.96	3.62	5.51	3.35	2.12
MAX	11.44	11.62	10.88	8.79	21.59	8.27	11.37	5.14	6.24	12.40	5.58	3.12
MIN	2.15	2.52	2.52	2.51	3.58	3.39	2.72	2.12	2.11	2.56	2.02	1.77

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 mi^2.

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 NGVD of 1929. 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.--No estimated daily discharge. Records good. 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 5	0830	2,340	17.98	Dec. 25	1300	2,620	18.18
Oct. 15	2400	2,570	18.04	Jan. 2	0300	2,070	17.76
Oct. 29	1915	2,590	18.16	Feb. 22	1000	*6,510	*19.98

DISCHARE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	147	42	1780	343	236	48	31	12	670	46	28
2	32	96	38	1890	187	191	46	29	11	1420	34	25
3	42	81	35	683	147	159	45	27	23	576	28	22
4	1440	432	59	226	131	144	45	26	54	604	32	18
5	2150	728	826	178	114	136	44	25	27	1320	55	17
6	949	1480	919	153	206	197	48	24	19	1830	35	16
7	210	955	198	131	814	315	898	22	24	1080	92	58
8	114	180	108	121	453	179	1740	21	31	193	171	31
9	79	110	85	117	214	141	1290	21	22	128	56	20
10	251	88	414	112	355	134	233	19	16	77	35	16
11	1080	668	1270	102	311	111	123	18	16	56	28	15
12	704	1790	687	94	190	94	87	17	51	410	25	14
13	130	1010	709	91	143	100	69	17	189	149	318	14
14	75	172	1050	89	123	287	58	15	214	860	430	20
15	841	121	345	87	133	262	52	19	183	727	80	19
16	2020	162	165	85	871	152	47	23	76	93	41	15
17	830	130	126	84	1120	202	44	20	52	57	32	13
18	122	85	107	79	330	540	41	20	269	151	27	12
19	73	72	133	78	177	486	38	20	295	171	26	12
20	57	76	757	78	145	637	35	21	61	61	30	11
21	51	295	475	80	1430	189	34	27	40	46	25	11
22	47	166	164	80	5260	111	32	42	30	50	23	20
23	41	84	127	76	2540	91	30	28	24	510	21	33
24	38	65	1330	69	856	80	30	21	21	579	20	23
25	37	57	2420	69	250	71	210	18	19	161	18	17
26	119	53	1280	71	196	66	506	55	17	60	18	15
27	401	49	262	70	384	63	102	42	20	42	47	14
28	999	44	173	68	410	60	52	26	40	35	31	17
29	2150	42	144	120	---	55	41	19	31	32	29	14
30	1990	41	129	1250	---	54	35	16	28	30	32	11
31	626	---	502	1300	---	51	---	14	---	29	28	---
TOTAL	17739	9479	15079	9511	17833	5594	6103	743	1915	12207	1913	571
MEAN	572	316	486	307	637	180	203	24.0	63.8	394	61.7	19.0
MAX	2150	1790	2420	1890	5260	637	1740	55	295	1830	430	58
MIN	32	41	35	68	114	51	30	14	11	29	18	11
CFSM	5.61	3.10	4.77	3.01	6.24	1.77	1.99	0.23	0.63	3.86	0.60	0.19
IN.	6.47	3.46	5.50	3.47	6.50	2.04	2.23	0.27	0.70	4.45	0.70	0.21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2003, BY WATER YEAR (WY)

MEAN	72.9	128	198	337	387	370	277	113	55.3	73.8	29.8	52.3
MAX	572	367	710	1090	1119	880	737	739	221	429	165	504
(WY)	2003	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1980 - 2003	
ANNUAL TOTAL	88175.8		98687			
ANNUAL MEAN	242		270		173	
HIGHEST ANNUAL MEAN					301	1983
LOWEST ANNUAL MEAN					43.2	2000
HIGHEST DAILY MEAN	3110	Sep 27	5260	Feb 22	10900	Feb 16 1990
LOWEST DAILY MEAN	3.2	Sep 8	11	Jun 2	1.3	Jul 23 2000
ANNUAL SEVEN-DAY MINIMUM	3.6	Sep 6	13	Sep 15	1.3	Aug 21 2000
MAXIMUM PEAK FLOW			6510	Feb 22	17900	Apr 13 1974
MAXIMUM PEAK STAGE			19.98	Feb 22	23.18	Apr 13 1974
INSTANTANEOUS LOW FLOW			9.6	Sep 30	1.3	Aug 21 2000
ANNUAL RUNOFF (CFSM)	2.37		2.65		1.70	
ANNUAL RUNOFF (INCHES)	32.16		35.99		23.10	
10 PERCENT EXCEEDS	770		847		419	
50 PERCENT EXCEEDS	76		78		30	
90 PERCENT EXCEEDS	6.5		19		5.8	

02473500 TALLAHALA CREEK AT LAUREL, MS

LOCATION.--Lat 31°40'51", long 89°06'57", in NW1/4 NE1/4 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 mi^2.

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 NGVD of 1929 (Mississippi Department of Transportation bench mark). Prior to Dec. 14, 1938, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: Feb. 7. Records good except for estimated daily discharges, which are poor. 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Feb. 24	0830	*5,460	*17.00	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1400	1240	141	1180	865	853	142	101	67	1510	81	57
2	601	1560	139	1310	1000	746	135	87	57	1730	80	58
3	202	1130	132	1290	1040	561	130	79	49	1220	84	57
4	561	442	148	1460	398	468	124	75	46	1250	78	53
5	922	799	468	1680	320	417	121	69	45	1380	72	44
6	939	1130	821	1330	323	446	118	64	87	1290	67	43
7	985	1150	849	488	e640	541	330	59	91	1070	152	99
8	1120	1190	872	352	1080	606	1120	56	99	1200	210	164
9	1100	1190	600	297	1070	535	1270	52	100	1180	206	133
10	429	974	535	283	1020	437	1230	48	86	957	172	91
11	440	421	879	265	777	377	1300	46	74	353	111	59
12	666	465	937	229	693	325	1220	44	100	295	90	46
13	789	745	1070	205	539	360	426	42	136	342	101	39
14	841	892	1150	191	401	709	257	42	397	422	143	36
15	538	1030	1170	182	392	719	200	182	697	434	378	34
16	900	1080	1110	176	712	622	167	260	829	616	305	37
17	998	607	915	169	812	544	147	131	427	618	146	42
18	1000	390	454	162	895	618	133	197	243	255	97	37
19	1080	282	384	155	1000	713	122	163	177	163	73	31
20	753	242	404	150	896	808	112	120	240	248	62	27
21	241	327	533	149	926	765	104	948	262	192	56	30
22	171	351	698	151	2050	694	99	780	193	166	55	163
23	143	402	675	151	2490	387	94	421	131	372	64	158
24	125	261	1130	142	5050	277	91	217	98	409	56	131
25	111	194	1210	132	3580	236	230	155	78	550	48	95
26	123	170	1140	127	2550	209	316	125	64	482	44	71
27	282	156	1260	126	1870	192	442	109	57	214	40	57
28	709	148	1640	127	1030	178	393	117	73	132	39	47
29	884	138	1800	134	---	167	172	123	94	106	74	42
30	953	134	839	387	---	157	122	100	150	94	80	42
31	1020	---	615	759	---	152	---	81	---	91	63	---
TOTAL	21026	19240	24718	13939	34419	14819	10867	5093	5247	19341	3327	2023
MEAN	678	641	797	450	1229	478	362	164	175	624	107	67.4
MAX	1400	1560	1800	1680	5050	853	1300	948	829	1730	378	164
MIN	111	134	132	126	320	152	91	42	45	91	39	27
CFSM	2.85	2.69	3.35	1.89	5.16	2.01	1.52	0.69	0.73	2.62	0.45	0.28
IN.	3.29	3.01	3.86	2.18	5.38	2.32	1.70	0.80	0.82	3.02	0.52	0.32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2003, BY WATER YEAR (WY)

MEAN	75.6	171	391	591	744	797	671	324	127	134	75.9	75.9
MAX	678	1386	1967	2286	2478	1741	2366	1868	604	1604	378	847
(WY)	2003	1949	1962	1947	1961	1980	1980	1953	1997	1940	1944	2001
MIN	3.07	6.17	30.9	29.9	53.6	86.4	53.9	15.4	8.77	10.3	9.11	5.69
(WY)	1964	1957	1957	1957	2000	1957	1963	1963	1988	2000	2000	1954

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1938 - 2003	
ANNUAL TOTAL	146606.7		174059			
ANNUAL MEAN	402		477		346	
HIGHEST ANNUAL MEAN					726	1980
LOWEST ANNUAL MEAN					104	2000
HIGHEST DAILY MEAN	2060	Jan 25	5050	Feb 24	18400	Apr 14 1974
LOWEST DAILY MEAN	8.7	Sep 16	27	Sep 20	1.8	Oct 31 1963
ANNUAL SEVEN-DAY MINIMUM	9.5	Sep 14	34	Sep 15	2.0	Oct 26 1963
MAXIMUM PEAK FLOW			5460	Feb 24	23300	Apr 14 1974
MAXIMUM PEAK STAGE			17.00	Feb 24	23.28	Apr 14 1974
INSTANTANEOUS LOW FLOW			25	Sep 21	1.8	Nov 3 1952
ANNUAL RUNOFF (CFSM)	1.69		2.00		1.45	
ANNUAL RUNOFF (INCHES)	22.91		27.21		19.75	
10 PERCENT EXCEEDS	1070		1140		949	
50 PERCENT EXCEEDS	192		255		97	
90 PERCENT EXCEEDS	19		57		14	

e Estimated

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 mi^2.

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 NGVD of 1929. Prior to Oct. 1, 1971, at datum 5.00 ft higher.

REMARKS.--Estimated daily discharges: Oct. 10-11, Nov. 7-12, and Mar. 4-6. 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 24	2330	5,110	15.26	Jul. 1	1030	5,340	15.57
Feb. 27	0345	*8,180	*18.99				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1930	2000	394	3570	1560	3950	463	412	228	4560	436	202
2	1830	2170	393	3450	1670	2240	461	345	210	4730	345	199
3	1080	2430	394	3140	1730	1990	434	312	197	3910	306	187
4	1680	2070	384	2810	1530	e1750	431	295	186	3150	556	179
5	2240	1580	1110	2720	930	e1550	423	283	182	3250	525	172
6	2170	2840	1760	2680	721	e2750	414	270	184	3330	373	162
7	1980	e2650	1810	2150	1910	3030	407	257	226	2810	456	162
8	1850	e2200	1640	1190	2260	1910	1520	251	279	2320	572	183
9	1750	e2070	1410	926	2210	1590	3310	242	275	2340	606	255
10	e1550	e2400	1430	849	1980	1360	3130	230	284	2150	578	251
11	e1230	e2850	2150	860	1820	1150	2710	219	249	1700	475	218
12	1350	e2300	1980	766	1460	998	2450	212	220	1220	355	181
13	1600	1730	2190	699	1210	1440	2040	207	375	878	347	163
14	1540	1770	2490	631	961	2950	1000	204	687	1250	450	156
15	1360	1860	2260	602	814	2330	692	214	2380	1180	395	152
16	1110	1950	2050	595	2020	1920	590	657	2870	950	635	145
17	1350	1800	1830	585	1750	1750	518	739	1970	1130	596	144
18	1480	1270	1470	569	1630	1760	468	645	883	1010	397	143
19	1420	888	980	552	1610	1670	447	1020	606	631	304	142
20	1370	754	1340	532	1630	1720	411	687	531	510	273	134
21	1080	1070	1180	517	1940	1720	394	579	836	655	266	127
22	581	958	1300	508	3880	1590	376	1620	1290	564	232	278
23	442	823	1460	499	4900	1430	354	1560	714	1140	217	888
24	377	795	4100	493	5230	1000	345	792	419	1810	208	521
25	342	630	4780	488	5950	804	353	478	319	1180	202	366
26	444	526	3520	482	7460	676	640	364	267	1040	188	260
27	589	482	2800	476	7860	660	797	350	275	873	183	211
28	1470	443	2610	473	6330	578	891	340	409	549	171	187
29	2180	417	2750	473	---	569	890	303	280	408	164	161
30	2830	399	2910	479	---	560	547	297	310	372	171	146
31	2130	---	2710	1050	---	528	---	252	---	467	224	---
TOTAL	44335	46125	59585	35814	74956	49923	27906	14636	18141	52067	11206	6675
MEAN	1430	1538	1922	1155	2677	1610	930	472	605	1680	361	222
MAX	2830	2850	4780	3570	7860	3950	3310	1620	2870	4730	635	888
MIN	342	399	384	473	721	528	345	204	182	372	164	127
CFSM	2.34	2.51	3.14	1.89	4.37	2.63	1.52	0.77	0.99	2.74	0.59	0.36
IN.	2.69	2.80	3.62	2.18	4.56	3.03	1.70	0.89	1.10	3.16	0.68	0.41

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2003, BY WATER YEAR (WY)

MEAN	250	479	1043	1534	1868	2013	1719	957	395	439	266	267
MAX	1430	2635	4400	5061	5750	4429	6595	4728	1578	4294	933	1314
(WY)	2003	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1940 - 2003	
ANNUAL TOTAL	361775		441369			
ANNUAL MEAN	991		1209		927	
HIGHEST ANNUAL MEAN					1949	1949
LOWEST ANNUAL MEAN					279	2000
HIGHEST DAILY MEAN	4780	Dec 25	7860	Feb 27	29600	Feb 25 1961
LOWEST DAILY MEAN	32	Sep 14	127	Sep 21	22	Oct 26 2000
ANNUAL SEVEN-DAY MINIMUM	34	Sep 12	141	Sep 15	24	Oct 24 2000
MAXIMUM PEAK FLOW			8180	Feb 27	32800	Feb 24 1961
MAXIMUM PEAK STAGE			18.99	Feb 27	30.07	Feb 24 1961
INSTANTANEOUS LOW FLOW			126	Sep 21	22	Oct 25 2000
ANNUAL RUNOFF (CFSM)	1.62		1.98		1.52	
ANNUAL RUNOFF (INCHES)	21.99		26.83		20.59	
10 PERCENT EXCEEDS	2500		2710		2510	
50 PERCENT EXCEEDS	536		792		353	
90 PERCENT EXCEEDS	63		212		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 mi^2.

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 NGVD of 1929.

REMARKS.--Estimated daily discharges: June 3-6. 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 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 17,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Feb. 27	0600	*37,300	*25.30	Jul. 2	0830	20,600	19.33

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10000	12100	2320	10400	6240	16900	2260	2040	1370	15200	2210	1580
2	6100	11400	2340	10800	6370	9950	2180	1820	1290	20000	2190	1580
3	4370	7560	2310	10100	5530	7450	2100	1690	e1450	16300	2670	1490
4	4950	6210	2260	8780	4320	5900	2050	1710	e2360	13000	3080	1350
5	6830	6150	3800	7570	3190	5180	2020	1600	e1640	11800	4590	1260
6	6960	10100	7350	6110	2690	5430	2000	1500	e1520	12000	3760	1240
7	6580	12200	7300	5150	5550	11800	2010	1460	1830	11200	3330	1180
8	5670	10900	6360	3860	8870	10000	5660	1410	2470	9090	3130	1200
9	4960	9250	5170	3280	7910	7200	12400	1360	2140	7210	3770	1250
10	4580	7520	4850	3060	6650	5640	13200	1320	1800	5660	4490	1500
11	4470	6030	6810	3060	6280	4620	13200	1290	1500	4630	3530	1300
12	4930	7480	7320	2930	5510	4090	9310	1260	1390	4000	2290	1230
13	5960	8820	7380	2700	4680	5750	5730	1230	1720	4310	1950	1150
14	5560	8170	8100	2510	3820	10100	3910	1230	3050	3800	2650	1180
15	4500	7080	7680	2380	3260	9070	3030	1250	7460	4230	3080	1180
16	3510	5930	7070	2300	7070	8280	2660	2620	7280	3800	3150	1180
17	3810	5340	6120	2230	8950	7970	2410	3280	6260	3420	4190	1140
18	4150	4590	4970	2140	9380	7810	2240	2580	4800	3150	2600	1070
19	3690	3720	4110	2070	8900	6760	2100	3470	3880	3220	1960	1030
20	3210	3390	4880	2020	7560	7640	1980	3340	3620	3260	1840	985
21	2830	3920	5220	1990	6630	7480	1900	2800	4140	3570	2540	975
22	2150	3980	5260	1970	12900	6250	1830	4660	5380	2960	1870	1500
23	1880	3530	5400	1950	18900	5030	1770	4410	4610	4020	1620	2730
24	1760	3220	11500	1900	22600	3890	1730	2980	3010	6350	1530	2380
25	1690	2930	15900	1830	27600	3350	2170	2290	2140	6440	1410	1810
26	3090	2690	13600	1780	32400	3040	2970	1940	1750	5320	1300	1460
27	3110	2540	12000	1750	35600	2840	3990	1920	1630	3950	1270	1410
28	5510	2420	12300	1730	28200	2690	4330	1830	2740	2770	1210	1240
29	7450	2340	10000	1720	---	2570	3790	1700	2160	2270	1210	1150
30	10200	2300	7230	1850	---	2500	2600	1610	2850	2220	1370	1060
31	12000	---	7180	3670	---	2350	---	1470	---	2120	1480	---
TOTAL	156460	183810	214090	115590	307560	199530	119530	65070	89240	201270	77270	40790
MEAN	5047	6127	6906	3729	10980	6436	3984	2099	2975	6493	2493	1360
MAX	12000	12200	15900	10800	35600	16900	13200	4660	7460	20000	4590	2730
MIN	1690	2300	2260	1720	2690	2350	1730	1230	1290	2120	1210	975
CFSM	1.99	2.41	2.72	1.47	4.32	2.53	1.57	0.83	1.17	2.55	0.98	0.53
IN.	2.29	2.69	3.13	1.69	4.50	2.92	1.75	0.95	1.31	2.95	1.13	0.60

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2003, BY WATER YEAR (WY)

MEAN	1758	2731	3646	6514	7020	7335	4765	3741	2449	2205	1509	1471
MAX	5047	6466	7355	16280	21510	14800	9662	18250	6190	6709	2516	4851
(WY)	2003	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1984 - 2003	
ANNUAL TOTAL	1382373		1770210			
ANNUAL MEAN	3787		4850		3766	
HIGHEST ANNUAL MEAN					6332	1990
LOWEST ANNUAL MEAN					1195	2000
HIGHEST DAILY MEAN	15900	Dec 25	35600	Feb 27	74000	Feb 20 1990
LOWEST DAILY MEAN	685	Sep 14	975	Sep 21	360	Aug 23 2000
ANNUAL SEVEN-DAY MINIMUM	709	Sep 10	1080	Sep 15	366	Aug 20 2000
MAXIMUM PEAK FLOW			37300	Feb 27	74700	May 15 1990
MAXIMUM PEAK STAGE			25.30	Feb 27	30.71	May 15 1990
INSTANTANEOUS LOW FLOW			963	Sep 21	353	Oct 19 2000
ANNUAL RUNOFF (CFSM)	1.49		1.91		1.48	
ANNUAL RUNOFF (INCHES)	20.23		25.91		20.13	
10 PERCENT EXCEEDS	8410		10000		8870	
50 PERCENT EXCEEDS	2340		3350		1960	
90 PERCENT EXCEEDS	828		1410		814	

e Estimated

02474560 LEAF RIVER NEAR NEW AUGUSTA, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.34	13.39	3.67	12.05	8.42	16.79	4.72	4.28	3.10	15.51	4.27	3.40
2	8.15	12.86	3.69	12.38	8.54	11.71	4.62	3.97	2.98	18.94	4.25	3.39
3	6.46	9.54	3.65	11.83	7.75	9.87	4.51	3.78	---	16.38	4.85	3.26
4	7.04	8.25	3.57	10.76	6.54	8.65	4.45	3.80	---	14.04	5.31	3.06
5	8.82	8.20	5.30	9.65	5.31	7.97	4.40	3.63	---	13.18	6.97	2.92
6	8.93	11.80	8.78	8.30	4.72	8.17	4.37	3.48	---	13.29	6.11	2.88
7	8.59	13.44	8.72	7.38	7.69	13.12	4.38	3.41	3.75	12.65	5.62	2.78
8	7.74	12.45	7.87	6.06	10.84	11.76	8.01	3.33	4.61	11.02	5.40	2.81
9	7.06	11.13	6.73	5.42	9.97	9.69	13.58	3.25	4.18	9.44	6.10	2.88
10	6.68	9.29	6.39	5.17	8.79	8.39	14.13	3.17	3.72	8.02	6.87	3.25
11	6.57	7.85	8.24	5.16	8.46	7.40	14.17	3.12	3.30	7.02	5.84	2.96
12	7.02	9.27	8.67	5.02	7.73	6.85	11.25	3.06	3.13	6.37	4.37	2.85
13	8.02	10.74	8.72	4.74	6.92	8.46	8.46	3.01	3.61	6.69	3.93	2.72
14	7.64	9.99	9.59	4.51	6.02	11.87	6.63	2.99	5.27	6.15	4.82	2.75
15	6.60	8.80	9.00	4.34	5.40	11.04	5.65	3.02	9.65	6.61	5.34	2.76
16	5.54	7.71	8.41	4.24	9.17	10.46	5.19	4.82	9.51	6.14	5.42	2.75
17	5.86	7.14	7.54	4.15	10.90	10.24	4.88	5.65	8.59	5.72	6.55	2.69
18	6.23	6.38	6.43	4.03	11.26	10.13	4.65	4.82	7.18	5.42	4.76	2.57
19	5.73	5.45	5.56	3.95	10.86	9.36	4.45	5.85	6.23	5.49	3.95	2.49
20	5.20	5.08	6.34	3.87	9.64	10.01	4.29	5.70	5.96	5.55	3.78	2.43
21	4.76	5.64	6.68	3.83	8.78	9.89	4.17	5.07	6.51	5.89	4.69	2.40
22	3.90	5.70	6.72	3.81	13.87	8.94	4.06	7.08	7.75	5.20	3.82	3.20
23	3.55	5.20	6.85	3.77	18.18	7.79	3.97	6.82	6.97	6.37	3.47	4.85
24	3.37	4.84	12.73	3.71	20.45	6.62	3.91	5.24	5.25	8.65	3.34	4.42
25	3.27	4.49	16.10	3.62	22.64	6.03	4.50	4.39	4.19	8.75	3.16	3.66
26	5.04	4.19	14.44	3.55	24.22	5.68	5.47	3.93	3.66	7.70	3.00	3.16
27	5.08	4.00	13.26	3.50	24.94	5.43	6.61	3.89	3.48	6.30	2.94	3.08
28	7.57	3.83	13.52	3.48	22.76	5.26	6.96	3.76	4.94	4.97	2.86	2.82
29	9.43	3.73	11.74	3.47	---	5.12	6.37	3.58	4.20	4.35	2.84	2.67
30	11.88	3.67	9.33	3.64	---	5.02	4.99	3.46	5.03	4.29	3.10	2.53
31	13.28	---	9.29	5.78	---	4.84	---	3.25	---	4.16	3.25	---
MEAN	6.98	7.80	8.31	5.65	11.46	8.79	6.26	4.15	---	8.40	4.55	3.01
MAX	13.28	13.44	16.10	12.38	24.94	16.79	14.17	7.08	---	18.94	6.97	4.85
MIN	3.27	3.67	3.57	3.47	4.72	4.84	3.91	2.99	---	4.16	2.84	2.40

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 mi^2.

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 NGVD of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Oct. 2-9, Mar. 29 - Apr. 8, Apr. 17-22, May 15-20, Aug. 28-29, and Sept. 3. 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 ft^3/s was measured Oct. 16, 1963.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,700 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Jul. 1	2030	*9,190	*18.90	No other peak greater than base dishcarge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	916	1300	137	2670	500	1220	e154	110	100	7500	337	171
2	e750	983	157	2390	613	980	e150	87.0	93	6930	344	190
3	e215	453	163	1870	664	920	e143	72	93	5870	278	e140
4	e900	596	157	1940	469	737	e120	69	96	4990	486	97
5	e1350	859	761	1990	321	635	e118	68	85	4680	905	83
6	e1360	1420	1160	1660	342	1320	e124	67	79	3560	592	68
7	e1150	1160	882	1090	1170	2570	e148	66	174	2160	687	66
8	e920	1020	837	568	1230	2010	e660	59	170	1770	1110	62
9	e480	1080	866	420	1070	1370	1550	57	109	1760	887	59
10	324	1120	1220	380	1110	1110	1330	55	133	1460	828	60
11	611	1010	1800	398	1200	868	1550	54	115	1010	756	66
12	632	1580	1470	375	1110	679	1740	53	99	817	392	58
13	500	1910	1480	333	853	757	1340	53	376	716	597	50
14	350	1550	1710	295	680	1920	782	55	1250	1030	877	51
15	368	1190	1550	264	642	1860	477	e85	2110	1220	600	44
16	520	812	1390	244	2070	1360	316	e440	2070	566	479	37
17	424	532	1160	228	1790	1470	e212	e368	2320	404	401	33
18	493	445	918	215	1130	1600	e166	e665	2420	328	321	34
19	596	450	589	208	992	1310	e137	e940	1890	292	275	36
20	573	403	579	189	954	999	e100	e885	1210	302	236	35
21	270	693	573	188	1240	839	e98.0	1120	764	534	394	59
22	155	742	549	185	2210	696	e90	1280	823	507	527	266
23	117	556	639	188	2320	544	86	940	414	1570	464	309
24	103	509	2760	192	2250	420	85	915	229	2340	281	365
25	98	393	3250	195	3270	341	103	907	145	1740	187	363
26	171	274	2650	171	2830	292	209	512	111	1080	576	313
27	325	213	2580	148	2510	254	253	224	135	732	291	180
28	1240	178	2330	156	1860	235	348	182	557	392	e175	128
29	1700	162	1890	162	---	e198	284	143	870	249	e185	95
30	1850	144	1380	191	---	e160	164	114	1200	192	188	81
31	1610	---	1480	325	---	e152	---	101	---	274	156	---
TOTAL	21071	23737	39067	19828	37400	29826	13037.0	10746.0	20240	56975	14812	3599
MEAN	680	791	1260	640	1336	962	435	347	675	1838	478	120
MAX	1850	1910	3250	2670	3270	2570	1740	1280	2420	7500	1110	365
MIN	98	144	137	148	321	152	85	53	79	192	156	33
MED	520	718	1160	264	1120	868	165	110	202	1030	401	67
CFSM	1.98	2.30	3.66	1.86	3.88	2.80	1.26	1.01	1.96	5.34	1.39	0.35
IN.	2.28	2.57	4.22	2.14	4.04	3.23	1.41	1.16	2.19	6.16	1.60	0.39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2003, BY WATER YEAR (WY)

MEAN	167	252	612	1029	1004	1092	862	498	209	185	105	160
MAX	881	1284	2118	2848	2545	2690	2799	2359	877	1838	537	1115
(WY)	1976	1987	1974	1998	1990	2001	1980	1991	1997	2003	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1971 - 2003	
ANNUAL TOTAL	195635.8		290338.0			
ANNUAL MEAN	536		795		513	
HIGHEST ANNUAL MEAN					911	1974
LOWEST ANNUAL MEAN					102	2000
HIGHEST DAILY MEAN	3250	Dec 25	7500	Jul 1	19900	Dec 28 1973
LOWEST DAILY MEAN	6.1	Sep 13	33	Sep 17	3.3	Nov 1 2000
ANNUAL SEVEN-DAY MINIMUM	6.3	Sep 10	39	Sep 14	3.4	Oct 27 2000
MAXIMUM PEAK FLOW			9190	Jul 1	21900	Dec 28 1973
MAXIMUM PEAK STAGE			18.90	Jul 1	27.63	Dec 28 1973
INSTANTANEOUS LOW FLOW			31	Sep 17,18	3.3	Oct 25 2000
ANNUAL RUNOFF (CFSM)	1.56		2.31		1.49	
ANNUAL RUNOFF (INCHES)	21.16		31.40		20.24	
10 PERCENT EXCEEDS	1400		1860		1420	
50 PERCENT EXCEEDS	278		500		148	
90 PERCENT EXCEEDS	13		89		17	

e Estimated

02475000 LEAF RIVER NEAR McLAIN, MS

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 Oktibee Creek, and 14.6 mi upstream from confluence with Chickasawhay River.

DRAINAGE AREA.--3,495 mi^2.

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 NGVD of 1929. Prior to Sept. 8, 1940, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: Mar. 3, Apr. 4-7, 19-25 and May 1-12, 14-15. 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 32 ft, from information by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 18,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 25	0800	28,600	19.68	Mar. 15	0930	19,800	15.73
Jan. 2	0400	22,500	16.97	Apr. 10	0930	21,100	16.36
Feb. 27	2215	*51,000	*24.07	Jul. 3	0015	43,700	23.03
Mar. 8	0015	25,900	18.34				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16100	17100	2880	20600	6940	40300	3580	e3170	1700	28900	3460	2680
2	10300	16800	2860	20600	8560	28000	3420	e2940	1560	39900	3320	2740
3	7150	12800	2860	19000	8290	e18200	3250	e2800	1730	42200	3780	2570
4	7410	9260	2800	16800	6940	10700	e3000	e3240	3390	36500	3590	2290
5	9450	9100	3590	15100	5290	9000	e2900	e2860	2450	29000	5920	2120
6	9830	12500	8860	12400	4060	8980	e2810	e2540	2140	24000	5840	1970
7	9290	15000	10000	10100	5620	21400	e3200	e2290	2520	22200	5250	1820
8	8480	15000	8960	7610	12300	23400	10600	e2100	4000	18700	5320	1740
9	7650	12600	7720	5730	12400	17100	19600	e1950	3270	14800	5470	1690
10	6770	10000	7990	4990	10700	13100	19600	e1800	2540	11700	6550	1880
11	7320	7620	11200	4720	9820	10400	19100	e1640	2110	9210	6560	1940
12	6790	10100	11500	4620	9360	8710	17400	e1550	1830	7200	4830	1750
13	7600	11500	11700	4270	7910	9940	11300	1600	2060	6820	5260	1700
14	7820	11800	12400	3920	6450	17700	8200	e1450	8900	5890	6870	1910
15	8340	10400	12200	3650	5190	17700	6000	e1500	17600	6900	6070	1720
16	7490	9270	10900	3440	10300	15000	4730	2150	16000	6650	5270	1610
17	5820	8370	9710	3290	15200	14500	4100	4280	14400	5500	12800	1540
18	5940	7240	8000	3150	14900	15100	3610	4380	12700	5170	7420	1450
19	5610	5840	7270	3030	14100	14000	e3150	5390	10100	4750	5570	1370
20	5050	5080	8530	2930	12800	12600	e3000	5640	8410	4960	3750	1320
21	4480	7350	8060	2860	11700	12500	e2890	8710	6830	5550	3920	1280
22	3460	7180	7200	2820	18600	11000	e2800	9680	10800	5080	4190	1750
23	2700	5980	7290	2770	23200	9150	e2700	9380	9100	6830	3430	4240
24	2410	5080	22500	2690	26300	7150	e2630	6580	5960	10600	3120	4040
25	2240	4560	26700	2620	29400	5760	e3150	4820	4080	11900	2810	3080
26	3470	4000	25300	2550	36100	5050	3780	3920	2980	9910	2440	2480
27	6990	3550	22500	2460	47100	4910	4910	3440	2590	7830	2630	2110
28	12400	3230	21200	2390	48600	4510	5750	2690	5770	5580	2210	1890
29	15700	3010	19900	2380	---	4160	5860	2350	4880	4030	2230	1610
30	15300	2910	14600	2500	---	3990	4560	2100	8340	4400	2330	1450
31	16900	---	14300	3120	---	3820	---	1900	---	3510	2360	---
TOTAL	246260	264230	351480	199110	428130	397830	191580	110840	180740	406170	144570	61740
MEAN	7944	8808	11340	6423	15290	12830	6386	3575	6025	13100	4664	2058
MAX	16900	17100	26700	20600	48600	40300	19600	9680	17600	42200	12800	4240
MIN	2240	2910	2800	2380	4060	3820	2630	1450	1560	3510	2210	1280
MED	7410	8740	9710	3440	11200	11000	3700	2800	4040	7200	4190	1850
CFSM	2.27	2.52	3.24	1.84	4.37	3.67	1.83	1.02	1.72	3.75	1.33	0.59
IN.	2.62	2.81	3.74	2.12	4.56	4.23	2.04	1.18	1.92	4.32	1.54	0.66

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2003, BY WATER YEAR (WY)

MEAN	1882	2950	5889	8285	10150	11010	9477	5796	2854	2923	2121	2159
MAX	7944	13580	25930	23680	30530	24300	39220	25390	9260	19680	5920	7901
(WY)	2003	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1940 - 2003	
ANNUAL TOTAL	2119463		2982680			
ANNUAL MEAN	5807		8172		5434	
HIGHEST ANNUAL MEAN					11060	1949
LOWEST ANNUAL MEAN					1514	2000
HIGHEST DAILY MEAN	26700	Dec 25	48600	Feb 28	126000	Feb 26 1961
LOWEST DAILY MEAN	834	Sep 14	1280	Sep 21	401	Nov 2 2000
ANNUAL SEVEN-DAY MINIMUM	858	Sep 10	1470	Sep 15	405	Oct 29 2000
MAXIMUM PEAK FLOW			51000	Feb 27	128000	Feb 26 1961
MAXIMUM PEAK STAGE			24.07	Feb 27	31.64	Feb 26 1961
INSTANTANEOUS LOW FLOW			1270	Sep 21	397	Nov 3 2000
ANNUAL RUNOFF (CFSM)	1.66		2.34		1.55	
ANNUAL RUNOFF (INCHES)	22.56		31.75		21.13	
10 PERCENT EXCEEDS	14100		17200		13600	
50 PERCENT EXCEEDS	3360		5760		2570	
90 PERCENT EXCEEDS	1030		2110		919	

e Estimated

02475500 CHUNKY RIVER NEAR CHUNKY, MS

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.

DRAINAGE AREA.--369 mi^2.

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 NGVD of 1929. Prior to Mar. 24, 1939, nonrecording gage at same site and datum.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 30	0015	6,270	13.36	Apr. 8	0730	*42,700	*27.33
Dec. 26	0200	7,170	14.53	Apr. 26	1415	12,000	20.03
Feb. 23	0800	19,600	23.65	Jul. 03	0215	5,750	12.72

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	406	947	173	2840	1050	1560	290	439	147	2830	353	236
2	330	632	166	3290	608	1020	277	380	137	4070	295	210
3	329	529	156	2990	494	801	271	340	171	5060	258	204
4	2210	671	175	1380	458	677	274	311	293	2380	332	211
5	2870	1090	836	812	436	630	276	337	243	1990	340	191
6	2780	2030	1130	679	446	1530	285	270	188	3970	376	158
7	1150	1920	604	580	1510	2170	8980	268	300	3910	910	134
8	777	1060	397	533	1700	1680	34700	870	318	4170	1390	139
9	601	621	331	504	948	1070	13100	820	230	2330	1130	123
10	544	501	565	475	840	737	4580	465	170	1080	591	110
11	916	668	1330	440	949	599	1910	317	142	715	355	97
12	934	979	1090	404	686	523	1040	311	167	922	302	90
13	567	643	1150	380	540	747	813	324	349	649	484	86
14	441	446	1460	363	473	1730	633	259	1300	1620	682	119
15	548	387	1030	347	465	1660	524	243	1350	1410	389	152
16	932	443	612	334	1800	1240	457	264	858	601	281	109
17	715	437	487	333	2430	851	409	251	1090	615	236	89
18	481	360	429	325	2020	1090	368	512	1240	1480	214	78
19	380	305	421	308	878	1430	325	697	1310	804	224	70
20	322	289	1030	297	639	1760	298	501	973	445	244	68
21	308	303	936	297	1870	1230	281	364	583	478	200	71
22	338	297	550	300	7320	694	263	308	353	783	170	142
23	326	263	438	289	17000	564	240	275	267	1090	151	290
24	284	236	2220	266	8800	501	277	247	222	1200	140	222
25	264	220	4550	250	3670	457	4200	226	193	633	129	155
26	289	213	6280	254	1410	414	10600	216	173	379	121	131
27	669	205	3750	257	1690	388	7130	231	844	305	125	114
28	2910	198	1090	251	2020	374	2570	225	1890	262	156	107
29	4660	190	767	291	---	355	781	196	1580	295	239	107
30	5090	178	653	1520	---	340	545	174	690	271	250	96
31	2660	---	1170	1710	---	333	---	158	---	292	235	---
TOTAL	36031	17261	35976	23299	63150	29155	96697	10799	17771	47039	11302	4109
MEAN	1162	575	1161	752	2255	940	3223	348	592	1517	365	137
MAX	5090	2030	6280	3290	17000	2170	34700	870	1890	5060	1390	290
MIN	264	178	156	250	436	333	240	158	137	262	121	68
CFSM	3.15	1.56	3.15	2.04	6.11	2.55	8.74	0.94	1.61	4.11	0.99	0.37
IN.	3.63	1.74	3.63	2.35	6.37	2.94	9.75	1.09	1.79	4.74	1.14	0.41

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2003, BY WATER YEAR (WY)

MEAN	118	272	545	858	1082	1114	988	440	196	230	120	99.5
MAX	1162	1854	2741	2608	3449	2890	3223	2072	617	1671	725	751
(WY)	2003	1949	1962	1998	1990	1980	2003	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1938 - 2003	
ANNUAL TOTAL	198914		392589			
ANNUAL MEAN	545		1076		502	
HIGHEST ANNUAL MEAN					1076	2003
LOWEST ANNUAL MEAN					118	2000
HIGHEST DAILY MEAN	6280	Dec 26	34700	Apr 8	34700	Apr 8 2003
LOWEST DAILY MEAN	19	Aug 15	68	Sep 20	0.99	Sep 11 2000
ANNUAL SEVEN-DAY MINIMUM	21	Aug 10	90	Sep 16	1.1	Sep 5 2000
MAXIMUM PEAK FLOW			42700	Apr 8	42700	Apr 8 2003
MAXIMUM PEAK STAGE			27.33	Apr 8	27.33	Apr 8 2003
INSTANTANEOUS LOW FLOW			65	Sep 21	0.99	Sep 9 2000
ANNUAL RUNOFF (CFSM)	1.48		2.91		1.36	
ANNUAL RUNOFF (INCHES)	20.05		39.58		18.49	
10 PERCENT EXCEEDS	1430		2090		1250	
50 PERCENT EXCEEDS	284		446		161	
90 PERCENT EXCEEDS	35		169		24	

02476500 SOWASHEE CREEK AT MERIDIAN, MS

LOCATION.--Lat 32°22'03", long 88°40'39", in SE1/4 NE1/4 NE1/4 sec.17, T.6 N., R.16 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03170001, at Bonita Road bridge, 0.6 mi downstream from Southern Railway System bridge, and 9.4 mi upstream from mouth.

DRAINAGE AREA.--52.1 mi^2, 49.0 prior to Nov 19, 1992.

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

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

GAGE.--Water-stage recorder. Datum of gage is 300.00 ft above NGVD of 1929. From Oct. 20, 1950 to Nov 13, 1959, at Highway 80 and 11 0.4 mi upstream at datum 8.95 ft higher. From Nov. 13, 1959 to Dec. 13, 1990, at Highway 39 and 19 0.1 mi upstream at datum 5.95 ft higher. From Dec. 13, 1990, to Nov. 19, 1992, at Highway 80 and 11 0.4 mi upstream at datum 5.95 ft higher.

REMARKS.--Estimated daily discharges: Dec. 18-20, Jan. 6-7, Feb. 5, Apr. 28-29,and May 6. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1900, 35.4 ft in February 1936, at site 0.6 mi upstream at present datum, from information by Southern Railway Company. Flood of Mar. 31, 1949, reached a stage of 32.6 ft at site 0.6 mi upstream at present datum, from information by Southern Railway Company. Flood of Apr. 8, 1938, reached a stage of 32 ft at site 0.4 mi upstream at present datum, from information by National Weather Service. The flood of Feb. 21, 1961, reached a stage 6.7 ft lower than that of the flood in February 1936, at site 0.6 mi upstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 28	0645	2,320	8.09	Apr. 7	1345	*11,900	*18.17
Dec. 24	1600	1,810	7.44	Apr. 25	1115	10,500	16.04
Feb. 22	0030	2,140	7.85	Jul. 1	0515	2,200	7.93
Mar. 13	1845	1,370	6.85				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	76	23	546	96	128	40	110	23	1690	24	21
2	41	61	22	199	83	105	37	85	26	447	22	18
3	47	63	22	132	68	90	38	434	66	229	24	15
4	72	99	102	104	69	82	41	187	37	163	38	15
5	64	354	326	91	e60	131	39	103	27	270	45	14
6	137	171	88	e84	334	505	62	e71	115	451	78	20
7	76	87	64	e75	313	157	6620	219	88	168	146	21
8	56	68	54	64	116	113	1130	232	49	259	50	14
9	41	57	46	62	98	97	452	92	35	100	37	11
10	97	51	642	57	154	81	302	68	28	79	31	10
11	129	216	266	50	94	73	239	64	27	71	27	10
12	60	114	130	48	80	66	186	60	74	61	142	10
13	44	73	595	46	71	598	146	45	106	58	242	9.0
14	34	61	188	44	69	773	113	41	447	79	207	8.9
15	447	64	115	43	194	348	93	56	261	54	65	7.7
16	174	68	91	42	645	163	80	42	355	47	48	6.6
17	80	51	77	41	172	247	70	50	101	98	39	6.2
18	56	44	e73	38	118	179	63	193	127	64	33	6.1
19	44	44	e232	38	96	244	60	90	72	45	58	5.9
20	37	56	e120	38	90	132	55	109	61	41	40	4.8
21	33	54	86	40	1240	97	51	140	47	37	29	19
22	29	42	74	39	1560	82	48	127	39	60	24	33
23	25	35	72	35	393	78	45	79	32	44	22	18
24	24	33	1530	31	229	67	301	57	29	38	21	9.3
25	25	31	440	32	166	61	5930	47	27	31	19	7.3
26	51	29	196	33	155	55	724	63	23	28	17	6.6
27	91	27	142	31	403	52	338	48	314	28	20	6.2
28	1140	26	110	30	165	48	e195	38	103	26	32	5.8
29	582	26	92	191	---	46	e185	32	56	26	19	4.5
30	179	25	82	519	---	45	146	28	260	24	17	4.0
31	105	---	766	130	---	40	---	25	---	25	23	---
TOTAL	4070	2206	6866	2953	7331	4983	17829	3035	3055	4841	1639	347.9
MEAN	131	73.5	221	95.3	262	161	594	97.9	102	156	52.9	11.6
MAX	1140	354	1530	546	1560	773	6620	434	447	1690	242	33
MIN	24	25	22	30	60	40	37	25	23	24	17	4.0
CFSM	2.52	1.41	4.25	1.83	5.03	3.09	11.4	1.88	1.95	3.00	1.01	0.22
IN.	2.91	1.58	4.90	2.11	5.23	3.56	12.73	2.17	2.18	3.46	1.17	0.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2003, BY WATER YEAR (WY)

MEAN	22.2	31.0	81.0	110	139	163	131	55.4	33.0	33.1	19.3	17.9
MAX	147	150	448	393	464	438	594	234	197	252	92.7	157
(WY)	1990	2002	1962	1993	1961	1976	2003	1980	1989	1958	1982	1979
MIN	0.55	1.03	5.63	7.07	11.1	26.2	6.09	5.95	3.27	0.96	0.74	0.48
(WY)	1955	1957	1955	1956	2000	2000	1986	1999	1988	2000	1954	1954

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1951 - 2003	
ANNUAL TOTAL	32092.31		59155.9			
ANNUAL MEAN	87.9		162		69.3	
HIGHEST ANNUAL MEAN					162	2003
LOWEST ANNUAL MEAN					14.0	2000
HIGHEST DAILY MEAN	1530	Dec 24	6620	Apr 7	6620	Apr 7 2003
LOWEST DAILY MEAN	0.79	Sep 9	4.0	Sep 30	0.17	Jul 15 2000
ANNUAL SEVEN-DAY MINIMUM	0.85	Sep 7	6.2	Sep 24	0.17	Aug 31 2000
MAXIMUM PEAK FLOW			11900	Apr 7	11900	Apr 7 2003
MAXIMUM PEAK STAGE			18.17	Apr 7	32.04	Mar 28 1951
INSTANTANEOUS LOW FLOW			3.6	Sep 30	0.16	Jul 26 2000
ANNUAL RUNOFF (CFSM)	1.69		3.11		1.33	
ANNUAL RUNOFF (INCHES)	22.91		42.24		18.08	
10 PERCENT EXCEEDS	188		306		140	
50 PERCENT EXCEEDS	40		63		19	
90 PERCENT EXCEEDS	1.8		22		2.3	

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 mi^2.

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

REMARKS.--Estimated daily discharges: Apr. 7-22, 26-30, May 1-29, Jun. 2-9 and Aug. 7-11. Records fair except for estimated daily discharges, which are poor. Flow from 154 mi^2 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).

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,600 ft^3/s and maximum (*)

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 28	1430	4,720	17.73	Apr. 7	----	*20,300	[a]*22.25
Dec. 24	2200	4,010	17.17	Apr. 25	1930	18,400	21.17
Feb. 22	0700	5,560	18.19	Jul. 1	1200	3,850	16.98
Mar. 14	0430	3,130	15.96	Jul. 6	0300	3,590	16.65

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	587	948	164	2310	796	1410	320	e1690	806	3120	261	221
2	801	877	159	1440	836	1440	238	e1520	e605	2630	234	218
3	662	842	153	1340	796	1410	216	e1820	e708	1340	222	242
4	792	642	320	1410	550	1380	209	e1780	e548	1320	351	381
5	623	922	1110	1390	364	1400	205	e1660	e520	1540	317	237
6	845	1000	566	1350	534	1780	198	e1520	e825	2750	331	208
7	676	713	616	1300	1200	1100	e3400	e1400	e602	1350	e1100	241
8	605	848	645	1280	893	1190	e12200	e2000	e492	1540	e1660	188
9	531	848	638	1260	799	1310	e3500	e1630	e252	1510	e1500	175
10	435	811	1370	1160	943	1150	e2540	e1500	238	1360	e1060	175
11	590	930	1470	1110	983	1200	e2170	e1490	231	1260	e780	157
12	333	650	780	1190	1090	1260	e1940	e1530	352	1190	894	153
13	246	675	1470	1190	1150	1740	e1840	e1500	407	950	1320	151
14	220	616	1260	1170	733	2910	e1790	e1400	1280	1480	1270	157
15	1070	634	1090	1160	602	1950	e1690	e1150	851	1140	554	154
16	919	669	1030	1150	2060	1230	e1660	e1000	1470	1130	368	143
17	630	592	999	975	1190	1340	e1620	e1060	808	1160	302	144
18	577	557	931	855	918	1520	e1580	e1350	1520	1330	252	144
19	525	429	802	505	1000	1580	e1540	e1120	1360	1290	347	148
20	494	398	843	397	1020	1540	e1500	e1270	900	1170	304	142
21	494	413	689	380	2510	1450	e1470	e1250	976	1120	294	187
22	487	321	867	299	4960	1430	e1430	e1300	1070	936	225	357
23	322	291	906	249	3360	1400	1390	e1280	1060	697	221	277
24	226	277	3220	228	1890	1360	1430	e1290	895	641	205	196
25	219	270	2870	211	943	1320	11000	e1270	513	501	185	171
26	302	219	1360	185	906	1210	e6000	e1300	335	359	189	165
27	428	180	1210	177	1410	1130	e3520	e1250	881	325	204	170
28	2970	170	1320	169	1350	1210	e2400	e1260	992	309	276	175
29	2650	167	1290	338	---	880	e2000	e1220	888	278	199	156
30	1240	168	1180	1460	---	599	e1800	1190	1110	268	191	149
31	991	---	1670	751	---	547	---	1020	---	259	209	---
TOTAL	22490	17077	32998	28389	35786	42376	72796	43020	23495	36253	15825	5782
MEAN	725	569	1064	916	1278	1367	2427	1388	783	1169	510	193
MAX	2970	1000	3220	2310	4960	2910	12200	2000	1520	3120	1660	381
MIN	219	167	153	169	364	547	198	1000	231	259	185	142
CFSM	2.12	1.66	3.11	2.68	3.74	4.00	7.10	4.06	2.29	3.42	1.49	0.56
IN.	2.45	1.86	3.59	3.09	3.89	4.61	7.92	4.68	2.56	3.94	1.72	0.63

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2003, BY WATER YEAR (WY)

MEAN	162	304	556	811	1006	1079	953	530	280	245	170	179
MAX	725	942	1569	2314	3160	2295	2427	1977	1275	1169	510	820
(WY)	2003	1993	1983	1998	1990	1979	2003	1991	1983	2003	2003	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1969 - 2003	
ANNUAL TOTAL	185881		376287			
ANNUAL MEAN	509		1031		520	
HIGHEST ANNUAL MEAN					1031	2003
LOWEST ANNUAL MEAN					123	2000
HIGHEST DAILY MEAN	3360	Jan 25	12200	Apr 8	18700	Feb 16 1990
LOWEST DAILY MEAN	37	Sep 19	142	Sep 20	19	Nov 9 1981
ANNUAL SEVEN-DAY MINIMUM	39	Sep 13	147	Sep 14	22	Nov 13 1981
MAXIMUM PEAK FLOW			20300	Apr 7	22800	Feb 16 1990
MAXIMUM PEAK STAGE			22.25a	Apr 7	22.65	Feb 16 1990
ANNUAL RUNOFF (CFSM)	1.49		3.01		1.52	
ANNUAL RUNOFF (INCHES)	20.22		40.93		20.67	
10 PERCENT EXCEEDS	1360		1680		1360	
50 PERCENT EXCEEDS	275		906		207	
90 PERCENT EXCEEDS	50		202		59	

e Estimated
a From flood mark.

02476600 OKATIBBEE CREEK AT ARUNDEL, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.64	8.41	4.59	13.98	7.72	10.77	5.81	---	7.36	15.30	4.85	4.59
2	7.64	8.08	4.55	10.65	7.90	10.90	5.36	---	---	14.67	4.68	4.56
3	7.01	7.93	4.50	10.23	7.73	10.78	5.22	---	---	9.80	4.58	4.72
4	7.62	7.02	5.37	10.54	6.61	10.65	5.17	---	---	9.74	5.33	5.42
5	6.85	8.31	9.15	10.45	5.80	10.70	5.14	---	---	10.63	5.14	4.70
6	7.87	8.66	6.68	10.25	6.56	12.25	5.09	---	---	14.89	5.16	4.51
7	7.11	7.34	6.91	10.05	9.61	9.39	---	---	---	9.87	---	4.71
8	6.80	7.95	7.04	9.94	8.15	9.80	---	---	---	10.73	---	4.36
9	6.46	7.95	7.01	9.88	7.74	10.35	---	---	---	10.58	---	4.27
10	6.04	7.79	10.27	9.41	8.38	9.63	---	---	4.70	9.91	---	4.27
11	6.75	8.34	10.77	9.19	8.58	9.85	---	---	4.66	9.45	---	4.12
12	5.61	7.06	7.65	9.54	9.11	10.14	---	---	5.29	9.15	7.78	4.09
13	5.14	7.18	10.77	9.55	9.35	11.83	---	---	5.57	8.00	9.74	4.07
14	4.97	6.91	9.86	9.47	7.44	15.56	---	---	9.53	10.45	9.50	4.12
15	8.91	6.99	9.10	9.40	6.84	12.75	---	---	7.56	8.92	6.21	4.10
16	8.29	7.15	8.82	9.35	13.17	9.99	---	---	10.41	8.85	5.41	4.00
17	6.97	6.80	8.66	8.54	9.50	10.44	---	---	7.36	8.98	5.08	4.01
18	6.73	6.64	8.33	7.98	8.26	11.23	---	---	10.63	9.74	4.80	4.01
19	6.49	6.08	7.76	6.40	8.67	11.47	---	---	9.92	9.58	5.23	4.05
20	6.34	5.94	7.93	5.94	8.77	11.29	---	---	7.79	9.03	5.08	4.00
21	6.35	6.00	7.24	5.87	13.50	10.92	---	---	8.14	8.84	4.99	4.25
22	6.31	5.60	8.03	5.47	17.85	10.84	---	---	8.57	7.96	4.62	5.34
23	5.55	5.43	8.20	5.19	16.29	10.70	9.73	---	8.53	6.86	4.59	4.94
24	5.04	5.35	15.46	5.05	12.53	10.54	9.87	---	7.76	6.61	4.48	4.42
25	4.99	5.31	15.28	4.93	8.64	10.39	18.76	---	6.04	5.98	4.34	4.23
26	5.47	4.99	10.28	4.75	8.46	9.90	---	---	5.24	5.37	4.37	4.19
27	6.08	4.72	9.63	4.69	10.77	9.53	---	---	7.71	5.21	4.48	4.22
28	14.33	4.63	10.15	4.63	10.53	9.87	---	---	8.22	5.12	4.93	4.27
29	14.68	4.62	10.02	5.48	---	8.36	---	---	7.73	4.95	4.44	4.11
30	9.75	4.62	9.52	10.74	---	7.08	---	9.14	8.74	4.89	4.37	4.06
31	8.62	---	11.44	7.52	---	6.84	---	8.34	---	4.83	4.50	---
MEAN	7.21	6.66	8.74	8.23	9.45	10.48	---	---	---	8.87	---	4.36
MAX	14.68	8.66	15.46	13.98	17.85	15.56	---	---	---	15.30	---	5.42
MIN	4.97	4.62	4.50	4.63	5.80	6.84	---	---	---	4.83	---	4.00

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 mi^2.

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 NGVD of 1929. Prior to Jan. 6, 1939, National Weather Service nonrecording gage. Prior to Oct. 1, 1966, at datum 5.00 ft higher.

REMARKS.--Estimated daily discharges: Feb. 24, 26-28 and May 23-29. Records good except for estimated daily discharges, which are poor. Flow from 154 mi^2 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 29	0400	12,800	27.12	Apr. 27	0230	25,600	34.57
Dec. 26	0730	10,200	25.10	Jul. 2	1030	11,300	25.96
Feb. 24	----	34,400	[a]38.22	Jul. 6	2030	12,400	26.80
Apr. 9	0100	*54,200	*[a]43.05				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	856	3530	540	7390	2400	3980	914	2840	978	7210	615	661
2	1040	1970	525	6670	1860	3300	763	2550	724	10900	605	509
3	1110	1680	512	5590	1650	2920	792	2510	903	9300	501	534
4	3600	1840	621	4070	1460	2700	785	2890	940	6570	640	700
5	3730	2000	2560	2800	1200	2580	762	2520	697	4980	724	606
6	3850	4000	2530	2470	1220	3820	795	2250	693	10400	651	469
7	2460	3250	1540	2270	3100	4440	7250	2110	1110	9520	1790	492
8	1630	2460	1260	2150	3310	3590	36500	3690	887	7480	2340	417
9	1350	1800	1130	2090	2370	3110	45400	3670	631	6170	1860	382
10	1150	1580	2390	1990	2210	2520	23100	2710	496	4180	1390	356
11	1910	2320	4230	1800	2390	2270	8350	2220	483	2660	967	339
12	1760	2390	2880	1810	2160	2230	5090	2210	654	3290	969	322
13	1150	1750	3500	1780	2040	2500	4000	2090	983	2210	2670	316
14	859	1370	4020	1750	1760	5220	3280	1910	3420	4020	3180	360
15	2240	1270	2930	1720	1450	5040	2910	1540	3130	3560	1540	383
16	2890	1420	2100	1690	4300	3510	2680	1240	2830	2330	833	338
17	1820	1300	1770	1580	4800	2820	2510	1230	2670	1890	659	304
18	1320	1120	1570	1400	3640	3580	2370	1660	3860	3390	565	289
19	1090	1000	1430	1170	2430	3830	2250	2040	3870	2770	550	282
20	969	977	2360	955	2060	4270	2150	1810	2630	1920	683	275
21	926	1090	2160	934	4780	3510	2070	1770	1810	1740	527	290
22	945	916	1610	899	11700	2680	1990	1750	1610	2110	516	653
23	881	803	1520	813	17200	2420	1910	e1760	1440	2200	411	724
24	680	746	6310	755	e28000	2270	1960	e1710	1290	2110	384	578
25	632	712	9230	731	13500	2140	8140	e1660	951	1470	361	428
26	766	677	9910	705	e5450	2000	21500	e1610	651	885	356	371
27	1260	606	7680	694	e4480	1750	23000	e1560	1570	693	381	346
28	7580	580	4510	679	e4510	1800	11800	e1510	4050	608	441	369
29	12300	567	2840	849	---	1650	5120	e1450	3080	575	502	350
30	9800	557	2330	3620	---	1160	3690	1390	2500	571	511	318
31	6200	---	3580	3420	---	1060	---	1280	---	566	603	---
TOTAL	78754	46281	92078	67244	137430	90670	233831	63140	51541	118278	28725	12761
MEAN	2540	1543	2970	2169	4908	2925	7794	2037	1718	3815	927	425
MAX	12300	4000	9910	7390	28000	5220	45400	3690	4050	10900	3180	724
MIN	632	557	512	679	1200	1060	762	1230	483	566	356	275
CFSM	2.77	1.68	3.24	2.36	5.35	3.19	8.49	2.22	1.87	4.16	1.01	0.46
IN.	3.19	1.88	3.73	2.72	5.57	3.67	9.48	2.56	2.09	4.79	1.16	0.52

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2003, BY WATER YEAR (WY)

MEAN	310	655	1359	2053	2690	2796	2506	1204	550	623	355	307
MAX	2540	4011	7012	6699	9250	6415	7794	5644	2200	4494	1518	1903
(WY)	2003	1949	1962	1998	1990	1980	2003	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1938 - 2003	
ANNUAL TOTAL	500441		1020733			
ANNUAL MEAN	1371		2797		1277	
HIGHEST ANNUAL MEAN					2797	2003
LOWEST ANNUAL MEAN					311	2000
HIGHEST DAILY MEAN	12300	Oct 29	45400	Apr 9	58500	Feb 23 1961
LOWEST DAILY MEAN	56	Sep 8	275	Sep 20	18	Sep 25 1954
ANNUAL SEVEN-DAY MINIMUM	58	Sep 6	309	Sep 15	18	Sep 24 1954
MAXIMUM PEAK FLOW			54200	Apr 9	61700	Feb 23 1961
MAXIMUM PEAK STAGE			43.05a	Apr 9	43.05	Apr 9 2003
INSTANTANEOUS LOW FLOW			268	Sep 21	18	Sep 25 1954
ANNUAL RUNOFF (CFSM)	1.49		3.05		1.39	
ANNUAL RUNOFF (INCHES)	20.28		41.36		18.89	
10 PERCENT EXCEEDS	3560		5060		3170	
50 PERCENT EXCEEDS	766		1790		481	
90 PERCENT EXCEEDS	88		521		95	

e Estimated
a From flood mark.

02477000 CHICKASAWHAY RIVER AT ENTERPRISE, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.60	14.50	6.74	22.15	11.74	15.57	8.09	13.01	8.48	21.14	7.22	7.39
2	8.11	10.64	6.68	20.99	10.31	13.99	7.59	12.39	7.87	25.61	7.18	6.79
3	8.29	9.93	6.63	18.94	9.74	13.09	7.69	12.29	8.23	24.25	6.75	6.89
4	14.61	10.35	7.03	15.73	9.24	12.54	7.67	13.12	8.36	20.71	7.31	7.54
5	15.00	10.76	12.29	12.78	8.55	12.25	7.59	12.33	7.52	17.72	7.63	7.17
6	15.27	15.62	12.25	11.91	8.61	15.15	7.71	11.73	7.48	25.03	7.35	6.61
7	11.87	13.87	10.0	11.38	13.46	16.57	20.10	11.40	8.92	24.34	10.67	6.71
8	9.68	11.94	9.20	11.06	14.01	14.68	37.88	14.91	8.19	22.30	11.96	6.37
9	8.97	10.31	8.79	10.89	11.64	13.53	41.05	14.86	7.28	20.05	10.88	6.20
10	8.43	9.76	11.87	10.64	11.23	12.12	33.07	12.76	6.73	15.98	9.72	6.07
11	10.44	11.63	16.11	10.12	11.71	11.52	22.82	11.66	6.67	12.66	8.45	5.97
12	10.05	11.81	13.03	10.16	11.08	11.43	17.94	11.65	7.35	14.00	8.41	5.88
13	8.41	10.24	14.46	10.08	10.76	12.08	15.60	11.38	8.49	11.65	12.68	5.85
14	7.61	9.25	15.65	10.00	10.02	18.20	13.95	10.99	14.33	15.64	13.77	6.08
15	11.23	8.98	13.16	9.91	9.22	17.83	13.11	10.16	13.68	14.61	10.07	6.20
16	12.98	9.42	11.30	9.86	16.20	14.48	12.50	9.33	13.02	11.93	8.00	5.97
17	10.19	9.07	10.55	9.57	17.32	12.88	12.24	9.30	12.68	10.96	7.38	5.78
18	8.88	8.59	10.11	9.07	14.78	14.66	11.92	10.39	15.30	14.22	7.02	5.69
19	8.25	8.24	9.72	8.46	11.80	15.21	11.65	11.27	15.32	12.88	6.96	5.64
20	7.92	8.16	11.86	7.88	10.83	16.21	11.44	10.76	12.58	11.01	7.47	5.60
21	7.80	8.52	11.43	7.82	16.71	14.48	11.26	10.67	10.78	10.60	6.86	5.69
22	7.85	8.00	10.21	7.73	26.21	12.55	11.09	10.64	10.33	11.44	6.81	7.34
23	7.67	7.65	9.97	7.48	29.99	11.95	10.91	---	9.94	11.64	6.34	7.63
24	7.07	7.46	19.81	7.30	---	11.61	11.03	---	9.46	11.44	6.21	7.07
25	6.91	7.35	24.20	7.23	27.37	11.30	21.95	---	8.39	9.92	6.09	6.42
26	7.32	7.23	24.81	7.15	---	10.99	32.40	---	7.35	8.18	6.06	6.14
27	8.70	6.97	22.42	7.11	---	10.43	33.24	---	9.69	7.51	6.19	6.01
28	20.51	6.88	16.69	7.06	---	10.56	25.92	---	15.71	7.19	6.48	6.13
29	26.72	6.83	12.85	7.54	---	10.22	17.97	---	13.56	7.06	6.76	6.03
30	24.68	6.80	11.54	14.67	---	8.86	14.90	9.76	12.31	7.04	6.79	5.86
31	20.06	---	14.45	14.27	---	8.56	---	9.44	---	7.03	7.16	---
MEAN	11.26	9.56	12.77	10.87	---	13.08	17.08	---	10.20	14.38	8.02	6.36
MAX	26.72	15.62	24.81	22.15	---	18.20	41.05	---	15.71	25.61	13.77	7.63
MIN	6.91	6.80	6.63	7.06	---	8.56	7.59	---	6.67	7.03	6.06	5.60

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 mi^2.

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

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

REMARKS.--Estimated daily discharges: Oct. 27, 31 and Nov. 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 25	0215	5,600	22.21	Jun. 20	1330	5,990	23.16
Feb. 27	1000	4,560	19.54	Jul. 1	2215	*7,270	*26.21
Jun. 14	1000	4,430	19.22	Jul. 6	1545	6,350	24.05

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1950	e2490	381	3590	1420	2400	449	1900	343	6040	915	302
2	830	e2480	359	3300	1300	1590	422	675	288	6610	947	283
3	433	e2190	340	2770	940	1340	398	537	282	5190	467	243
4	394	e1500	327	2410	718	1110	382	457	514	4550	1750	208
5	434	1270	1300	2340	631	975	369	433	527	4890	968	183
6	482	2020	1560	1990	688	1540	363	559	644	6180	495	157
7	404	1850	1410	1210	1950	2880	995	434	819	5810	500	148
8	377	1750	1350	974	1800	2060	2670	345	864	4700	749	134
9	356	1620	1140	870	1680	1440	3460	296	773	3590	983	125
10	310	1070	1350	818	1540	1260	3200	423	573	2270	836	123
11	406	1510	2110	759	1330	1040	2910	628	423	1150	520	121
12	448	2040	1790	696	1100	874	3090	475	1210	1370	376	114
13	599	1900	2000	637	907	1060	2980	346	1760	1570	371	107
14	542	1590	2180	595	752	2980	1290	317	4260	1050	664	110
15	565	1380	2000	567	766	2800	757	324	3450	1560	973	109
16	957	1270	1720	540	3090	1640	633	282	3090	1930	906	107
17	838	1000	1440	519	2570	1550	556	275	2270	1900	674	107
18	980	829	1070	502	1910	1560	496	535	1300	1370	454	101
19	1010	717	929	484	1700	1390	449	450	1080	1040	371	94
20	657	818	1190	466	1540	1270	411	1110	5600	892	303	87
21	423	1540	1150	459	1700	1010	378	2750	4320	657	269	85
22	339	1460	1160	456	3440	849	350	1810	1480	715	245	120
23	274	1130	1130	445	3490	735	329	1680	804	1600	220	128
24	244	883	4530	427	3400	664	307	1820	623	1240	199	335
25	219	674	5250	402	3620	618	590	1760	529	876	180	510
26	236	571	4680	387	4130	577	896	1170	427	623	185	319
27	e1450	508	4740	382	4490	543	1130	1090	411	482	193	243
28	2260	463	4800	381	3910	518	1500	1160	446	394	281	198
29	2010	424	4870	384	---	496	2190	841	460	341	226	169
30	1830	404	4360	860	---	480	2660	560	694	330	342	141
31	e2150	---	3250	1340	---	466	---	426	---	379	312	---
TOTAL	24407	39351	65866	31960	56512	39715	36610	25868	40264	71299	16874	5211
MEAN	787	1312	2125	1031	2018	1281	1220	834	1342	2300	544	174
MAX	2260	2490	5250	3590	4490	2980	3460	2750	5600	6610	1750	510
MIN	219	404	327	381	631	466	307	275	282	330	180	85
CFSM	1.60	2.67	4.32	2.10	4.10	2.60	2.48	1.70	2.73	4.67	1.11	0.35
IN.	1.85	2.98	4.98	2.42	4.27	3.00	2.77	1.96	3.04	5.39	1.28	0.39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2003, BY WATER YEAR (WY)

MEAN	212	421	810	1395	1433	1602	1333	651	399	319	164	219
MAX	945	1852	2125	3497	4046	3445	4431	3155	1465	2300	660	1315
(WY)	1976	1980	2003	1998	1990	1983	1980	1991	1991	2003	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1972 - 2003	
ANNUAL TOTAL	274738		453937			
ANNUAL MEAN	753		1244		744	
HIGHEST ANNUAL MEAN					1388	1980
LOWEST ANNUAL MEAN					240	2000
HIGHEST DAILY MEAN	5250	Dec 25	6610	Jul 2	11700	Mar 7 1979
LOWEST DAILY MEAN	14	Sep 13	85	Sep 21	3.4	Sep 6 2000
ANNUAL SEVEN-DAY MINIMUM	16	Sep 8	99	Sep 15	3.7	Oct 24 2000
MAXIMUM PEAK FLOW			7270	Jul 1	12200	Mar 6 1979
MAXIMUM PEAK STAGE			26.21	Jul 1	34.90	Mar 6 1979
INSTANTANEOUS LOW FLOW			83	Sep 21	3.3	Sep 6 2000
ANNUAL RUNOFF (CFSM)	1.53		2.53		1.51	
ANNUAL RUNOFF (INCHES)	20.77		34.32		20.56	
10 PERCENT EXCEEDS	2010		2980		2020	
50 PERCENT EXCEEDS	404		829		307	
90 PERCENT EXCEEDS	35		272		41	

e Estimated

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 mi^2.

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

REMARKS.--Estimated daily discharges: August 10,11,12. 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 ft^3/s, from information by U.S. Army Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 15,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 4	0545	15,200	22.51	Mar. 9	0000	16,500	23.25
Dec. 29	0115	19,300	24.77	Apr. 16	1930	*27,000	*27.53
Feb. 24	2000	15,100	22.43	May 3	0415	16,700	23.34
Mar. 2	1645	23,000	26.35	Jul. 6	0115	26,800	27.46

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9360	12500	2820	18800	6220	22200	3430	14800	3790	14300	3210	3000
2	6670	13600	2840	18300	7820	22900	3140	16200	3550	19100	3530	2890
3	4050	14700	2770	17800	7190	21800	2930	16300	3390	21300	3640	2870
4	2690	14800	2730	17600	5800	16200	2720	10700	3300	23900	3370	2590
5	3180	10900	2910	17100	4540	10300	2520	6230	3220	26000	3660	2310
6	6090	8260	4030	16000	3840	8080	2480	5170	3170	26300	3870	2150
7	7270	9380	5230	13900	3860	10800	2410	4870	3130	24900	3540	2150
8	6770	10400	5960	9700	6790	15800	4970	4650	3170	23900	4390	2310
9	5850	9570	6340	7360	8580	16000	12000	4390	3550	23100	6210	2090
10	4420	7870	6470	6590	8470	13300	15000	4210	3610	21200	e6680	1880
11	4540	5950	6670	6160	7530	10300	16800	4280	3230	19300	e5660	1780
12	3970	7380	7240	5730	6620	8180	18300	4420	2990	16900	e3930	1620
13	3720	8900	8060	5180	5890	6970	20200	4370	4540	13200	3860	1580
14	3800	8960	8860	4740	5200	9130	22000	4170	9050	10300	5410	2390
15	4030	7650	9460	4460	4520	12400	24400	3950	12100	8340	6610	2000
16	4740	6550	9930	4310	4670	13400	26500	3850	14600	7850	7190	1570
17	6140	5950	10200	4090	8810	12800	21300	3790	14400	10000	7620	1450
18	6740	5130	9800	3890	10500	12200	9550	4480	12600	9090	6670	1370
19	5670	4410	8270	3740	10500	11000	5640	6720	9220	6960	4360	1310
20	4710	4040	8410	3540	9730	9670	4840	5960	7140	6560	3420	1230
21	3680	4860	7400	3370	8270	8970	4420	6890	10700	6750	3740	1170
22	2660	6140	6410	3170	9620	8650	4150	9690	14100	5990	3260	1200
23	2170	5950	6150	2830	12800	8230	3900	10600	12900	6290	2830	1650
24	1930	4960	10800	2600	14600	7170	3700	8280	7110	8040	2470	2250
25	1820	4250	16600	2480	15900	5920	3740	6420	5000	9010	2210	2620
26	1860	3630	18200	2360	17000	5200	4240	5670	4400	7070	2000	2440
27	2760	3300	19000	2230	19500	4870	6640	5220	3760	5640	2170	2230
28	7520	3110	19300	2170	21100	4660	8390	4940	3480	4210	2270	1930
29	9840	2940	19300	2150	---	4410	10400	4820	3430	3320	3560	1650
30	10600	2820	19000	2150	---	3940	12600	4580	5110	3010	2980	1390
31	11800	---	18900	3180	---	3830	---	4180	---	2890	2800	---
TOTAL	161050	218860	290060	217680	255870	329280	283310	204800	193740	394720	127120	59070
MEAN	5195	7295	9357	7022	9138	10620	9444	6606	6458	12730	4101	1969
MAX	11800	14800	19300	18800	21100	22900	26500	16300	14600	26300	7620	3000
MIN	1820	2820	2730	2150	3840	3830	2410	3790	2990	2890	2000	1170
MED	4540	6340	8060	4310	8040	9670	5300	4940	4100	9090	3640	1960
CFSM	1.93	2.71	3.48	2.61	3.40	3.95	3.51	2.46	2.40	4.73	1.52	0.73
IN.	2.23	3.03	4.01	3.01	3.54	4.55	3.92	2.83	2.68	5.46	1.76	0.82

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2003, BY WATER YEAR (WY)

MEAN	1097	1871	4000	5873	7327	8550	7552	4137	2089	2041	1353	1286
MAX	5195	8146	18990	18120	23450	19890	26650	18310	6774	14390	6439	6115
(WY)	2003	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1938 - 2003	
ANNUAL TOTAL	1505409		2735560			
ANNUAL MEAN	4124		7495		3914	
HIGHEST ANNUAL MEAN					7710	1949
LOWEST ANNUAL MEAN					1252	2000
HIGHEST DAILY MEAN	19300	Dec 28	26500	Apr 16	72600	Feb 28 1961
LOWEST DAILY MEAN	297	Sep 13	1170	Sep 21	162	Oct 30 1963
ANNUAL SEVEN-DAY MINIMUM	312	Sep 8	1330	Sep 16	166	Oct 25 1963
MAXIMUM PEAK FLOW			27000	Apr 16	73600	Feb 28 1961
MAXIMUM PEAK STAGE			27.53	Apr 16	33.52	Feb 28 1961
INSTANTANEOUS LOW FLOW			1160	Sep 21,22	160	Oct 30 1963
ANNUAL RUNOFF (CFSM)	1.53		2.79		1.45	
ANNUAL RUNOFF (INCHES)	20.82		37.83		19.77	
10 PERCENT EXCEEDS	10300		16400		10500	
50 PERCENT EXCEEDS	2820		5730		1860	
90 PERCENT EXCEEDS	450		2380		481	

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 mi^2.

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 NGVD of 1929. Prior to Dec. 6, 1934, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: December 25-30 and July 16,17. 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 3	1100	32,000	18.55	Mar. 16	0700	30,100	18.04
Dec. 28	----	unknown	unknown	Apr. 12	2300	36,400	19.59
Jan. 2	1200	46,800	21.52	Jun. 17	0100	30,100	18.04
Feb. 28	2100	*75,900	*24.33	Jul. 4	1600	63,600	23.83
Mar. 9	1200	40,000	20.31				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31100	30800	5720	44000	10800	73300	7800	16400	5910	33000	7900	5650
2	25500	31400	5630	46500	15100	66800	7200	17300	5460	49300	7510	5730
3	16600	31700	5520	45000	16000	57100	6750	18300	5670	60100	7610	5540
4	11800	28800	5400	42100	14600	45500	6410	17900	7350	63200	8490	5140
5	12300	26700	5670	38900	11900	34100	6120	12000	7270	61900	8560	4840
6	14400	24800	9590	35000	9620	22800	5970	8300	6520	58200	10400	4420
7	16300	24500	14700	30400	9300	22600	6160	7600	7430	54400	9300	4160
8	16100	26400	15800	24400	14600	33600	12700	7130	8750	51000	9360	4080
9	14700	26700	14600	17200	19300	39400	25100	6590	8740	47000	11600	4120
10	13100	23700	13200	13400	19700	37000	31300	6270	7800	42000	13100	3830
11	14300	19300	16300	12100	18300	29800	34100	6820	6570	36900	12800	4080
12	12900	20500	18800	11500	16900	21700	35900	7120	5790	31800	10600	3750
13	12000	23500	20300	10700	15100	17500	35300	6600	6200	26900	10600	3460
14	12100	23500	22000	9950	13200	21700	32100	6000	14400	21600	14200	5240
15	12400	21700	22600	9400	11400	28100	30500	5790	23300	17500	14600	5180
16	13500	18700	21500	9010	11800	29900	31000	6360	29000	e16000	13700	3850
17	12100	16100	19900	8660	19100	29600	30800	7600	29900	e15200	16900	3380
18	12600	13900	17400	8370	23400	29400	26200	9570	29100	15800	19900	3160
19	12400	11600	14500	8100	24400	28200	16100	13200	25600	14200	14000	2970
20	11000	10000	17800	7830	23600	25200	9360	13800	19700	12200	8990	2820
21	9950	12100	18200	7540	21600	22500	7900	15600	16600	13200	8340	2700
22	7920	13800	15600	7270	24100	20700	7310	19600	20500	12700	8830	2940
23	6210	12900	14100	6980	30300	18700	6880	21000	24300	13300	7050	5350
24	5410	11000	21300	6750	36600	16200	6520	18000	20100	16900	6070	6580
25	5000	9540	e36500	6550	43100	13200	6840	13100	12700	19500	5360	6090
26	5460	8320	e47000	6350	50200	11300	8140	10700	9430	19200	4780	5350
27	9650	7330	e52400	6150	63400	10700	9800	9810	7890	15800	4570	4820
28	17800	6660	e52900	5970	74300	10100	12600	8630	11200	12300	4900	4350
29	29500	6190	e50000	5890	---	9330	14800	8150	10700	8800	5290	3820
30	30500	5870	e45100	5960	---	8850	15800	7420	13200	8390	5950	3380
31	30000	---	41500	6590	---	8300	---	6590	---	7770	5370	---
TOTAL	454600	548010	681530	504520	661720	843180	493460	339250	407080	876060	296630	130780
MEAN	14660	18270	21980	16270	23630	27200	16450	10940	13570	28260	9569	4359
MAX	31100	31700	52900	46500	74300	73300	35900	21000	29900	63200	19900	6580
MIN	5000	5870	5400	5890	9300	8300	5970	5790	5460	7770	4570	2700
CFSM	2.23	2.77	3.34	2.47	3.59	4.13	2.50	1.66	2.06	4.29	1.45	0.66
IN.	2.57	3.09	3.85	2.85	3.74	4.76	2.79	1.92	2.30	4.95	1.67	0.74

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2003, BY WATER YEAR (WY)

MEAN	3251	5150	10230	15290	18510	20580	18430	10560	5438	5488	4057	3758
MAX	14660	21640	45210	45510	58660	47600	70770	49960	18580	34250	11500	15110
(WY)	2003	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1931 - 2003	
ANNUAL TOTAL	3807240		6236820			
ANNUAL MEAN	10430		17090		10020	
HIGHEST ANNUAL MEAN					19410	1949
LOWEST ANNUAL MEAN					2921	2000
HIGHEST DAILY MEAN	52900	Dec 28	74300	Feb 28	176000	Feb 27 1961
LOWEST DAILY MEAN	1040	Sep 14	2700	Sep 21	648	Oct 30 2000
ANNUAL SEVEN-DAY MINIMUM	1090	Sep 9	3120	Sep 16	656	Oct 25 2000
MAXIMUM PEAK FLOW			75900	Feb 28	178000	Feb 27 1961
MAXIMUM PEAK STAGE			24.33	Feb 28	30.66	Feb 27 1961
INSTANTANEOUS LOW FLOW			2660	Sep 21	647	Aug 25 2000
ANNUAL RUNOFF (CFSM)	1.58		2.59		1.52	
ANNUAL RUNOFF (INCHES)	21.49		35.21		20.66	
10 PERCENT EXCEEDS	24600		34500		24900	
50 PERCENT EXCEEDS	7140		13100		5110	
90 PERCENT EXCEEDS	1560		5500		1590	

e Estimated

02479000 PASCAGOULA RIVER AT MERRILL, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.32	18.24	6.49	21.07	9.75	24.12	8.34	12.84	6.63	18.86	8.73	7.19
2	16.63	18.40	6.43	21.47	12.18	23.59	7.93	13.31	6.30	22.32	8.52	7.24
3	12.95	18.47	6.35	21.23	12.67	22.71	7.63	13.80	6.45	23.51	8.57	7.09
4	10.40	17.68	6.25	20.72	11.91	21.28	7.39	13.61	7.62	23.80	9.05	6.79
5	10.67	17.06	6.45	20.08	10.46	19.02	7.18	10.47	7.58	23.68	9.07	6.55
6	11.80	16.45	9.04	19.29	9.10	15.68	7.07	8.26	7.07	23.33	10.01	6.21
7	12.81	16.36	12.00	18.11	8.89	15.59	7.21	7.81	7.70	22.97	9.46	5.99
8	12.70	16.98	12.57	16.28	11.88	18.92	10.95	7.49	8.55	22.62	9.50	5.92
9	11.99	17.04	11.91	13.23	14.27	20.19	16.49	7.12	8.55	22.07	10.59	5.94
10	11.12	16.07	11.18	11.26	14.49	19.70	18.37	6.89	7.94	21.22	11.29	5.70
11	11.78	14.26	12.80	10.54	13.80	17.93	19.11	7.28	7.10	20.04	11.13	5.90
12	11.00	14.78	14.04	10.20	13.10	15.27	19.48	7.48	6.54	18.61	10.09	5.61
13	10.48	15.99	14.76	9.76	12.19	13.41	19.35	7.13	6.83	17.10	10.09	5.35
14	10.56	16.01	15.46	9.29	11.18	15.28	18.58	6.70	11.69	15.25	11.77	6.78
15	10.73	15.34	15.67	8.96	10.13	17.45	18.14	6.54	15.91	13.39	11.94	6.74
16	11.33	14.00	15.26	8.72	10.38	17.99	18.28	6.96	17.73	---	11.54	5.67
17	10.58	12.70	14.59	8.50	14.18	17.89	18.22	7.80	17.98	---	13.11	5.26
18	10.85	11.57	13.33	8.31	15.97	17.83	16.88	9.06	17.75	12.57	14.57	5.06
19	10.71	10.29	11.89	8.13	16.32	17.51	12.68	11.14	16.69	11.80	11.68	4.88
20	9.90	9.33	13.57	7.96	16.04	16.55	9.24	11.49	14.46	10.84	9.29	4.73
21	9.29	10.53	13.75	7.77	15.31	15.64	8.40	12.45	12.94	11.31	8.96	4.61
22	8.01	11.50	12.43	7.58	16.18	14.92	8.01	14.45	14.76	11.08	9.22	4.83
23	6.85	11.00	11.67	7.39	18.08	13.98	7.72	15.08	16.26	11.37	8.21	6.80
24	6.26	9.92	14.83	7.23	19.61	12.74	7.47	13.66	14.61	13.12	7.53	7.71
25	5.95	9.04	---	7.09	20.90	11.27	7.69	11.09	10.87	14.39	7.00	7.36
26	6.29	8.28	---	6.95	21.96	10.27	8.55	9.76	8.98	14.23	6.56	6.80
27	9.09	7.63	---	6.80	23.28	9.98	9.49	9.21	7.99	12.54	6.39	6.39
28	13.40	7.17	---	6.68	24.20	9.68	10.95	8.48	10.00	10.92	6.64	6.01
29	17.87	6.84	---	6.62	---	9.24	12.05	8.17	9.76	9.20	6.93	5.57
30	18.14	6.60	---	6.67	---	8.79	12.55	7.68	11.07	8.99	7.42	5.17
31	18.00	---	20.60	7.11	---	8.65	---	7.11	---	8.66	6.98	---
MEAN	11.50	13.18	---	11.32	14.59	15.91	12.05	9.69	10.81	---	9.41	6.06
MAX	18.32	18.47	---	21.47	24.20	24.12	19.48	15.08	17.98	---	14.57	7.71
MIN	5.95	6.60	---	6.62	8.89	8.65	7.07	6.54	6.30	---	6.39	4.61

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 mi^2.

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 NGVD of 1929 (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 ft^3/s.

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

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 28	1800	4,790	15.14	Mar. 7	1030	4,480	14.58
Dec. 24	1330	5,920	17.03	Apr. 8	2200	4,830	15.21
Feb. 27	1030	5,150	15.76	Jul. 2	0300	*11,400	*21.80

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	632	956	398	2700	463	1510	372	311	299	9230	501	559
2	465	894	393	1650	401	1190	353	297	290	10300	565	409
3	508	661	377	1210	367	921	341	288	322	6430	985	340
4	1900	813	382	942	410	820	335	297	503	2790	1940	304
5	1030	1410	997	780	383	767	328	286	368	1900	899	322
6	773	1700	1030	675	437	1060	349	272	316	1820	559	238
7	597	1390	797	601	1170	4080	383	266	617	1640	434	240
8	415	1130	661	551	925	3220	2900	258	515	1610	411	227
9	357	904	532	525	779	2030	3960	252	407	2170	405	205
10	402	682	1020	512	776	1420	2110	245	384	1330	352	312
11	491	717	1290	497	612	990	1430	239	311	1010	285	319
12	432	1510	803	470	490	957	996	236	300	1020	263	244
13	373	1130	1030	441	443	2290	703	237	444	806	280	242
14	303	923	917	422	401	2660	598	250	758	809	404	362
15	422	753	733	407	411	2030	528	258	1780	841	393	286
16	366	791	616	394	2560	1550	480	259	1870	554	328	249
17	279	629	527	379	1670	1680	442	262	1360	446	1710	212
18	242	534	479	365	1220	1430	411	275	1190	440	632	190
19	222	483	516	356	903	1210	384	346	677	609	447	179
20	208	574	882	354	700	945	365	410	503	534	410	170
21	204	936	835	372	1400	802	352	779	863	710	596	197
22	206	714	624	378	2640	730	339	1040	702	696	461	1600
23	203	574	696	347	2120	619	324	692	595	1400	341	1330
24	201	489	5290	323	2200	550	349	438	496	1400	282	653
25	203	445	3890	314	1640	504	701	356	488	743	247	444
26	1580	426	3050	314	1200	474	695	493	435	486	233	313
27	1990	409	1850	312	4520	470	561	1150	420	386	239	264
28	3830	390	1250	308	2370	449	437	698	1320	344	213	287
29	2820	376	900	312	---	417	366	451	1360	323	210	284
30	1800	378	753	467	---	456	332	368	2120	541	260	211
31	1260	---	2030	553	---	417	---	326	---	537	328	---
TOTAL	24714	23721	35548	18231	33611	38648	22224	12335	22013	53855	15613	11192
MEAN	797	791	1147	588	1200	1247	741	398	734	1737	504	373
MAX	3830	1700	5290	2700	4520	4080	3960	1150	2120	10300	1940	1600
MIN	201	376	377	308	367	417	324	236	290	323	210	170
CFSM	2.25	2.23	3.23	1.66	3.38	3.51	2.09	1.12	2.07	4.89	1.42	1.05
IN.	2.59	2.49	3.73	1.91	3.52	4.05	2.33	1.29	2.31	5.64	1.64	1.17

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2003, BY WATER YEAR (WY)

MEAN	328	438	720	1025	1024	1065	973	622	451	398	297	311
MAX	1142	944	2141	2417	2304	2025	3968	2355	1378	1737	866	896
(WY)	1986	1987	1972	1993	1990	1980	1983	1991	2001	2003	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1971 - 2003	
ANNUAL TOTAL	212856		311705			
ANNUAL MEAN	583		854		636	
HIGHEST ANNUAL MEAN					998	1980
LOWEST ANNUAL MEAN					159	2000
HIGHEST DAILY MEAN	6190	Sep 27	10300	Jul 2	32200	Apr 8 1983
LOWEST DAILY MEAN	90	Sep 14	170	Sep 20	32	Aug 25 2000
ANNUAL SEVEN-DAY MINIMUM	95	May 22	207	Oct 19	36	Sep 30 2000
MAXIMUM PEAK FLOW			11400	Jul 2	42500	Apr 7 1983
MAXIMUM PEAK STAGE			21.80	Jul 2	29.96	Apr 7 1983
ANNUAL RUNOFF (CFSM)	1.64		2.41		1.79	
ANNUAL RUNOFF (INCHES)	22.30		32.66		24.34	
10 PERCENT EXCEEDS	1240		1790		1380	
50 PERCENT EXCEEDS	390		503		345	
90 PERCENT EXCEEDS	113		261		116	

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

LOCATION.--Lat 31°01'32", long 89°00'51", in NE1/4 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 mi^2.

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 NGVD of 1929, from topographic map.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 1, 1959, reached a stage of 32.06 ft, discharge, 16,700 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 28	1400	2,260	20.21	Apr. 8	2100	1,260	16.19
Dec. 24	1800	2,550	20.87	Jul. 1	0730	*7,190	*26.22
Feb. 27	1400	1,320	16.53				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	140	55	480	64	189	43	24	21	4590	77	92
2	27	109	49	239	54	150	38	23	19	537	54	75
3	62	96	44	167	50	121	36	22	183	372	59	47
4	330	179	44	135	60	124	35	56	357	206	81	34
5	141	303	115	120	59	115	34	42	140	248	47	39
6	70	308	102	109	59	149	34	29	75	240	32	39
7	42	150	64	96	171	507	109	22	263	255	45	39
8	30	103	52	91	103	286	959	19	382	330	61	36
9	26	85	47	89	68	222	656	17	150	183	27	30
10	85	76	239	87	81	186	215	16	75	124	19	28
11	185	140	261	84	73	121	142	15	52	92	15	25
12	91	669	132	73	56	100	109	15	59	80	15	23
13	56	248	236	65	50	254	86	14	76	64	26	38
14	86	139	170	62	47	378	71	17	206	53	73	144
15	375	131	106	61	48	201	60	17	349	49	40	72
16	224	163	88	60	173	137	52	16	304	42	123	45
17	105	116	77	58	126	250	47	16	206	62	435	27
18	65	86	67	56	74	206	43	41	126	46	204	23
19	45	75	168	55	61	183	38	52	82	37	115	21
20	42	123	343	55	54	121	36	183	106	84	101	20
21	36	274	162	54	211	92	35	331	195	88	180	22
22	37	148	112	54	438	77	33	335	215	76	120	196
23	34	100	125	52	192	68	29	128	105	389	80	231
24	35	81	1750	49	114	61	30	58	58	225	57	87
25	36	70	677	50	91	55	135	35	43	97	44	54
26	220	60	229	51	190	52	132	77	31	49	37	42
27	468	53	183	47	1110	64	65	373	59	34	34	36
28	1370	48	162	45	337	57	40	140	162	30	30	34
29	1130	47	148	46	---	47	32	62	85	70	41	27
30	407	49	138	95	---	72	28	37	853	154	62	23
31	201	---	401	88	---	56	---	26	---	67	99	---
TOTAL	6095	4369	6546	2873	4214	4701	3402	2258	5037	8973	2433	1649
MEAN	197	146	211	92.7	150	152	113	72.8	168	289	78.5	55.0
MAX	1370	669	1750	480	1110	507	959	373	853	4590	435	231
MIN	26	47	44	45	47	47	28	14	19	30	15	20
CFSM	3.74	2.77	4.01	1.76	2.86	2.88	2.16	1.38	3.19	5.50	1.49	1.04
IN.	4.31	3.09	4.63	2.03	2.98	3.32	2.41	1.60	3.56	6.35	1.72	1.17

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2003, BY WATER YEAR (WY)

MEAN	42.1	61.2	114	156	157	174	150	88.8	55.3	50.9	40.6	51.7
MAX	287	236	265	442	417	383	637	558	296	289	131	229
(WY)	1986	1980	1972	1993	1990	1980	1983	1991	1989	2003	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1967 - 2003	
ANNUAL TOTAL	33446.4		52550			
ANNUAL MEAN	91.6		144		94.9	
HIGHEST ANNUAL MEAN					175	1980
LOWEST ANNUAL MEAN					22.8	2000
HIGHEST DAILY MEAN	1750	Dec 24	4590	Jul 1	8820	Apr 7 1983
LOWEST DAILY MEAN	4.7	Sep 13	14	May 13	2.8	Oct 4 2000
ANNUAL SEVEN-DAY MINIMUM	5.2	Sep 10	16	May 10	3.0	Sep 29 2000
MAXIMUM PEAK FLOW			7190	Jul 1	13000	Apr 4 1979
MAXIMUM PEAK STAGE			26.22	Jul 1	29.51	Apr 7 1983
INSTANTANEOUS LOW FLOW			14	May 13a	2.7	Oct 4 2000
ANNUAL RUNOFF (CFSM)	1.74		2.74		1.80	
ANNUAL RUNOFF (INCHES)	23.65		37.16		24.50	
10 PERCENT EXCEEDS	226		279		194	
50 PERCENT EXCEEDS	37		75		36	
90 PERCENT EXCEEDS	6.8		29		9.7	

a Also occurred on May 17 and Aug. 12.

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 mi^2.

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 NGVD of 1929. Prior to 1978 water year, at datum 0.05 ft lower.

REMARKS.--No estimated daily discharges. Records good. 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 ft^3/s, based on peak data at sites upstream and downstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 7,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 29	2130	12,200	22.28	Apr. 10	1230	7,580	19.54
Dec. 26	0830	9,910	21.21	Jul. 2	1030	*16,000	*23.48
Feb. 28	2230	7,740	19.68				

DISCHARGE, CUBIC FEET PER SECOND. WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1810	2660	876	6100	1080	5960	853	631	486	8990	1430	1140
2	1100	2090	873	6060	921	2950	773	589	441	15600	1690	1190
3	1220	1800	836	3370	825	2290	733	558	706	14000	2780	870
4	3730	1620	819	2510	877	1900	710	549	1870	12600	4170	1200
5	3580	2590	1070	2100	898	1740	694	622	1450	9000	3620	1060
6	2020	3840	1900	1800	802	1600	682	558	912	4850	1860	895
7	1560	2950	1560	1580	1360	4140	966	500	931	4040	1360	715
8	1280	2270	1290	1430	1920	6150	4720	474	2170	5000	1140	628
9	1020	1880	1130	1340	1450	5800	6790	450	1380	4360	958	560
10	1100	1600	2060	1280	1310	3810	7330	428	841	3510	862	509
11	2070	1560	3220	1210	1340	2570	4110	408	700	2620	752	635
12	1600	5020	2190	1150	1070	1920	2460	392	657	2280	660	601
13	1210	3960	2190	1080	915	3510	1830	385	729	2090	679	527
14	989	2370	2340	1030	837	5710	1450	401	1280	1780	843	1260
15	1360	1870	1730	991	782	5410	1260	423	3250	1750	903	1060
16	1950	2140	1420	956	1800	3500	1130	425	4540	1610	789	690
17	1220	1880	1240	925	3760	3390	1040	411	3680	1320	2360	552
18	880	1470	1100	889	2310	3550	965	570	2300	1180	3190	474
19	740	1260	1460	860	1710	2850	895	890	1690	1160	1480	428
20	668	1220	3060	838	1370	2350	836	915	1160	1280	994	399
21	626	2440	2180	831	1520	1810	793	1550	1620	1460	2540	386
22	607	2080	1660	844	4640	1530	759	2160	1640	1460	2180	1240
23	586	1520	1370	828	4630	1360	714	1690	1300	2340	1240	4100
24	569	1270	5120	771	3210	1190	671	1030	1010	3400	891	2310
25	568	1120	8230	736	2940	1080	1060	718	919	2200	731	1230
26	1060	1030	9460	728	2410	1070	1540	604	877	1440	635	869
27	4500	972	6330	721	5940	1280	1280	1490	771	1120	585	688
28	6440	918	3110	709	7330	1080	990	1700	1940	978	562	622
29	10400	870	2340	701	---	952	808	1000	2230	917	546	604
30	11300	849	1910	774	---	951	697	698	4560	1430	754	545
31	6260	---	3610	1160	---	981	---	561	---	2020	937	---
TOTAL	74023	59119	77684	46302	59957	84384	49539	23780	48040	117785	44121	27987
MEAN	2388	1971	2506	1494	2141	2722	1651	767	1601	3800	1423	933
MAX	11300	5020	9460	6100	7330	6150	7330	2160	4560	15600	4170	4100
MIN	568	849	819	701	782	951	671	385	441	917	546	386
CFSM	3.41	2.81	3.57	2.13	3.05	3.88	2.36	1.09	2.28	5.42	2.03	1.33
IN.	3.93	3.14	4.12	2.46	3.18	4.48	2.63	1.26	2.55	6.25	2.34	1.49

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2003, BY WATER YEAR (WY)

MEAN	646	891	1420	2017	2075	2246	2056	1275	898	798	624	691
MAX	2574	2354	4218	4909	5288	3986	7713	5400	2376	3800	1960	2277
(WY)	1976	1986	1972	1993	1990	1980	1980	1991	2001	2003	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1972 - 2003	
ANNUAL TOTAL	454574		712721			
ANNUAL MEAN	1245		1953		1299	
HIGHEST ANNUAL MEAN					2307	1980
LOWEST ANNUAL MEAN					301	2000
HIGHEST DAILY MEAN	11300	Oct 30	15600	Jul 2	39800	Apr 9 1983
LOWEST DAILY MEAN	130	Sep 15	385	May 13	65	Aug 27 2000
ANNUAL SEVEN-DAY MINIMUM	139	Sep 11	406	May 11	68	Oct 29 2000
MAXIMUM PEAK FLOW			16000	Jul 2	43900	Apr 8 1983
MAXIMUM PEAK STAGE			23.48	Jul 2	28.81	Apr 8 1983
INSTANTANEOUS LOW FLOW			379	Sep 21	63	Aug 27 2000
ANNUAL RUNOFF (CFSM)	1.78		2.79		1.85	
ANNUAL RUNOFF (INCHES)	24.12		37.82		25.18	
10 PERCENT EXCEEDS	2620		4120		2840	
50 PERCENT EXCEEDS	774		1260		702	
90 PERCENT EXCEEDS	208		604		229	

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 mi^2.

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 NGVD of 1929.

REMARKS.-Estimated daily discharge: Oct. 1-8, 27-31, Nov. 12-14 and Feb. 22-24. 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 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 29	unknown	8,150	[a]15.41	Mar. 16	0800	4,170	14.08
Nov. 14	0730	5,150	14.30	Apr. 10	1800	5,470	14.60
Dec. 27	1130	4,610	14.27	Jul. 2	1715	*13,400	*17.15
Jan. 3	0130	4,640	14.28				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e2690	3650	650	3730	596	3410	689	390	350	8750	1050	875
2	e820	2310	656	4410	607	3270	633	372	322	13000	930	1300
3	e460	1420	643	4590	567	2990	597	360	385	11900	1470	841
4	e1000	1140	621	4070	540	1720	575	346	741	7980	1500	642
5	e1360	1020	665	2710	661	1280	555	333	853	5210	2030	1740
6	e1140	1470	801	1890	637	1120	555	321	1570	4380	1340	1030
7	e950	1740	847	1560	586	1230	555	312	3060	3970	903	1050
8	e820	1560	782	1360	703	2010	1940	303	2290	3530	822	750
9	682	1150	694	1210	793	2200	4030	294	1470	3220	779	538
10	870	921	942	1100	759	2140	5200	285	846	2360	624	633
11	1670	1250	2690	1020	691	1740	4790	276	604	1590	537	622
12	1680	e2640	3120	944	655	1270	3100	270	574	1240	492	456
13	1170	e3870	2430	876	590	1420	1580	263	1090	1050	590	382
14	798	e5160	2160	822	535	2850	1020	267	1220	903	606	540
15	725	3190	1610	771	498	3750	799	284	1490	1000	585	1230
16	824	1710	1190	727	712	4070	680	285	2010	903	512	768
17	826	1350	967	694	1190	3490	615	280	2480	765	539	499
18	711	1280	799	664	1220	2960	576	374	1800	835	813	397
19	568	1100	878	638	1230	2470	542	778	1070	821	658	345
20	473	955	2470	615	1010	1850	511	858	793	957	543	317
21	426	1280	3100	598	999	1350	492	1490	816	1190	624	308
22	399	1720	2560	582	e2610	1080	476	1900	915	854	1440	419
23	371	1390	1710	569	e3070	937	461	1790	712	825	1100	1090
24	365	1070	1960	554	e2620	848	443	1270	581	2030	631	1560
25	364	905	3470	539	2300	784	445	791	514	2270	472	1110
26	837	824	4300	526	1850	734	482	563	542	1160	401	622
27	e2100	765	4570	515	2350	898	622	719	490	782	365	473
28	e7300	716	3870	506	3070	1140	559	657	544	681	361	421
29	e8630	680	2260	496	---	882	462	554	887	707	380	402
30	e6570	655	1600	491	---	740	418	464	2510	738	446	351
31	e4840	---	1990	524	---	732	---	396	---	816	558	---
TOTAL	52439	48891	57005	40301	33649	57365	34402	17845	33529	86417	24101	21711
MEAN	1692	1630	1839	1300	1202	1850	1147	576	1118	2788	777	724
MAX	8630	5160	4570	4590	3070	4070	5200	1900	3060	13000	2030	1740
MIN	364	655	621	491	498	732	418	263	322	681	361	308
CFSM	3.84	3.70	4.17	2.95	2.73	4.20	2.60	1.31	2.53	6.32	1.76	1.64
IN.	4.42	4.12	4.81	3.40	2.84	4.84	2.90	1.51	2.83	7.29	2.03	1.83

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2003, BY WATER YEAR (WY)

MEAN	436	568	933	1274	1416	1432	1204	845	597	581	552	588
MAX	1801	1798	3933	3597	3478	3049	4692	4464	2159	2788	2994	2208
(WY)	1976	1962	1962	1998	1990	1961	1980	1991	1959	2003	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1958 - 2003	
ANNUAL TOTAL	331792		507655			
ANNUAL MEAN	909		1391		864	
HIGHEST ANNUAL MEAN					1492	1980
LOWEST ANNUAL MEAN					200	2000
HIGHEST DAILY MEAN	11100	Sep 28	13000	Jul 2	25100	Aug 16 1987
LOWEST DAILY MEAN	124	Sep 15	263	May 13	63	Oct 27 2000
ANNUAL SEVEN-DAY MINIMUM	131	Sep 11	275	May 11	63	Oct 26 2000
MAXIMUM PEAK FLOW			13400	Jul 2	28000	Aug 15 1987
MAXIMUM PEAK STAGE			17.15	Jul 2	21.48	Aug 15 1987
INSTANTANEOUS LOW FLOW			261	May 13	62	Oct 29 2000
ANNUAL RUNOFF (CFSM)	2.06		3.15		1.96	
ANNUAL RUNOFF (INCHES)	27.99		42.82		26.63	
10 PERCENT EXCEEDS	2110		3080		1870	
50 PERCENT EXCEEDS	478		837		462	
90 PERCENT EXCEEDS	152		402		176	

e Estimated
a From flood mark.

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 mi^2.

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

GAGE.--Water-stage recorder and Acoustic Velocity meter. Datum of gage is NGVD of 1929.

REMARKS.--Estimated daily discharges: Dec. 5,6, Mar. 30, May 11-17, Jun. 2-4, Aug. 5-7, 15-18, 28-31, and Sept. 1-15, 17-23, 28-30. Records good above 8,000 ft^3/s and fair below 8,000 ft^3/s except for estimated daily discharges, which are poor. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge 204,000 ft^3/s, Feb. 28, 1961, gage height, 20.1 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 42,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 1	0730	52,600	15.63	Mar. 2	2230	*71,300	*16.28
Dec. 29	2030	60,500	15.98	Jul. 6	1030	69,000	16.22

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43900	52500	9540	59400	8310	59200	10800	13600	8430	22700	11700	e6670
2	40000	51700	8910	58900	10600	69000	10400	14300	e7000	38400	11200	e7070
3	35900	49300	8370	58900	13700	70400	9960	14900	e6900	53300	10900	e7340
4	30100	45700	8150	58900	15600	68000	9500	15500	e6400	60600	10700	e7400
5	24000	41900	e7990	58800	16200	64000	9090	16200	8650	66800	e11100	e7200
6	20900	39300	e7900	58000	16000	59400	8690	16200	10400	68700	e11600	e7100
7	20000	37400	10300	56100	15200	52900	8330	14400	13900	67400	e12600	e7080
8	20200	35900	14100	53500	14200	40400	8320	11900	15400	63800	12800	e6850
9	20300	34800	16400	49900	14500	35100	12300	10200	15200	59800	12600	e6600
10	19700	33900	17300	43600	18000	33800	18000	8680	14200	55600	12300	e6400
11	19700	33300	17500	33500	20600	35500	23800	e7400	12100	50800	12200	e6300
12	19700	32800	19400	24900	21500	36500	28200	e7300	9780	46400	12100	e6200
13	19700	32500	23300	20600	21600	35700	30600	e7100	8390	41000	11800	e6000
14	18700	33200	26500	17700	21300	33400	31400	e7000	8860	36300	11700	e5800
15	17300	34400	27700	15600	20600	30200	31300	e6500	12800	31100	e12100	e7700
16	16200	35100	28200	14200	19100	28900	30800	e6300	17900	26300	e12500	8400
17	16000	34400	28600	13500	17900	30000	30100	e6600	22600	22800	e12600	e7000
18	15900	31500	28800	12900	18500	31800	29400	8600	26800	20300	e13100	e5800
19	15500	26800	28400	12200	22400	31900	28900	10500	29200	18900	14800	e5200
20	15000	21800	27600	11600	26200	31400	27900	13500	29500	17800	15000	e4700
21	14100	17900	26900	11200	28000	30500	22800	15500	28800	16700	14400	e4800
22	13000	16200	26900	10900	28900	29200	16200	17900	25400	15700	13200	e5000
23	11300	16600	27100	10600	29300	27900	12700	21000	22500	15200	12500	e5700
24	10000	17100	26900	10300	31100	26200	10600	23400	22200	15000	11800	8930
25	8270	16900	26800	9920	34500	24200	9610	23600	22100	16200	10800	10200
26	7890	15300	30900	9580	37800	21000	9000	20200	19700	18200	9100	10500
27	10300	13400	43100	9280	42100	15800	8970	16100	15200	19400	8210	9230
28	14600	12000	56200	8990	48800	14000	9940	13700	12200	19000	e7700	e8700
29	23400	10800	60200	8710	---	13200	11300	12200	12100	17400	e6600	e6500
30	39900	10100	60200	8510	---	e11800	12500	11100	14700	14800	e5800	e5700
31	50700	---	59800	8350	---	11400	---	9530	---	12700	e6500	---
TOTAL	652160	884500	809960	839040	632510	1102700	521410	400910	479310	1049100	352010	208070
MEAN	21040	29480	26130	27070	22590	35570	17380	12930	15980	33840	11360	6936
MAX	50700	52500	60200	59400	48800	70400	31400	23600	29500	68700	15000	10500
MIN	7890	10100	7900	8350	8310	11400	8320	6300	6400	12700	5800	4700
CFSM	2.56	3.59	3.18	3.30	2.75	4.34	2.12	1.58	1.95	4.13	1.38	0.85
IN.	2.96	4.01	3.67	3.80	2.87	5.00	2.36	1.82	2.17	4.76	1.60	0.94

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2003, BY WATER YEAR (WY)

MEAN	5987	7878	11790	17890	21460	27890	15190	8708	8406	8258	4615	5061
MAX	21040	29480	26130	56210	40350	49610	25440	25690	20330	33840	11360	16360
(WY)	2003	2003	2003	1998	1994	2001	1994	1997	1997	2003	2003	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1994 - 2003	
ANNUAL TOTAL	4969410		7931680			
ANNUAL MEAN	13610		21730		12300	
HIGHEST ANNUAL MEAN					21730	2003
LOWEST ANNUAL MEAN					3751	2000
HIGHEST DAILY MEAN	60200	Dec 29	70400	Mar 3	118000	Mar 9 2001
LOWEST DAILY MEAN	1780	Sep 14	4700	Sep 20	936	Nov 1 2000
ANNUAL SEVEN-DAY MINIMUM	1930	Sep 11	5460	Sep 17	969	Oct 29 2000
MAXIMUM PEAK FLOW			71300	Mar 2	123000	Mar 9 2001
MAXIMUM PEAK STAGE			16.28	Mar 2	17.56	Mar 9 2001
INSTANTANEOUS LOW FLOW			7210a	Aug 27	234	Oct 29 2000
ANNUAL RUNOFF (CFSM)	1.66		2.65		1.50	
ANNUAL RUNOFF (INCHES)	22.53		35.97		20.37	
10 PERCENT EXCEEDS	30500		44600		30300	
50 PERCENT EXCEEDS	9540		16200		6900	
90 PERCENT EXCEEDS	2280		7580		2050	

e Estimated
a Minimum observed flow. Flow was less during periods of estimation.

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 46.00 ft above sea level.

REMARKS.--Estimated daily discharges: Dec. 26-29. Records good.

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 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4530	4110	494	5200	694	5520	643	514	480	9360	1510	1790
2	2080	2750	471	5500	667	4860	605	410	421	10600	1250	1970
3	1240	1920	452	4500	620	3300	574	350	924	8530	1010	1650
4	1080	1460	438	3690	605	2260	551	408	1080	7310	1160	1300
5	944	1880	548	2840	644	1880	538	464	1610	7400	1650	1300
6	810	2430	808	2170	670	1630	522	460	2680	7360	1480	1030
7	830	2180	847	1730	684	2010	561	448	5750	5870	1870	1050
8	1150	1820	761	1470	712	2830	2310	477	4550	4600	1330	1190
9	997	1740	671	1300	737	3250	4480	514	2770	4060	1470	830
10	727	1520	1250	1190	758	3840	4800	439	1900	2820	1390	644
11	1190	1890	2800	1090	772	3910	3890	319	1570	2170	1430	565
12	1850	3470	2210	1020	748	2950	3010	265	1480	1800	1240	487
13	1860	5120	2670	953	679	2940	2150	238	1400	1480	1110	460
14	1810	4650	2850	897	612	4250	1610	228	2610	1260	1280	1770
15	1800	3260	2360	859	565	4450	1200	229	4180	1200	1280	2680
16	2520	2520	1870	829	710	3490	886	307	4060	1140	1100	2050
17	2700	2140	1530	791	955	2930	715	378	3090	1180	1070	1430
18	1880	1670	1210	749	984	3220	622	723	3110	1330	956	1190
19	1310	1250	1080	721	846	3060	557	1630	3970	1710	1090	896
20	1050	990	3340	698	713	2560	507	2310	3890	1670	1340	646
21	961	1190	3380	685	896	2160	473	3530	2910	1430	1860	500
22	1120	1670	2520	672	2430	1810	462	5730	3470	1530	1850	716
23	901	1710	2390	654	3040	1530	439	6190	2790	2380	1790	1150
24	699	1480	4040	624	2670	1260	418	5940	1860	3580	1720	1130
25	573	1290	6000	608	2360	1040	438	4970	1700	3360	1430	988
26	774	1040	e5400	601	2160	896	504	2900	1530	2300	1000	850
27	2480	826	e4700	587	4510	820	532	1900	1370	1660	783	733
28	5500	678	e3600	571	5700	788	608	1380	3350	1350	677	624
29	6160	564	e2800	564	---	759	614	968	2960	1170	1160	508
30	6260	511	2340	581	---	735	596	707	3720	1160	1580	425
31	5580	---	2910	655	---	683	---	569	---	1230	1660	---
TOTAL	63366	59729	68740	44999	38141	77621	35815	45895	77185	104000	41526	32552
MEAN	2044	1991	2217	1452	1362	2504	1194	1480	2573	3355	1340	1085
MAX	6260	5120	6000	5500	5700	5520	4800	6190	5750	10600	1870	2680
MIN	573	511	438	564	565	683	418	228	421	1140	677	425
CFSM	3.64	3.54	3.95	2.58	2.42	4.46	2.12	2.63	4.58	5.97	2.38	1.93
IN.	4.19	3.95	4.55	2.98	2.52	5.14	2.37	3.04	5.11	6.88	2.75	2.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2003, BY WATER YEAR (WY)

MEAN	598	850	1169	1734	1911	2092	1615	1220	797	704	567	747
MAX	3528	2587	2597	4452	4280	4383	5986	6818	2573	3355	2675	2386
(WY)	1999	1980	1983	1998	1990	1979	1983	1991	2003	2003	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1974 - 2003	
ANNUAL TOTAL	360602		689569			
ANNUAL MEAN	988		1889		1163	
HIGHEST ANNUAL MEAN					1922	1980
LOWEST ANNUAL MEAN					307	2000
HIGHEST DAILY MEAN	8800	Sep 28	10600	Jul 2	26800	Sep 30 1998
LOWEST DAILY MEAN	76	Jun 19	228	May 14	62	Aug 31 2000
ANNUAL SEVEN-DAY MINIMUM	80	Jun 14	281	May 11	66	Oct 27 2000
MAXIMUM PEAK FLOW					27800	Sep 30 1998
MAXIMUM PEAK STAGE					22.81	Sep 30 1998
ANNUAL RUNOFF (CFSM)	1.76		3.36		2.07	
ANNUAL RUNOFF (INCHES)	23.87		45.64		28.12	
10 PERCENT EXCEEDS	2500		4140		2690	
50 PERCENT EXCEEDS	506		1310		605	
90 PERCENT EXCEEDS	98		519		176	

e Estimated

0248018020 ESCATAWPA RIVER AT I-10 NEAR ORANGE GROVE, MS

LOCATION.--Lat 30°27'31", long 88°27'07", in SE¼ sec.2, T.7 S., R.5 W., St. Stephens Meridian, Jackson County, Hydrologic Unit 03170008, at U.S. Interstate 10 bridge about 2.5 mi north of Orange Grove, 5 mi northeast of Moss Point, and about 10.5 mi upstream of the confluence with the Pascagoula River.

DRAINAGE AREA.--972 mi^2.

PERIOD OF DAILY RECORD.--
DISCHARGE: August 2001 to current year.
SPECIFIC CONDUCTANCE: August 2001 to current year.
WATER TEMPERATURE: September 2001 to current year.

INSTRUMENTATION.--Water-stage recorder and acoustic velocity meter. Datum of gage is NGVD of 1929. Water-quality monitor since August 2001.

REMARKS.--Discharge records fair. Specific conductance records good. Water temperature records good. Interruptions in the record were due to malfunction of the instruments.

EXTREMES FOR WATER YEAR 2002.--
DISCHARGE: Maximum discharge 17,600 ft^3/s, Sept. 27, maximum gage height, 10.04 ft, Sept. 27.
SPECIFIC CONDUCTANCE: Maximum recorded, 25,900 microsiemens, Nov. 2, but may have been higher during periods of instrument malfunction; minimum recorded, 26 microsiemens, Mar. 26, 27, but may have been lower during periods of instrument malfunction.
WATER TEMPERATURE: Maximum recorded, 30.2°C, July 21, but may have been higher during periods of instrument malfunction; minimum recorded, 6.7°C, Jan. 4, 5, but may have been lower during periods of instrument malfunction.

EXTREMES FOR WATER YEAR 2003.--
DISCHARGE: Maximum discharge 18,700 ft^3/s, July 2, maximum gage height, 10.16 ft, July 2.
SPECIFIC CONDUCTANCE: Maximum recorded, 56 microsiemens, May 17, but may have been higher during periods of instrument malfunction; minimum recorded, 21 microsiemens, July 3, but may have been lower during periods of instrument malfunction.
WATER TEMPERATURE: Maximum recorded, 28.0°C, Aug. 19, but may have been higher during periods of instrument malfunction; minimum recorded, 7.5°C, Jan. 19, but may have been lower during periods of instrument malfunction.

SELECTED RUNOFF EVENTS, 2002 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
03-26	0900	4.54	4030	08-05	1300	5.90	1240	09-26	0000	6.07	2600
03-26	1100	4.53	3770	08-05	1600	5.78	1920	09-26	0400	7.06	3100
03-26	1300	4.52	3640	08-05	1900	5.58	2140	09-26	0800	8.05	4890
03-26	1500	4.57	4180	08-05	2200	5.35	2580	09-26	1200	8.66	8120
03-26	1700	4.66	3730	08-06	0000	5.17	2890	09-26	1600	9.00	10100
03-26	1900	4.85	4200	08-06	0300	5.16	2210	09-26	2000	9.27	11800
03-26	2100	4.93	3940	08-06	0600	5.33	1990	09-27	0000	9.58	14000
03-26	2300	4.99	4070	08-06	0900	5.63	1630	09-27	0300	9.80	15500
03-27	0100	4.98	4000	08-06	1200	5.72	2440	09-27	0600	9.94	15700
03-27	0300	4.95	4710	08-06	1500	5.58	2420	09-27	0900	10.02	16800
03-27	0500	4.86	4630	08-06	1800	5.30	2860	09-27	1200	9.99	15700
03-27	0700	4.76	4870	08-06	2100	4.86	3250	09-27	1300	10.04	16000
03-27	0900	4.68	4690	08-07	0000	4.51	3580	09-27	1400	9.96	16700
03-27	0930	4.65	4250	08-07	0300	4.66	2650	09-27	1415	9.95	17600
03-27	0945	4.64	4530	08-07	0600	4.92	2380	09-27	1430	9.96	15900
03-27	1000	4.65	4830	08-07	0900	5.29	1740	09-27	1445	9.97	15800
03-27	1015	4.61	4960	08-07	1200	5.51	1860	09-27	1500	9.89	17100
03-27	1030	4.61	4700	08-07	1500	5.38	2360	09-27	1800	9.90	16000
03-27	1045	4.59	4420	08-07	1800	5.11	2880	09-27	2100	9.82	15200
03-27	1100	4.60	4780	08-07	2100	4.64	3340	09-28	0100	9.69	14700
03-27	1300	4.59	4460	08-07	2200	4.41	3650	09-28	0500	9.54	15300
03-27	1500	4.62	3820	08-07	2300	4.21	3450	09-28	0900	9.52	14100
03-27	1700	4.57	4040	08-07	2315	4.18	3580	09-28	1500	9.23	13200
03-27	1900	4.58	4210	08-07	2330	4.13	3660	09-28	2000	8.98	12900
03-27	2100	4.71	3790	08-07	2345	4.10	3760	09-29	0200	8.85	12800
03-27	2300	4.83	3910	08-08	0000	4.06	3420	09-29	1200	8.65	11300
				08-08	0015	4.03	3350	09-29	2200	8.32	10600
				08-08	0030	4.01	3410				
				08-08	0045	4.00	3440				
				08-08	0100	3.98	3620				
				08-08	0400	4.35	2790				
				08-08	0700	4.72	2110				
				08-08	1000	5.10	1650				
				08-08	1300	5.42	1330				
				08-08	1600	5.36	1770				
				08-08	1900	5.15	2010				
				08-08	2200	4.76	2540				

0248018020 ESCATAWPA RIVER AT I-10 NEAR ORANGE GROVE, MS--Continued

SELECTED RUNOFF EVENTS, 2003 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
10-30	1945	5.97	5500	12-27	0945	6.09	6430	06-30	1030	6.01	2520
10-30	2045	6.03	5620	12-27	1345	6.05	6050	06-30	1230	6.21	2700
10-30	2145	6.07	5570	12-27	1745	6.14	5570	06-30	1430	6.35	3360
10-30	2245	6.12	6300	12-27	2145	6.27	5860	06-30	1630	6.60	3450
10-30	2345	6.17	5650	12-28	0245	6.35	6020	06-30	1830	6.81	4020
10-31	0045	6.21	5840	12-28	0645	6.49	6080	06-30	2030	7.04	5000
10-31	0145	6.25	5710	12-28	1045	6.42	6250	06-30	2230	7.27	5730
10-31	0245	6.29	5870	12-28	1445	6.22	5960	07-01	0030	7.50	7210
10-31	0345	6.33	5750	12-28	1845	6.35	5710	07-01	0130	7.66	7250
10-31	0445	6.38	5840	12-28	2245	6.40	5820	07-01	0230	7.82	8440
10-31	0545	6.48	6080	12-29	0445	6.41	5680	07-01	0330	7.96	8500
10-31	0645	6.52	5920	12-29	0845	6.32	5330	07-01	0430	8.13	9580
10-31	0745	6.54	6450	12-29	1245	6.15	5430	07-01	0530	8.25	10500
10-31	0845	6.60	5710	12-29	1645	6.13	5400	07-01	0630	8.33	10200
10-31	0945	6.63	6390	12-29	2045	6.16	5130	07-01	0730	8.51	11300
10-31	1045	6.65	5980	12-29	2245	6.24	5200	07-01	0830	8.64	11700
10-31	1145	6.63	6910	12-30	0245	6.24	5230	07-01	0930	8.70	11700
10-31	1245	6.59	6350	12-30	0445	6.19	5470	07-01	1030	8.89	12700
10-31	1345	6.55	6040	12-30	0645	6.15	5530	07-01	1100	8.84	13200
10-31	1445	6.59	5710	12-30	0845	6.12	5210	07-01	1130	8.97	13300
10-31	1545	6.55	6060	12-30	1045	6.10	5340	07-01	1200	9.03	13400
10-31	1645	6.59	6300	12-30	1245	5.97	5270	07-01	1230	9.07	13300
10-31	1745	6.61	5670	12-30	1445	5.91	5190	07-01	1300	9.17	15100
10-31	1845	6.64	6540	12-30	1645	5.88	5370	07-01	1330	9.22	14600
10-31	1945	6.69	6860	12-30	1845	5.90	4720	07-01	1400	9.28	14700
10-31	2045	6.67	5960	12-30	2045	5.93	4760	07-01	1430	9.36	14500
10-31	2145	6.66	6820	12-30	2245	5.90	4440	07-01	1500	9.33	15200
10-31	2245	6.74	6470	12-31	0245	5.90	4560	07-01	1530	9.39	14900
10-31	2345	6.74	6490	12-31	0445	5.83	4210	07-01	1600	9.48	15300
11-01	0045	6.74	6320	12-31	0845	6.04	4800	07-01	1630	9.46	15400
11-01	0145	6.74	6590	12-31	1045	6.10	5030	07-01	1700	9.49	15900
11-01	0245	6.75	5900	12-31	1245	6.06	5060	07-01	1730	9.66	15800
11-01	0345	6.76	6200	12-31	1445	6.00	5350	07-01	1800	9.63	16200
11-01	0445	6.82	6050	12-31	1645	6.09	5380	07-01	1830	9.71	15900
11-01	0545	6.85	6190	12-31	1845	6.25	5180	07-01	1900	9.73	15900
11-01	0645	6.91	5940	12-31	2045	6.44	5310	07-01	1930	9.80	16400
11-01	0745	6.92	5670	12-31	2245	6.64	5730	07-01	2000	9.80	16100
11-01	0845	6.95	6490	01-01	0245	6.77	6030	07-01	2030	9.86	16800
11-01	0945	6.95	5960	01-01	0445	6.88	6130	07-01	2100	9.87	16500
11-01	1045	6.90	6560	01-01	0645	6.87	6020	07-01	2130	9.88	17400
11-01	1145	6.91	5760	01-01	0845	6.96	6310	07-01	2200	9.93	17100
11-01	1200	6.88	6680	01-01	1045	7.02	6720	07-01	2230	9.94	16800
11-01	1215	6.89	6210	01-01	1245	6.96	6950	07-01	2300	10.02	17000
11-01	1230	6.86	5920	01-01	1445	6.91	6750	07-01	2330	10.00	17300
11-01	1245	6.82	5880	01-01	1645	6.97	6900	07-02	0000	10.04	17400
11-01	1300	6.87	7230	01-01	1845	7.06	6660	07-02	0100	10.09	18100
11-01	1315	6.83	6330	01-01	2045	7.01	6590	07-02	0200	10.05	17200
11-01	1330	6.84	6490	01-01	2245	7.08	6620	07-02	0300	10.14	17300
11-01	1345	6.80	5870	01-02	0045	7.01	6720	07-02	0400	10.12	17600
11-01	1400	6.84	6560	01-02	0145	7.03	7210	07-02	0500	10.12	16900
11-01	1415	6.85	6070	01-02	0245	7.09	6450	07-02	0600	10.13	17400
11-01	1430	6.82	5900	01-02	0345	7.08	7210	07-02	0700	10.16	17400
11-01	1445	6.83	5530	01-02	0445	7.02	6110	07-02	0800	10.10	18700
11-01	1545	6.84	6190	01-02	0545	7.01	6240	07-02	0900	10.05	16800
11-01	1645	6.86	6020	01-02	0645	7.02	6980	07-02	1000	10.07	16200
11-01	1745	6.87	5950	01-02	0745	6.98	5840	07-02	1100	10.03	16200
11-01	1845	6.85	6120	01-02	0800	6.98	6550	07-02	1200	10.12	18000
11-01	1945	6.89	5630	01-02	0815	6.95	6660	07-02	1300	10.08	17100
11-01	2045	6.87	5700	01-02	0830	6.96	6420	07-02	1315	10.09	18500
11-01	2145	6.89	6160	01-02	0845	6.92	6620	07-02	1415	10.04	16700
11-01	2245	6.90	6110	01-02	0900	6.90	7270	07-02	1515	10.00	17000
11-01	2345	6.84	5860	01-02	0915	6.91	6190	07-02	1600	10.00	16300
11-02	0145	6.85	5740	01-02	0930	6.90	6790	07-02	1700	10.01	16800
11-02	0445	6.88	6200	01-02	0945	6.88	6080	07-02	1800	9.98	15900
11-02	0845	6.87	5250	01-02	1000	6.88	6230	07-02	1900	9.98	16300
11-02	1245	6.76	5350	01-02	1015	6.85	6090	07-02	2000	9.90	15100
11-02	1645	6.66	5170	01-02	1030	6.85	6090	07-02	2200	9.86	15600
11-02	2245	6.66	4820	01-02	1045	6.84	6510	07-03	0000	9.87	17400
				01-02	1245	6.67	5790	07-03	0400	9.79	16400
				01-02	1445	6.59	5760	07-03	1000	9.67	14900
				01-02	1845	6.65	6030	07-03	2306	9.62	15500
				01-02	2245	6.69	5650	07-04	0906	9.56	15800
				01-03	0445	6.69	5650	07-04	2106	9.29	13900
				01-03	1245	6.57	5820	07-05	0906	8.98	12700
				01-03	2045	6.50	5650	07-05	2106	8.51	10400
				01-04	0645	6.71	5810	07-06	0906	8.48	11500
				01-04	1445	6.46	5780	07-06	2106	8.18	9740
				01-04	2245	6.42	5370	07-07	0906	7.99	9950

0248018020 ESCATAWPA RIVER AT I-10 NEAR ORANGE GROVE, MS--Continued

Specific Conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	58	47	50	22200	1660	4400	259	63	99	57	42	47
2	58	47	50	25900	2320	8230	69	48	59	57	42	45
3	357	47	95	17800	1760	6990	74	47	56	54	43	47
4	1730	184	946	12400	911	5360	74	45	53	50	44	46
5	7020	1270	2550	9370	413	4170	67	44	50	66	44	48
6	19000	1040	5160	6530	165	2560	51	43	47	71	44	49
7	5420	376	2210	4550	126	1670	56	43	46	48	45	46
8	4570	179	1740	3360	111	1170	57	44	47	47	43	45
9	5730	143	2220	1510	77	483	55	44	48	44	40	43
10	5440	---	---	346	71	161	56	46	50	42	39	41
11	5340	172	2190	228	74	124	52	45	48	40	39	39
12	8390	137	3290	1150	123	502	63	46	50	39	38	39
13	5160	115	2080	16200	442	3200	588	45	69	40	37	39
14	790	60	140	18400	1040	5070	794	48	188	41	37	39
15	65	53	59	9400	1240	4400	121	47	57	41	38	40
16	62	51	56	9830	606	4040	77	44	51	41	39	40
17	58	49	52	7760	333	2930	71	44	49	41	39	40
18	59	50	53	6770	154	2320	48	42	45	41	38	39
19	56	47	51	6260	163	2120	47	42	44	40	38	39
20	57	44	48	4580	112	1430	42	40	41	40	39	39
21	53	44	48	3210	116	1200	41	39	39	41	39	40
22	---	---	---	3190	113	1030	39	38	38	41	38	40
23	---	---	---	5920	591	2170	39	38	38	41	38	39
24	---	---	---	7540	330	2530	40	38	39	42	38	39
25	---	---	---	1160	209	515	43	40	42	40	37	39
26	---	---	---	1100	170	454	45	42	43	38	36	37
27	---	---	---	21000	190	2510	48	42	44	38	36	37
28	---	---	---	23200	717	4890	51	41	45	38	36	37
29	---	---	---	18200	1430	5200	52	42	46	39	36	38
30	---	---	---	2630	78	604	58	42	47	41	37	38
31	---	---	---	---	---	---	56	41	47	42	37	39
		FEBRUARY			MARCH			APRIL			MAY	
1	43	38	40	40	36	38	33	32	32	246	46	70
2	42	39	41	39	36	36	36	33	33	76	46	55
3	41	39	40	40	38	39	34	32	33	63	46	52
4	43	39	40	39	36	37	34	32	33	56	45	51
5	42	38	40	37	34	35	34	32	33	52	46	49
6	39	37	38	35	33	34	35	33	34	53	47	50
7	39	36	38	34	32	33	40	34	35	52	48	49
8	38	36	37	33	32	32	43	34	36	51	48	49
9	37	35	36	33	32	32	41	35	36	50	46	48
10	36	35	36	35	32	34	43	37	39	60	46	51
11	36	35	35	35	33	34	41	36	37	52	45	49
12	35	34	35	36	34	34	39	36	37	100	46	60
13	35	33	34	36	35	36	38	36	37	64	45	57
14	34	32	33	37	36	37	39	35	37	80	45	60
15	35	33	34	37	35	36	42	35	38	90	48	68
16	37	34	35	35	34	34	39	35	37	91	47	62
17	39	35	36	34	33	34	39	33	36	92	46	64
18	39	36	37	34	33	33	37	33	34	56	45	48
19	40	36	38	33	33	33	35	33	35	79	45	60
20	39	37	38	34	33	34	39	34	37	68	47	57
21	44	38	40	35	33	35	41	36	38	72	47	57
22	45	39	42	39	35	37	45	38	39	55	45	49
23	43	38	40	36	32	35	43	39	41	69	45	52
24	39	37	38	32	29	30	45	40	42	3950	51	844
25	41	37	39	30	27	29	45	42	43	14800	1620	4980
26	41	36	38	33	26	28	48	41	45	17100	1620	6760
27	41	36	39	28	26	27	49	41	44	13900	1680	8030
28	40	36	38	30	28	29	47	41	44	11800	1050	7280
29	---	---	---	31	30	30	183	42	56	9080	855	4910
30	---	---	---	32	31	31	71	44	51	1030	118	445
31	---	---	---	35	31	32	---	---	---	215	63	95

0248018020 ESCATAWPA RIVER AT I-10 NEAR ORANGE GROVE, MS--Continued

Specific Conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius--Continued
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	81	55	71	45	40	43	48	43	45	3590	262	1250
2	72	53	63	43	40	41	44	40	42	6410	295	2570
3	73	52	62	43	41	42	43	40	42	8930	336	4090
4	71	52	60	44	38	41	49	43	45	---	---	---
5	73	53	63	43	38	40	62	39	48	5850	214	3180
6	80	52	61	45	39	42	39	37	38	4960	220	2460
7	66	50	55	47	40	44	37	36	36	---	279	---
8	228	52	104	65	42	53	36	36	36	---	---	---
9	1960	53	507	62	41	49	40	36	38	---	---	---
10	5220	89	1560	84	42	58	41	37	39	---	---	---
11	3740	87	1290	105	52	68	43	38	41	---	---	---
12	2730	80	868	95	54	68	46	40	43	---	---	---
13	1090	75	314	88	54	67	47	44	45	---	---	---
14	430	69	184	69	49	57	51	46	48	---	---	---
15	288	67	144	54	45	49	59	46	50	---	---	---
16	172	72	121	48	46	47	56	46	50	---	---	---
17	102	60	87	51	47	49	62	46	52	---	---	---
18	86	59	69	55	49	52	61	46	52	---	---	---
19	61	51	56	62	50	54	58	45	51	---	---	---
20	896	51	274	83	51	62	60	44	52	---	---	---
21	2200	418	1170	80	52	62	57	44	49	---	---	---
22	4710	630	2640	130	48	69	51	43	47	---	---	---
23	8900	475	4290	127	49	72	46	40	43	---	---	---
24	9020	471	4710	111	53	70	45	41	43	---	---	---
25	7610	352	3420	80	49	61	45	42	43	---	---	---
26	3020	92	1110	59	44	49	46	43	44	39	30	34
27	219	56	111	55	41	45	48	45	46	31	29	30
28	83	46	67	44	42	43	48	46	47	31	29	30
29	55	43	48	47	42	43	48	44	45	32	31	32
30	52	42	47	46	43	45	47	43	44	32	31	31
31	---	---	---	48	45	46	590	44	88	---	---	---

WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

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

0248018020 ESCATAWPA RIVER AT I-10 NEAR ORANGE GROVE, MS--Continued

Specific Conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius--Continued
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	35	34	35	27	25	27	34	31	32	38	34	35
2	35	34	34	25	23	24	32	31	31	35	34	35
3	34	33	34	23	22	22	33	31	32	36	35	35
4	34	32	33	22	22	22	33	32	32	38	35	35
5	34	33	33	24	22	23	34	32	33	40	38	39
6	33	32	33	26	24	25	34	32	33	41	39	40
7	33	32	32	28	26	27	33	32	32	40	38	39
8	33	32	33	29	27	28	33	32	32	41	38	39
9	33	32	33	29	27	28	35	32	34	42	39	39
10	33	32	33	29	27	28	34	30	32	40	37	38
11	33	32	33	28	26	27	30	26	28	38	36	37
12	33	32	33	27	25	26	26	---	---	38	37	37
13	33	32	32	26	25	25	---	---	---	40	37	38
14	33	31	32	27	25	26	26	25	26	50	38	41
15	33	31	33	28	26	27	27	26	26	51	39	42
16	34	32	33	28	26	27	28	27	27	50	40	43
17	36	34	35	26	25	25	30	28	29	56	40	46
18	35	34	34	27	25	26	31	30	30	41	36	39
19	34	32	33	28	26	26	32	31	32	38	36	37
20	35	31	32	28	26	27	34	32	33	37	34	36
21	32	30	31	27	26	27	35	33	34	36	34	35
22	33	31	32	27	26	27	36	34	35	34	33	33
23	33	32	32	28	26	27	37	34	36	33	31	32
24	32	30	31	28	26	27	39	35	37	31	27	29
25	30	28	29	29	27	28	37	35	36	27	26	27
26	28	26	27	29	27	29	37	36	36	26	26	26
27	27	26	27	31	28	30	37	36	36	27	26	26
28	27	27	27	32	29	31	36	35	36	28	26	27
29	---	---	---	33	30	31	36	35	36	29	28	28
30	---	---	---	33	32	32	38	35	36	30	28	29
31	---	---	---	34	32	33	---	---	---	31	29	30
		JUNE			JULY			AUGUST			SEPTEMBER	
1	32	31	31	26	22	23	31	29	30	32	31	31
2	50	32	40	24	22	23	32	30	31	31	30	31
3	52	33	43	24	21	22	33	31	32	30	29	29
4	52	33	44	---	---	---	33	31	32	29	27	28
5	50	31	38	---	---	---	33	32	33	27	27	27
6	31	30	31	---	---	---	33	32	33	28	27	27
7	31	28	30	---	---	---	32	30	31	29	28	28
8	28	27	28	---	---	---	32	30	31	30	29	29
9	---	---	---	---	---	---	31	29	29	30	29	30
10	---	---	---	---	---	---	29	28	28	30	29	30
11	28	---	---	---	---	---	29	28	28	31	30	30
12	30	28	29	---	---	---	29	27	28	32	31	32
13	30	29	29	---	---	---	28	28	28	33	32	32
14	31	29	30	---	---	---	30	28	29	35	33	33
15	31	30	30	---	---	---	31	30	30	37	34	35
16	31	29	30	---	---	---	31	30	31	36	31	33
17	29	26	27	31	---	---	32	30	31	31	28	29
18	26	25	26	31	30	31	32	31	31	29	26	28
19	27	26	27	31	31	31	35	31	32	29	26	27
20	28	27	28	31	30	31	35	32	33	30	27	28
21	27	27	27	31	28	30	36	32	33	30	28	29
22	27	25	26	30	28	29	36	31	33	33	29	31
23	27	26	27	28	28	28	34	30	32	37	32	35
24	27	27	27	28	27	28	32	29	31	40	32	36
25	27	26	27	28	28	28	31	29	30	37	31	33
26	29	---	---	28	26	27	31	29	30	37	30	32
27	29	28	28	26	25	25	31	---	---	31	30	31
28	30	28	29	26	25	25	28	27	28	33	31	32
29	32	29	30	27	25	26	30	28	29	32	31	31
30	31	25	28	29	26	28	32	30	31	34	31	32
31	---	---	---	30	28	29	32	31	32	---	---	---

0248018020 ESCATAWPA RIVER AT I-10 NEAR ORANGE GROVE, MS--Continued

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	21.5	20.6	21.0	19.2	15.6	16.2	18.8	17.2	17.7	9.2	8.5	8.8
2	21.4	20.6	20.9	19.8	16.4	17.3	17.2	16.2	16.5	8.5	7.8	8.0
3	21.3	20.6	20.8	18.8	16.9	17.5	16.3	15.6	15.9	7.8	7.3	7.5
4	21.1	20.7	20.9	18.5	17.5	18.0	15.8	15.2	15.5	7.3	6.7	7.0
5	21.9	21.0	21.5	18.6	17.8	18.3	15.6	15.2	15.5	7.3	6.7	6.9
6	23.7	21.3	22.0	18.7	18.0	18.4	---	15.2	---	7.8	7.1	7.4
7	21.8	20.9	21.2	18.6	18.0	18.3	16.3	---	---	8.1	7.7	7.9
8	21.5	20.6	21.1	18.5	17.8	18.1	16.7	16.2	16.4	7.7	7.0	7.4
9	21.7	20.8	21.2	18.2	17.5	17.8	16.8	16.6	16.8	7.3	6.9	7.1
10	21.8	---	---	17.7	17.3	17.5	16.7	16.5	16.6	8.3	7.2	7.8
11	21.9	21.3	21.6	17.6	17.1	17.3	16.5	16.1	16.2	9.7	8.3	9.1
12	22.6	21.5	22.1	17.7	17.0	17.3	16.3	15.7	15.9	10.4	9.7	10.2
13	22.8	21.9	22.3	18.8	16.9	17.3	16.9	15.9	16.4	10.4	10.1	10.3
14	22.7	22.2	22.4	19.0	16.9	17.4	17.4	16.5	17.1	10.6	10.2	10.4
15	22.5	21.7	21.9	17.9	16.8	17.3	17.3	17.0	17.2	11.0	10.4	10.7
16	21.7	---	---	17.9	16.6	17.1	18.0	17.1	17.6	10.9	10.3	10.5
17	---	18.6	---	17.6	16.2	16.7	18.4	17.8	18.1	10.4	9.9	10.2
18	18.6	17.2	17.6	17.3	15.9	16.5	18.3	17.5	17.8	11.2	10.3	10.7
19	17.4	16.5	17.0	17.2	16.1	16.6	17.5	15.9	16.7	12.4	11.2	11.8
20	17.4	16.6	17.1	17.1	16.2	16.5	15.9	14.3	15.0	12.4	12.3	12.4
21	17.3	---	---	16.8	15.6	16.1	14.3	12.7	13.4	13.0	12.2	12.5
22	---	---	---	16.5	15.1	15.6	12.7	12.3	12.5	13.4	13.0	13.2
23	---	---	---	16.6	15.5	15.8	13.5	12.6	13.2	15.0	13.4	14.0
24	---	---	---	16.7	15.9	16.2	13.5	12.4	13.1	16.8	15.0	15.9
25	---	---	---	17.1	16.3	16.7	12.4	11.3	11.9	17.4	16.8	17.1
26	---	---	---	18.3	17.0	17.7	11.3	10.2	10.6	16.9	15.6	16.1
27	---	---	---	19.0	18.2	18.5	10.2	9.4	9.7	15.6	14.8	15.0
28	---	---	---	19.9	18.4	19.3	9.6	9.0	9.2	15.1	14.6	14.8
29	---	---	---	20.5	19.0	20.0	9.4	8.8	9.1	16.1	15.1	15.6
30	---	---	---	20.1	18.8	19.3	9.6	9.1	9.3	17.1	16.1	16.6
31	16.5	---	---	---	---	---	9.4	9.2	9.3	18.1	17.1	17.6
		FEBRUARY			MARCH			APRIL			MAY	
1	18.4	18.1	18.3	11.3	10.6	10.9	19.7	19.0	19.4	26.2	25.4	25.6
2	18.1	16.6	17.3	11.8	10.6	11.0	20.1	19.3	19.7	26.6	25.6	26.0
3	16.6	15.4	15.9	12.6	11.4	12.2	21.1	20.1	20.6	27.1	26.1	26.4
4	15.4	14.2	14.8	11.4	9.8	10.3	20.8	19.5	20.2	27.4	26.4	26.8
5	14.2	12.5	13.4	9.8	9.0	9.4	19.5	18.4	18.8	27.8	26.9	27.2
6	12.5	11.4	11.9	10.2	9.3	9.7	18.5	17.8	18.1	28.0	27.4	27.6
7	11.4	10.3	10.8	11.3	10.1	10.6	18.1	17.4	17.8	28.4	27.5	27.7
8	10.3	9.7	10.0	12.6	11.3	12.0	18.9	17.8	18.2	28.2	27.7	27.9
9	10.3	9.7	10.0	14.1	12.6	13.4	19.0	18.6	18.8	28.5	27.5	27.9
10	11.3	10.2	10.9	14.2	13.8	14.0	19.5	18.6	19.0	28.7	28.0	28.2
11	11.6	11.0	11.3	14.2	13.6	13.9	19.4	19.2	19.3	28.6	28.1	28.3
12	11.3	10.8	11.1	14.7	14.1	14.5	19.2	19.0	19.1	28.6	28.0	28.3
13	11.6	11.1	11.3	14.7	14.3	14.5	19.8	19.1	19.4	28.3	27.2	28.0
14	11.9	11.3	11.6	14.9	14.1	14.4	20.5	19.8	20.1	---	---	---
15	12.1	11.5	11.8	16.7	14.9	15.8	21.0	20.3	20.6	26.7	25.7	26.1
16	13.1	12.0	12.4	18.4	16.7	17.4	21.9	21.0	21.3	26.5	25.3	25.7
17	13.3	12.6	12.9	19.7	18.4	19.0	22.6	21.7	22.1	26.5	25.1	25.7
18	13.5	12.8	13.1	20.7	19.7	20.1	23.0	22.1	22.6	25.5	23.9	24.6
19	14.2	13.3	13.6	21.6	20.7	21.1	23.7	22.6	23.0	24.0	23.2	23.5
20	14.9	13.9	14.4	22.2	21.6	21.9	24.3	23.3	23.6	23.4	22.5	22.8
21	15.8	14.9	15.2	22.2	21.2	21.8	24.6	23.8	24.1	23.1	22.2	22.5
22	15.8	14.9	15.4	21.2	18.7	19.9	24.7	24.2	24.4	23.1	22.0	22.4
23	14.9	13.7	14.1	18.7	16.4	17.4	24.9	24.3	24.5	23.0	22.2	22.5
24	13.7	12.8	13.1	16.4	15.5	15.9	24.9	24.1	24.4	23.4	22.3	22.8
25	13.3	12.6	12.9	17.2	16.0	16.4	25.0	24.2	24.5	24.2	23.1	23.5
26	14.0	13.2	13.6	17.5	17.0	17.2	25.2	24.3	24.6	24.9	23.4	23.9
27	13.7	12.4	12.9	17.2	16.0	16.7	25.2	24.4	24.7	24.9	23.9	24.3
28	12.4	11.2	11.6	17.3	15.9	16.7	25.4	24.5	24.8	25.4	24.5	24.7
29	---	---	---	18.2	17.0	17.5	25.4	24.8	25.0	25.6	24.8	25.1
30	---	---	---	19.6	18.2	18.7	25.9	25.2	25.4	25.5	24.1	25.0
31	---	---	---	19.7	19.4	19.6	---	---	---	24.1	22.9	23.2

0248018020 ESCATAWPA RIVER AT I-10 NEAR ORANGE GROVE, MS--Continued

Temperature, water, degrees Celsius--Continued
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	24.1	23.0	23.5	26.8	25.9	26.3	27.7	27.0	27.4	28.2	27.9	28.0
2	24.9	23.6	24.2	26.5	26.0	26.3	27.6	27.1	27.3	28.5	27.5	28.0
3	26.0	24.8	25.2	27.1	26.0	26.4	27.5	27.0	27.3	28.4	27.4	27.9
4	27.0	25.7	26.1	27.7	26.8	27.2	27.6	27.0	27.4	---	---	---
5	27.7	26.8	27.1	28.0	27.3	27.7	27.0	25.7	26.6	28.5	---	---
6	27.8	27.2	27.5	28.6	27.8	28.2	25.7	25.0	25.3	28.5	27.7	28.1
7	28.1	27.5	27.7	28.8	28.4	28.6	26.1	25.0	25.5	---	---	---
8	28.0	27.6	27.7	29.0	28.4	28.6	26.5	25.6	26.0	---	---	---
9	27.9	27.4	27.6	29.0	28.3	28.5	26.8	25.8	26.1	---	---	---
10	28.0	27.3	27.5	29.1	28.2	28.4	26.7	25.9	26.1	---	---	---
11	28.0	27.2	27.5	28.9	28.1	28.3	27.0	26.3	26.6	---	---	---
12	27.8	27.4	27.6	28.6	28.1	28.2	27.5	26.7	26.9	---	---	---
13	28.1	27.3	27.5	28.5	28.1	28.2	27.9	27.2	27.4	---	---	---
14	28.3	27.7	27.8	28.1	27.3	27.7	28.0	27.6	27.8	---	---	---
15	28.4	27.6	27.9	27.3	26.1	26.5	28.3	27.8	28.0	---	---	---
16	28.3	27.7	27.9	26.7	25.7	26.1	28.6	28.1	28.3	---	---	---
17	27.9	27.6	27.7	27.4	26.4	26.9	28.9	28.4	28.6	---	---	---
18	27.9	27.5	27.6	28.7	27.4	28.0	29.1	28.6	28.8	---	---	---
19	28.4	27.6	27.8	29.8	28.4	29.1	29.1	28.5	28.9	---	---	---
20	28.2	27.5	27.8	30.1	29.2	29.7	29.1	28.4	28.6	---	---	---
21	27.9	27.2	27.5	30.2	29.5	29.8	28.7	28.2	28.4	---	---	---
22	27.6	26.5	27.2	29.5	---	---	28.4	28.0	28.1	---	---	---
23	27.5	26.5	27.0	29.3	---	---	28.0	27.5	27.8	---	---	---
24	28.0	26.6	27.3	29.3	28.0	28.8	27.8	27.2	27.4	---	---	---
25	27.8	26.8	27.3	28.0	26.9	27.7	27.9	27.4	27.6	---	---	---
26	27.2	26.7	27.0	26.9	25.9	26.6	27.6	27.1	27.3	24.1	23.9	24.1
27	27.6	26.2	26.8	25.9	25.0	25.4	27.7	27.2	27.3	24.3	24.0	24.1
28	26.5	25.4	25.7	26.6	25.4	25.9	27.9	27.3	27.5	24.2	23.8	24.0
29	26.2	25.6	25.8	26.9	26.3	26.6	28.2	27.7	27.9	23.9	23.5	23.7
30	26.6	25.7	26.0	27.4	26.7	27.0	28.1	27.7	28.0	23.9	23.4	23.7
31	---	---	---	27.4	26.9	27.2	28.1	27.7	28.0	---	---	---

WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	24.2	23.6	23.9	20.4	19.1	19.7	11.7	11.4	11.6	13.6	12.9	13.3
2	24.4	23.9	24.1	19.1	18.0	18.5	11.4	10.9	11.2	13.6	12.9	13.3
3	24.8	24.2	24.5	18.0	17.5	17.6	11.6	10.9	11.3	12.9	11.7	12.3
4	25.6	24.8	25.2	17.8	17.5	17.6	12.8	11.6	12.2	11.7	10.7	11.2
5	26.1	25.4	25.7	18.5	17.6	18.1	13.5	12.7	13.3	10.9	10.2	10.6
6	26.1	25.5	25.8	18.5	17.8	18.2	13.2	11.9	12.5	10.9	10.3	10.5
7	26.3	25.7	26.0	17.8	16.4	17.0	11.9	10.9	11.2	10.5	9.6	10.0
8	26.2	25.6	25.8	16.4	15.6	16.0	10.9	10.1	10.6	9.6	8.9	9.3
9	25.8	25.3	25.5	16.9	16.0	16.4	10.1	10.0	10.1	10.3	9.2	9.8
10	25.5	24.9	25.3	18.6	16.9	17.8	10.3	10.0	10.2	11.5	10.3	11.1
11	25.1	24.7	24.9	19.1	18.6	18.9	10.9	10.3	10.6	11.3	10.1	10.7
12	24.9	24.5	24.7	19.0	18.1	18.7	10.8	10.6	10.7	10.1	9.2	9.6
13	24.9	24.4	24.6	18.1	16.5	17.2	11.3	10.7	11.0	9.2	8.7	8.9
14	24.6	22.5	23.6	16.5	15.6	16.0	11.3	11.0	10.8	8.9	8.5	8.7
15	22.5	21.6	22.0	16.3	15.7	16.0	11.0	10.3	10.6	8.9	8.6	8.8
16	21.6	20.6	21.1	16.2	15.2	15.9	10.4	9.8	10.5	9.0	8.6	8.8
17	20.6	19.6	20.0	15.2	13.9	14.5	10.9	10.0	10.5	9.0	8.6	8.8
18	19.6	18.9	19.2	13.9	13.3	13.6	12.1	10.9	11.4	8.6	8.0	8.2
19	19.5	18.7	19.1	14.3	13.6	13.9	13.8	12.1	13.0	8.1	7.5	7.8
20	19.9	19.2	19.5	14.8	14.3	14.6	14.1	13.7	13.9	8.7	7.8	8.2
21	20.2	19.9	20.0	15.6	14.8	15.2	13.7	12.5	12.8	10.2	8.6	9.4
22	20.8	20.0	20.3	15.3	14.4	14.9	13.7	12.5	13.1	11.7	10.2	11.0
23	20.7	20.6	20.6	14.4	13.5	13.9	14.2	13.6	13.8	11.7	10.4	11.2
24	20.8	20.5	20.6	---	---	---	15.3	14.2	14.8	10.4	8.5	9.2
25	20.9	---	---	---	---	---	14.9	13.3	14.1	8.5	7.7	8.0
26	21.3	20.9	21.1	---	---	---	13.3	12.1	12.7	8.3	7.6	7.9
27	21.8	21.2	21.4	---	---	---	12.1	11.5	11.8	8.5	7.9	8.2
28	22.6	21.7	22.1	12.8	11.7	12.3	11.5	11.0	11.2	8.8	8.0	8.4
29	22.4	21.9	22.2	11.7	11.1	11.4	11.2	10.6	10.9	10.1	8.8	9.4
30	22.1	21.5	21.8	11.6	11.1	11.4	11.3	10.7	11.0	11.6	10.1	11.0
31	21.5	20.4	20.9	---	---	---	12.9	11.3	12.1	11.9	11.5	11.7

0248018020 ESCATAWPA RIVER AT I-10 NEAR ORANGE GROVE, MS--Continued

Temperature, water, degrees Celsius--Continued
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	12.3	11.6	11.9	14.3	14.1	14.2	16.7	15.8	16.3	22.9	22.2	22.6
2	12.4	11.8	12.1	14.5	13.8	14.1	17.1	16.2	16.6	23.5	22.6	23.0
3	12.6	12.0	12.3	14.0	13.4	13.7	17.8	16.8	17.3	24.1	23.3	23.6
4	13.5	12.6	13.1	13.4	13.2	13.3	18.8	17.7	18.2	24.3	23.6	23.9
5	13.4	12.1	12.7	14.4	13.4	13.8	19.8	18.8	19.2	24.7	24.0	24.3
6	12.1	11.7	11.9	15.6	14.4	15.0	20.6	19.8	20.2	25.3	24.6	24.8
7	11.8	11.0	11.6	16.8	15.2	15.9	21.2	20.6	20.9	26.0	25.3	25.5
8	11.0	10.3	10.6	16.5	16.2	16.4	21.1	19.9	20.6	26.5	25.9	26.0
9	10.6	10.5	10.5	17.2	16.4	16.7	19.9	16.9	18.6	27.1	26.4	26.6
10	11.8	10.5	11.1	17.5	16.4	16.9	16.9	15.3	15.9	27.4	26.7	27.0
11	12.1	11.6	11.8	17.3	16.5	16.9	16.2	15.1	15.6	27.7	27.0	27.3
12	12.0	11.4	11.7	17.0	16.5	16.8	---	15.4	---	27.7	27.1	27.3
13	12.4	11.8	12.1	17.6	16.5	17.0	---	---	---	27.4	26.3	26.8
14	13.1	12.1	12.6	18.0	17.1	17.5	17.7	---	---	26.3	25.6	25.8
15	14.7	13.1	13.9	18.6	17.3	17.9	18.5	17.1	17.7	26.0	25.4	25.7
16	16.0	14.6	15.4	18.2	17.7	17.9	19.5	---	---	26.2	25.4	25.7
17	15.9	14.5	15.3	18.4	17.9	18.1	20.4	19.3	19.7	26.5	25.8	26.1
18	14.5	13.3	13.7	18.9	17.9	18.4	21.1	20.1	20.5	26.0	23.5	25.5
19	13.3	12.9	13.0	20.0	18.7	19.3	21.8	21.0	21.3	23.6	22.6	23.2
20	13.6	12.9	13.3	19.8	18.9	19.4	22.5	21.6	21.9	23.9	23.1	23.5
21	---	13.6	---	19.7	18.7	19.2	23.0	22.3	22.5	24.2	23.6	23.9
22	---	14.1	---	19.2	18.2	18.8	23.0	22.3	22.6	24.0	23.6	23.9
23	14.6	13.7	14.1	18.9	18.2	18.5	22.8	22.0	22.2	23.6	22.8	23.2
24	14.5	13.5	14.0	18.7	17.9	18.4	22.4	21.8	22.1	23.0	22.3	22.7
25	14.4	13.9	14.2	18.7	18.2	18.5	22.5	21.6	21.9	23.1	22.2	22.6
26	14.2	13.7	13.9	18.7	18.3	18.6	23.0	22.2	22.5	23.2	22.5	22.8
27	14.6	13.9	14.2	19.5	18.6	19.0	22.8	22.2	22.5	23.1	22.6	22.8
28	14.4	---	---	20.0	19.3	19.6	22.5	22.0	22.2	23.0	22.0	22.5
29	---	---	---	20.0	19.8	---	22.5	21.8	22.1	23.0	21.9	22.4
30	---	---	---	---	17.4	---	22.7	22.0	22.4	23.4	22.4	22.9
31	---	---	---	17.4	16.5	16.8	---	---	---	24.6	23.2	23.8
		JUNE			JULY			AUGUST			SEPTEMBER	
1	25.1	24.4	24.7	24.1	23.8	23.9	26.3	25.9	26.1	26.5	25.7	26.1
2	26.1	25.0	25.4	24.2	23.9	24.0	26.4	25.8	26.1	26.8	25.9	26.3
3	26.3	25.9	26.0	---	24.1	---	26.2	25.8	26.0	26.9	26.2	26.5
4	26.4	25.6	25.9	---	---	---	26.2	25.6	25.9	26.9	26.4	26.6
5	26.3	25.6	25.8	---	---	---	26.6	25.9	26.2	26.7	26.2	26.4
6	25.7	25.0	25.4	---	---	---	26.7	26.0	26.3	26.4	25.9	26.1
7	25.0	24.3	24.6	---	---	---	26.3	25.7	26.1	25.9	25.5	25.7
8	24.3	23.9	24.1	---	---	---	26.3	25.5	25.8	25.7	25.2	25.5
9	---	---	---	---	---	---	26.5	25.7	26.0	25.7	25.2	25.4
10	---	---	---	---	---	---	26.8	26.0	26.3	25.5	25.2	25.3
11	---	---	---	---	---	---	26.8	26.4	26.6	25.8	25.1	25.4
12	26.1	25.7	25.8	---	---	---	26.5	25.8	26.2	25.9	25.3	25.6
13	26.3	25.4	25.8	---	---	---	25.9	25.4	25.7	26.0	25.4	25.7
14	26.2	25.6	25.9	---	---	---	26.4	25.3	25.8	26.1	25.5	25.8
15	26.1	25.4	25.7	---	---	---	26.9	25.8	26.3	26.1	25.7	25.9
16	26.1	25.4	25.7	---	---	---	27.2	26.5	26.8	25.9	24.5	25.2
17	25.7	24.9	25.3	---	---	---	27.5	26.8	27.1	---	23.6	---
18	25.3	24.6	25.0	26.9	26.0	26.4	27.6	27.1	27.3	24.2	23.4	23.8
19	25.5	25.0	25.3	26.8	26.5	26.7	28.0	27.2	27.6	---	23.8	---
20	25.7	25.2	25.4	26.5	26.0	26.3	27.8	27.4	27.6	24.7	24.1	24.4
21	25.6	25.3	25.4	26.2	25.1	25.8	27.4	26.8	27.0	25.0	24.5	24.7
22	25.8	25.2	25.4	25.4	24.6	25.0	26.8	26.4	26.6	24.9	24.5	24.8
23	25.7	25.2	25.4	25.3	24.8	25.1	26.5	26.1	26.3	24.5	24.0	24.2
24	26.1	25.4	25.7	25.3	24.5	24.9	27.0	26.0	26.4	24.5	23.8	24.1
25	26.4	25.6	26.0	25.3	24.7	25.0	27.4	26.5	26.9	24.8	24.2	24.5
26	26.7	---	---	25.7	24.7	25.2	27.4	26.9	27.2	25.0	24.4	24.7
27	26.4	25.8	26.2	26.2	25.3	25.7	27.6	27.1	27.3	25.0	24.7	24.8
28	25.8	25.1	25.4	26.2	25.4	25.8	27.7	27.0	27.3	24.8	24.3	24.5
29	25.1	24.7	24.9	25.9	25.5	25.7	27.7	27.0	27.3	24.3	22.9	23.4
30	25.0	24.0	24.5	26.0	25.4	25.6	27.6	26.6	27.1	22.9	21.7	22.1
31	---	---	---	26.6	25.6	26.0	26.6	26.1	26.3	---	---	---

02480212 PASCAGOULA RIVER AT MILE 1 AT PASCAGOULA, MS

LOCATION.--Lat 30°21'42", long 88°33'57", in NE¼NW¼ sec.5, T.8 S., R.6 W., St. Stevens Meridian, Jackson County, Hydrologic Unit 03170006, on East side of Pascagoula River at NOAA dock and at mile 1.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--Water years 1972, 1974-92, 1994-97, 2000.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1999 to current year.
WATER TEMPERATURE: October 1999 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1999.

REMARKS.--Specific conductance records good. Water temperature records good. Interruptions in the record were due to malfunctions of the instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 50,400 microsiemens, Aug. 2, 2002, but may have been higher during periods of instrument malfunction; minimum recorded, 74 microsiemens, July 8-9, 2003, but may have been lower during periods of instrument malfunction.
WATER TEMPERATURE: Maximum recorded, 32.5°C, August 17, 18, 2000, but may have been higher during periods of instrument malfunction; minimum recorded, 6.1°C, Jan. 24, 2003, but may have been lower during periods of instrument malfunction.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum recorded, 49,100 microsiemens, Jan. 11, but may have been higher during periods of instrument malfunction; minimum recorded, 74 microsiemens, July 8-9, but may have been lower during periods of instrument malfunction.
WATER TEMPERATURE: Maximum recorded, 31.5°C, Aug. 29, but may have been higher during periods of instrument malfunction; minimum recorded, 6.1°C, Jan. 24, but may have been lower during periods of instrument malfunction.

Specific Conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	34400	3110	15300	7490	1770	4370	47500	12300	36200	32000	159	4690
2	37200	8110	25000	10300	2150	3740	48500	15000	35700	4340	250	1060
3	38200	3880	25000	37600	1610	11700	44900	19000	34200	39600	140	3750
4	14900	3250	5650	40400	1040	16600	43800	21100	33700	32100	301	4540
5	41700	9460	20700	39800	2290	10000	46300	19600	35100	22900	300	2810
6	44300	16500	33400	41000	768	13400	47200	22900	38900	4240	364	1690
7	46200	12000	31700	43200	1310	16300	47700	20000	36900	2500	786	1410
8	45700	16400	36500	41700	1900	17500	48000	18000	34600	1700	850	1210
9	39400	14300	27400	40800	2530	18700	47900	20400	36800	3280	948	1660
10	36700	4540	16600	38100	2630	11600	47700	21800	36600	47600	2740	6800
11	8080	4840	5610	39400	1590	9810	46700	15400	33800	49100	3190	18200
12	5540	4980	5100	12100	1900	4720	45900	11800	34900	48900	4830	29000
13	5130	5010	5050	39100	---	---	44100	8640	21800	48600	8740	31200
14	5070	5060	5060	21500	2920	7800	40900	5680	15600	47800	9220	26800
15	5140	5000	5020	37700	4040	15200	41800	6110	15900	43000	10900	27700
16	5010	4960	4980	13100	3810	5750	42400	5840	19300	43400	11900	28500
17	4980	4960	4970	5580	1340	3020	40500	5560	22100	42600	8940	28500
18	42000	4980	23400	37600	2390	8600	37300	5270	20400	44500	15000	29400
19	41200	20000	36200	40400	1970	16800	30300	5250	16000	39000	10500	22800
20	40700	16500	36200	41100	5410	20300	41100	1350	14400	41800	10600	25800
21	43500	12300	33100	45300	5890	23900	36500	2580	17400	45000	11000	28600
22	---	---	---	44100	8820	26300	38600	3410	17400	46600	10200	33000
23	---	---	---	46200	8560	27200	38900	6840	22300	47400	15000	36100
24	---	---	---	44600	8880	23200	37800	3130	15700	47700	26100	42000
25	---	---	---	43500	10800	26100	6600	1570	2880	47700	15900	41500
26	40400	17900	28800	41300	10300	24200	7480	3750	5030	47300	14900	37500
27	43200	12500	27900	45000	10300	25700	7200	3590	4690	47500	18300	36000
28	39600	9170	25400	46500	13000	35500	4650	1280	2890	46500	19600	38000
29	41400	5900	18200	45500	11200	35200	4400	1030	2260	44700	22000	36700
30	45400	4440	15700	45400	10100	24700	29600	479	9160	46400	20000	35800
31	45100	3350	17500	---	---	---	5710	524	2360	47000	22300	35700

02480212 PASCAGOULA RIVER AT MILE 1 AT PASCAGOULA, MS--Continued

Specific Conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius--Continued
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	47700	19100	34900	6190	884	2520	5860	2560	3840	31700	12500	22400
2	46400	18500	33400	3440	357	1110	10700	2540	4800	29700	10600	19300
3	46300	17800	33800	1090	192	649	9310	2700	5030	23800	7310	13000
4	45100	16700	30600	874	158	500	19200	4590	9860	27600	7350	17700
5	46800	13900	37900	1120	151	624	25500	7870	15500	18900	3420	9460
6	47600	16700	37600	1100	617	876	26200	9630	20500	---	2620	6420
7	46300	17600	34300	3810	981	1960	23300	9030	16900	5320	2180	3430
8	47200	19200	38900	16200	679	2640	33900	8270	21600	7010	1780	4300
9	47300	20700	42900	3720	707	1890	33300	7470	19600	6560	2280	4620
10	46800	13300	26500	38700	942	11400	42700	4940	20400	5480	2300	3920
11	46600	12900	31400	26800	1100	8110	46300	7100	22100	2480	1200	1780
12	44700	9010	26200	---	557	---	43000	5840	20000	25800	1750	11200
13	44900	9300	30600	5340	529	2020	8030	2100	4590	20500	5990	12700
14	41400	12200	28100	25300	436	5720	5010	2260	3390	20500	9560	14000
15	38500	12800	27500	34200	673	7690	---	2900	---	16100	7610	12300
16	42300	11800	27700	31100	743	15000	---	---	---	17600	8240	12500
17	45800	11200	28400	26400	1290	8160	23100	880	5390	17500	5230	13000
18	45200	13500	27700	19800	948	4900	40700	1140	16900	11100	3320	7240
19	39200	9870	22600	19800	1250	3500	27700	1720	12200	21600	3170	13200
20	37500	7670	23400	5840	1150	2500	27000	937	12500	19700	3600	11600
21	39200	9900	29700	29900	815	5310	25800	969	11600	21700	2280	12400
22	16000	3660	5980	42600	958	15000	38300	1590	20700	29000	2000	14200
23	36900	2960	14900	33000	1240	10600	34600	6040	22700	34000	7010	16700
24	35700	2060	13500	34800	1510	14000	28300	8950	18300	20900	5840	9810
25	44700	1560	18100	31300	1270	11700	---	10300	20300	5890	3530	4350
26	32200	2200	16700	28500	2910	12900	38300	9780	24800	4420	2930	3760
27	36300	1280	11900	27400	5960	18500	41500	15300	30800	24000	2830	8770
28	35400	1070	9090	28900	7950	16500	39000	10900	25400	27700	5230	12000
29	---	---	---	---	3900	---	33800	10600	26400	26700	4990	11500
30	---	---	---	---	---	---	33100	10400	23000	36100	5630	14700
31	---	---	---	47000	3630	---	---	---	---	14800	5230	8390
		JUNE			JULY			AUGUST			SEPTEMBER	
1	37100	5230	15800	---	---	---	35900	5400	18400	29000	9580	19000
2	37000	7810	20100	3860	367	---	34200	6240	17900	29500	8970	18900
3	24300	9740	16800	2560	224	1150	38600	4920	17100	31800	10100	20600
4	39300	10500	24000	---	109	358	40300	5880	12900	36400	10000	22400
5	33500	14500	24500	391	90	133	31500	5640	10200	37800	14300	28400
6	29000	11100	21000	183	78	101	39000	6990	18200	37700	14600	29500
7	11100	5900	7300	341	75	108	41700	8790	18000	37500	15500	29800
8	---	---	---	223	74	100	44200	10100	23900	37300	16100	29200
9	---	---	---	394	74	162	42800	10500	26000	35600	15200	27800
10	---	---	---	964	88	403	40100	10800	25900	---	14500	26500
11	---	---	---	6750	127	1320	41800	12100	25900	34400	15600	28000
12	---	---	---	27900	221	5380	39700	10600	26400	35500	15500	27100
13	---	---	---	21000	397	5880	30500	8900	19100	33700	12100	23900
14	---	---	---	19000	413	6560	34500	8050	21300	37600	13300	27700
15	---	---	---	13900	289	4010	35400	11700	25700	40600	15000	31000
16	---	---	---	16200	439	5030	31900	8100	19800	41300	18500	33000
17	---	---	---	31600	766	10000	37700	7240	21900	40000	17100	30600
18	---	---	---	25300	845	7840	34200	7580	19200	39300	16600	28400
19	---	---	---	35900	1590	3320	35300	5660	15500	40000	18100	29100
20	---	---	---	35900	2810	5360	35800	6550	15200	39500	16900	30400
21	---	---	---	7580	3280	5000	36800	10000	21700	40100	22200	33600
22	---	---	---	19500	2870	4630	34800	12000	23000	38500	21300	32000
23	---	---	---	10800	1700	5540	32500	11600	23000	41000	21000	32200
24	---	---	---	34400	5140	17500	32700	9150	21100	40800	22000	34800
25	---	---	---	29300	5320	15400	30500	8480	19600	39900	23300	35200
26	---	---	---	28500	1810	13700	33200	9570	20800	39500	18700	32900
27	---	---	---	24400	1310	10800	35900	11600	24300	38800	13600	30000
28	---	---	---	29700	1310	12700	34000	11600	22100	42300	13500	29800
29	---	---	---	35800	1720	16500	32700	14900	25600	42600	17700	35700
30	---	---	---	36900	3500	15200	32000	10100	20400	42500	23600	36500
31	---	---	---	37100	4660	12400	31700	8900	22100	---	---	---

02480212 PASCAGOULA RIVER AT MILE 1 AT PASCAGOULA, MS--Continued

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	27.6	25.6	26.2	21.0	19.8	20.4	18.6	13.5	16.5	15.4	12.7	13.4
2	28.2	26.0	27.1	20.2	18.9	19.4	18.9	12.8	16.2	13.5	12.4	12.8
3	27.8	25.7	27.0	21.5	18.4	19.3	17.8	14.2	15.9	16.1	11.3	12.2
4	26.8	25.6	26.1	20.3	18.6	19.3	17.1	15.1	16.1	14.9	10.8	11.6
5	27.5	26.4	27.0	21.0	18.8	19.4	18.0	15.3	16.7	14.2	10.7	11.3
6	27.8	27.2	27.5	21.6	18.2	19.6	17.2	13.3	15.1	11.7	11.0	11.4
7	28.0	27.1	27.5	21.7	17.4	19.0	16.1	12.6	14.3	11.3	10.0	10.7
8	27.9	26.8	27.6	21.1	17.3	18.8	15.7	12.7	14.1	10.6	9.8	10.2
9	28.6	26.8	27.6	20.9	17.9	19.0	15.4	12.5	14.0	11.2	10.3	10.7
10	28.5	26.2	27.1	20.8	18.8	19.5	14.6	12.4	13.5	16.6	11.2	11.9
11	27.4	26.1	26.7	21.4	19.2	20.1	14.2	11.5	13.0	17.0	10.4	12.6
12	27.4	26.2	26.7	19.8	18.1	19.0	14.2	10.9	13.1	17.0	9.7	13.5
13	27.5	26.1	26.6	21.6	16.8	18.2	13.6	11.4	12.2	16.4	9.7	13.0
14	27.5	24.4	25.7	19.6	16.6	17.7	13.4	10.9	11.7	15.4	9.3	12.0
15	26.7	23.9	24.6	20.3	17.2	18.4	13.4	10.8	11.8	14.3	10.0	11.9
16	24.8	22.9	23.7	17.6	15.6	16.7	13.6	10.9	12.0	13.9	10.2	12.0
17	25.1	22.6	23.4	15.6	14.2	14.9	14.6	11.2	12.7	12.7	8.9	11.2
18	25.7	22.0	24.2	18.8	14.5	15.5	14.8	11.9	13.2	13.0	8.8	10.6
19	25.0	22.8	24.2	19.0	14.9	16.6	15.5	13.0	14.1	11.1	8.5	9.7
20	24.2	22.7	23.6	18.9	15.6	17.0	16.1	13.2	14.3	12.1	9.4	10.5
21	25.0	22.4	23.8	19.5	15.7	17.3	15.9	12.8	14.1	12.6	10.6	11.6
22	---	---	---	19.2	15.4	17.3	16.1	13.6	14.6	13.0	11.8	12.5
23	---	---	---	19.5	14.7	17.0	16.6	14.5	15.4	13.4	10.2	12.2
24	---	---	---	18.7	14.8	16.4	16.9	15.0	16.0	12.9	6.1	11.3
25	---	---	---	18.4	15.3	16.6	15.0	13.8	14.4	11.8	9.6	11.1
26	24.4	22.9	23.6	17.9	15.1	16.4	13.9	12.9	13.2	11.0	9.4	10.4
27	24.6	22.6	23.5	18.6	14.7	16.5	12.9	12.2	12.5	11.3	9.2	10.5
28	24.4	23.2	23.8	19.0	13.4	17.0	12.3	11.6	12.0	11.7	9.6	10.9
29	24.5	22.8	23.6	17.9	12.7	16.2	12.2	11.3	11.8	12.3	11.0	11.5
30	24.8	22.5	23.3	17.9	13.7	15.4	14.6	11.8	12.7	12.8	11.9	12.2
31	24.8	21.0	22.6	---	---	---	14.1	12.9	13.5	13.1	11.3	12.4
		FEBRUARY			MARCH			APRIL			MAY	
1	13.6	11.3	12.7	14.4	14.2	14.3	19.0	17.1	18.0	26.3	24.3	25.4
2	13.9	11.8	12.9	14.8	14.1	14.4	19.6	17.8	18.6	27.1	24.3	25.6
3	15.3	12.8	13.6	14.4	13.4	13.7	20.4	18.6	19.3	26.9	25.0	25.6
4	15.3	13.1	13.9	13.7	13.1	13.4	21.6	19.1	20.2	26.6	24.2	25.5
5	14.4	11.9	13.8	14.6	13.7	14.1	22.2	19.6	20.8	27.0	24.8	25.8
6	14.4	12.4	13.7	15.2	14.6	15.0	22.2	19.8	21.0	27.3	25.2	26.1
7	13.8	11.0	12.7	16.7	14.9	15.5	22.4	20.9	21.7	27.2	25.8	26.4
8	13.3	11.8	12.6	16.6	15.8	16.1	21.4	20.2	20.8	28.0	26.2	27.0
9	12.7	11.7	12.2	16.8	16.1	16.4	20.3	16.7	19.3	28.4	26.8	27.5
10	13.0	11.3	12.0	18.0	16.3	16.8	19.3	16.7	18.1	28.3	27.2	27.6
11	12.9	11.2	12.1	17.8	16.5	17.0	18.9	16.9	17.9	28.4	27.3	27.9
12	12.9	11.2	12.1	17.2	16.9	17.0	18.2	16.8	17.7	28.4	27.3	27.9
13	14.1	11.5	12.8	17.7	17.1	17.4	18.5	17.1	18.0	27.4	26.4	26.9
14	14.6	12.3	13.2	18.1	17.3	17.8	19.2	17.7	18.5	27.2	25.3	26.3
15	16.4	13.3	14.3	18.5	17.4	18.1	19.6	18.4	19.0	27.8	26.4	27.0
16	16.2	14.4	15.0	19.1	17.6	18.2	---	---	---	28.4	26.4	27.4
17	15.6	13.4	14.6	19.1	18.1	18.4	21.7	19.5	20.6	28.5	27.1	27.7
18	15.6	12.7	14.1	19.4	18.2	18.6	22.5	19.9	21.2	27.9	26.4	27.3
19	15.3	13.3	14.3	20.8	18.9	19.8	23.1	20.7	21.7	27.4	26.2	26.7
20	15.2	14.2	14.8	20.4	19.5	19.9	24.5	21.0	22.5	27.1	26.2	26.7
21	15.5	14.8	15.2	20.2	18.1	19.6	24.4	21.8	23.0	27.1	25.7	26.2
22	15.1	14.1	14.8	20.7	18.0	19.2	23.9	21.9	22.8	26.0	25.0	25.6
23	16.0	13.7	14.7	20.6	18.4	19.2	23.1	21.6	22.5	27.1	24.2	25.5
24	15.4	13.8	14.7	21.2	18.4	19.4	22.8	22.2	22.5	26.6	24.7	25.7
25	15.7	14.2	15.1	20.6	18.6	19.4	24.6	22.5	23.0	26.3	24.8	25.5
26	15.5	14.2	14.9	20.8	19.1	19.6	24.9	22.4	23.4	26.2	24.9	25.5
27	15.6	14.3	14.7	21.5	18.9	20.2	24.5	22.0	23.0	25.4	24.6	25.0
28	15.5	14.2	14.6	22.0	19.8	20.5	25.2	22.4	23.5	25.9	24.1	25.1
29	---	---	---	21.5	---	20.5	25.4	23.5	24.3	26.2	24.4	25.5
30	---	---	---	---	---	---	26.1	24.0	25.1	27.2	25.1	26.0
31	---	---	---	---	---	18.1	---	---	---	27.1	25.3	26.1

02480212 PASCAGOULA RIVER AT MILE 1 AT PASCAGOULA, MS--Continued

Temperature, water, degrees Celsius--Continued
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	27.2	25.5	26.4	---	---	---	29.0	27.8	28.2	29.7	28.3	29.1
2	28.6	25.4	26.8	26.7	---	---	29.0	27.6	28.1	29.8	28.7	29.3
3	27.8	26.5	27.1	27.1	25.4	26.0	28.9	27.6	28.1	30.1	29.1	29.5
4	28.8	25.8	27.2	26.5	25.4	25.9	29.5	27.5	28.4	30.0	29.0	29.7
5	28.1	26.1	27.1	26.0	25.4	25.6	29.3	27.6	28.5	30.2	28.6	29.6
6	27.3	26.7	27.0	26.7	25.0	25.8	29.2	27.7	28.4	29.9	28.8	29.3
7	27.9	26.4	27.0	26.5	25.8	26.2	28.3	27.1	27.9	29.5	28.3	28.9
8	---	---	---	27.1	25.8	26.5	29.4	27.4	28.2	29.0	28.2	28.7
9	---	---	---	28.1	26.1	27.0	29.6	27.4	28.4	29.1	28.4	28.7
10	---	---	---	28.5	26.5	27.4	29.6	27.8	28.6	29.3	---	28.7
11	---	---	---	28.9	26.8	27.6	29.3	27.7	28.5	29.9	28.3	29.0
12	---	---	---	29.3	27.0	28.0	28.5	27.4	27.9	29.4	28.1	28.8
13	---	---	---	28.8	27.2	28.2	28.2	27.3	27.7	28.7	27.7	28.3
14	---	---	---	28.2	27.0	27.7	29.9	27.5	28.3	28.6	27.7	28.2
15	---	---	---	28.4	26.8	27.6	30.4	27.9	28.7	28.7	27.6	28.4
16	---	---	---	29.7	27.4	28.4	29.6	28.6	29.0	28.8	25.9	27.9
17	---	---	---	29.7	27.8	28.6	---	28.1	28.7	28.5	26.0	27.7
18	---	---	---	29.8	27.5	28.5	30.2	28.5	29.1	28.6	27.1	28.0
19	---	---	---	29.5	28.2	28.8	30.2	28.8	29.3	28.5	27.5	28.1
20	---	---	---	29.4	27.8	28.5	29.7	28.8	29.2	28.5	27.2	28.0
21	---	---	---	29.0	27.9	28.4	29.8	28.1	29.0	28.6	27.8	28.3
22	---	---	---	28.8	27.5	28.0	29.6	28.3	29.1	28.4	27.4	27.9
23	---	---	---	28.0	26.7	27.4	29.4	28.9	29.2	27.9	27.2	27.7
24	---	---	---	28.0	26.8	27.5	30.3	29.3	29.7	28.1	27.4	27.7
25	---	---	---	28.3	27.4	27.9	31.0	29.7	30.3	28.2	27.0	27.6
26	---	---	---	29.0	27.6	28.2	31.4	30.0	30.6	28.5	26.8	27.6
27	---	---	---	29.3	27.8	28.6	31.0	29.9	30.5	27.8	26.8	27.4
28	---	---	---	29.1	27.9	28.5	31.0	29.9	30.4	27.6	26.1	27.1
29	---	---	---	29.0	27.5	28.2	31.5	30.1	30.7	27.5	23.8	26.0
30	---	---	---	28.4	27.6	28.0	30.7	29.4	30.2	25.8	22.2	24.4
31	---	---	---	30.1	27.4	28.5	30.4	28.4	29.5	---	---	---

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 mi^2.

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.--Estimated daily discharges: Jun. 30, Jul. 1 and August 8-10. Records good except for estimated daily discharges, which are poor. 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 27	2200	2,260	10.67	May 22	0130	2,100	10.14
Oct. 29	0030	2,730	12.24	Jul. 1	----	*6,860	[a]*22.11
Nov. 12	1045	2,630	11.93	Jul. 5	1930	2,900	12.72
Apr. 8	2100	2,520	11.57				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	161	372	107	1320	85	390	56	25	23	e6200	409	1580
2	136	264	92	793	71	254	49	23	20	3300	298	1110
3	292	215	78	366	64	197	45	21	36	1250	175	352
4	1270	200	72	266	81	217	44	20	145	506	153	933
5	521	405	151	224	117	203	43	21	115	1380	185	905
6	293	637	160	195	92	171	47	18	259	1690	105	276
7	201	342	110	162	86	258	84	16	1010	783	84	451
8	172	214	84	142	98	363	1680	14	810	394	e320	227
9	146	170	73	133	83	273	1990	13	384	231	e90	142
10	267	152	324	127	76	214	1010	12	135	109	e75	488
11	554	1140	1000	113	78	145	359	11	81	167	63	252
12	277	2320	584	101	71	226	240	10	129	199	53	140
13	169	1680	554	93	61	918	178	10	488	125	53	110
14	132	658	433	87	57	1320	136	11	323	97	68	129
15	442	373	246	84	55	726	109	11	452	97	60	133
16	299	299	182	82	293	345	91	12	283	97	48	87
17	165	243	147	78	327	781	81	12	282	193	160	65
18	108	193	126	74	158	533	72	20	226	205	147	54
19	84	159	433	71	107	345	64	133	135	205	156	47
20	72	206	938	69	87	228	57	627	87	198	89	42
21	79	650	566	69	203	165	54	1030	678	202	102	40
22	78	364	264	69	1310	129	51	1070	684	128	201	89
23	91	212	223	67	705	108	46	241	1000	196	143	197
24	139	159	1180	61	275	94	41	111	545	965	94	113
25	99	134	1020	59	184	82	40	67	260	917	65	68
26	776	120	506	60	298	74	42	48	142	236	50	52
27	1220	107	294	60	1170	70	42	45	155	250	50	47
28	1970	97	229	59	887	82	36	92	261	313	72	82
29	2080	86	190	58	---	71	31	60	184	194	126	69
30	1400	90	165	67	---	62	27	40	e1300	142	153	49
31	735	---	1080	105	---	64	---	30	---	571	561	---
TOTAL	14428	12261	11611	5314	7179	9108	6845	3874	10632	21540	4408	8329
MEAN	465	409	375	171	256	294	228	125	354	695	142	278
MAX	2080	2320	1180	1320	1310	1320	1990	1070	1300	6200	561	1580
MIN	72	86	72	58	55	62	27	10	20	97	48	40
CFSM	4.84	4.25	3.89	1.78	2.67	3.05	2.37	1.30	3.68	7.22	1.48	2.89
IN.	5.58	4.74	4.49	2.05	2.78	3.52	2.65	1.50	4.11	8.33	1.70	3.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2003, BY WATER YEAR (WY)

MEAN	79.2	122	218	311	333	333	255	175	113	133	134	170
MAX	606	466	625	1091	986	920	997	1129	587	695	715	768
(WY)	1986	1980	1962	1998	1983	1980	1980	1991	1959	2003	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1953 - 2003	
ANNUAL TOTAL	87253.6		115529			
ANNUAL MEAN	239		317		197	
HIGHEST ANNUAL MEAN					364	1983
LOWEST ANNUAL MEAN					28.7	2000
HIGHEST DAILY MEAN	6870	Sep 26	6200	Jul 1	9860	May 10 1995
LOWEST DAILY MEAN	5.1	May 27	10	May 12	1.1	Oct 19 2000
ANNUAL SEVEN-DAY MINIMUM	5.5	May 23	11	May 10	1.1	Oct 24 2000
MAXIMUM PEAK FLOW			6860	Jul 1	13500	May 9 1995
MAXIMUM PEAK STAGE			22.11a	Jul 1	28.94	May 9 1995
INSTANTANEOUS LOW FLOW			9.3	May 13	1.1	Oct 21 1963
ANNUAL RUNOFF (CFSM)	2.48		3.29		2.05	
ANNUAL RUNOFF (INCHES)	33.74		44.67		27.88	
10 PERCENT EXCEEDS	562		910		452	
50 PERCENT EXCEEDS	93		145		67	
90 PERCENT EXCEEDS	10		46		8.0	

e Estimated
a From flood mark.

302318088512600 BILOXI BAY AT POINT CADET HARBOR AT BILOXI, MS

LOCATION.--Lat 30°23'18", long 88°51'26", in SE¼ SW¼ sec.34, T.7 S., R.9 W., St. Stevens Meridian, Harrison County, Hydrologic Unit 03170009, on the end of the east seawall of the Biloxi Small Craft Harbor.

DRAINAGE AREA.--Not applicable (open water).

PERIOD OF RECORD.--Water year 2000.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: June 2000 to current year.
WATER TEMPERATURE: June 2000 to current year.

INSTRUMENTATION.--Water-quality monitor since June 2000.

REMARKS.--Specific conductance records excellent. Water temperature records excellent. Interruptions in the record were due to malfunctions of the instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 48,800 microsiemens, Aug. 5, 6, 2000, but may have been higher during periods of instrument malfunction; minimum recorded, 124 microsiemens, July 2, 2003, but may have been lower during periods of instrument malfunction.
WATER TEMPERATURE: Maximum recorded, 32.8°C, Aug. 7, 2000, but may have been higher during periods of instrument malfunction; minimum recorded, 4.8°C, Jan. 4, 2001, but may have been lower during periods of instrument malfunction.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum recorded, 41,000 microsiemens, Jan. 28, but may have been higher during periods of instrument malfunction; minimum recorded, 124 microsiemens, July 2, but may have been lower during periods of instrument malfunction.
WATER TEMPERATURE: Maximum recorded, 32.3°C, June 23, but may have been higher during periods of instrument malfunction; minimum recorded, 5.5°C, Jan. 25, but may have been lower during periods of instrument malfunction.

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	31100	28000	29800	34200	21300	29600	21000	8470	14100
2	---	---	---	29500	27600	28700	36100	23200	33000	20300	4880	12500
3	24700	18800	23000	29300	26300	28200	36000	24800	32000	22500	4300	14900
4	21800	15300	19200	28500	18600	24500	35800	24400	30200	31100	8240	21800
5	23700	18900	21600	27200	21200	24400	33200	21500	28100	31000	13800	24500
6	27600	22400	25000	24800	10400	17800	33000	20300	27700	37400	13800	25900
7	28100	20900	25400	29200	11000	22700	33700	21700	28900	40400	35100	38400
8	34200	27200	30800	30200	17500	27600	35000	23000	31100	39200	37500	38800
9	34000	17900	27200	30200	15800	25600	36200	24500	31800	38900	36400	37500
10	28900	15800	20900	27400	17800	22900	36600	27000	32500	36400	21900	30500
11	25200	12100	19300	25600	17100	21100	35900	34200	35500	30800	24900	27300
12	26600	24000	25600	19100	4310	9740	36200	21800	32900	33500	24900	27900
13	29400	15700	26400	25500	8040	21200	36900	18700	28900	35600	25800	30500
14	31200	26600	29900	27300	22800	26100	37000	18700	32000	38900	26400	33500
15	30900	27600	30000	26400	10900	23400	37400	23600	36200	37500	26300	33200
16	31000	28800	30500	26400	9640	20300	37400	32400	36200	38000	26400	32900
17	30800	29600	30400	30200	25400	28900	35200	17900	25600	38200	23500	30400
18	30500	25800	29100	29100	23200	27800	19400	17500	18900	38500	26000	32800
19	30400	24900	28200	25700	16400	21500	25300	17800	20600	38600	23500	31300
20	28500	26500	27700	25600	15600	22400	33600	13300	22300	38500	27100	33100
21	30800	22700	26100	30900	11900	20500	33700	9370	27100	38500	30700	35500
22	31600	30500	31000	32000	11000	25500	34200	12900	24300	37900	31200	34200
23	31300	26900	29600	34400	17300	30600	29500	11500	20100	39800	25000	33400
24	30600	23100	28500	34600	18000	30200	30000	13500	21300	32700	26800	30000
25	31000	24400	28800	34700	20700	30800	29700	7580	23500	39800	30400	34400
26	31400	21100	26200	32000	22300	28500	31000	23000	29500	40900	31500	36600
27	30700	15400	26000	34700	16600	25400	32100	29600	31200	39800	28800	35400
28	29800	15700	26200	39300	34100	37600	32000	25000	30200	41000	28600	36000
29	28400	10500	23900	38300	35900	37600	28400	17400	23400	38700	31000	35900
30	28600	10700	23900	36000	27800	34800	22600	13800	16900	39300	30700	35100
31	30500	22600	28700	---	---	---	15200	13600	14000	---	---	---

302318088512600 BILOXI BAY AT POINT CADET HARBOR AT BILOXI, MS--Continued

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius--Continued
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	37800	11300	23700	19900	18100	19300	24500	18800	21800
2	---	---	---	36000	15000	26200	19800	14800	18300	23700	19000	22300
3	---	---	---	36800	13800	33100	17300	14200	16300	23900	17800	22400
4	38600	---	---	36400	17800	26000	17100	13400	15500	24300	19000	22400
5	39500	30200	35500	26500	16100	21600	16400	12000	14800	23400	19000	21300
6	35200	31600	33300	20400	10100	16300	14600	12100	13400	23800	18600	21700
7	35700	29200	33600	19600	10700	15100	13800	9470	12500	23100	18100	21200
8	36700	31100	35000	17500	10900	14200	17900	8720	14000	21900	18000	20900
9	37000	29700	34200	19400	13900	17900	20400	3490	11200	---	17500	---
10	37100	33000	35400	20000	9380	17300	18800	2050	11600	---	---	---
11	37500	28100	34800	21300	9470	17500	18600	6670	17000	---	---	---
12	37700	31400	36300	21000	9410	16300	34500	12000	25600	---	---	---
13	37300	27700	33600	14200	9160	11700	31600	15300	27600	---	---	---
14	34800	29100	31400	13300	5310	9960	30800	28700	30100	15900	15600	15800
15	29100	25000	28000	15800	4110	11200	31200	24000	29100	15800	15000	15700
16	35200	24900	28300	17600	2690	11100	26000	19800	21600	15600	14800	15400
17	37700	25000	33500	15300	4170	10100	20800	16100	19700	15600	15000	15400
18	38100	25200	35300	16500	4340	9760	25000	14300	19600	16100	13600	15100
19	37900	27800	30500	17300	11900	14000	22500	15000	18200	15500	13200	14700
20	30700	26200	27900	18900	15500	17500	17100	14900	15800	15500	13600	14600
21	26800	25100	26000	19900	7040	16400	15700	13800	15100	15500	12900	14200
22	26900	8540	22300	21200	5550	17700	24100	13200	18800	18000	10900	14300
23	30100	6460	21500	21000	4120	17500	21100	13100	17100	22400	9980	16800
24	30300	7780	20600	20500	7910	17500	20900	14900	17300	26100	9270	21400
25	33000	7270	20800	19500	7130	15300	19600	15600	18500	27200	21000	24700
26	33100	11500	25100	19900	8010	14200	22600	15400	19600	24000	14300	22200
27	26000	15200	22500	16400	8790	13100	25700	15300	22600	22700	14000	19000
28	37100	9720	26100	13900	9680	12000	25800	22100	24900	28900	21100	25200
29	---	---	---	14100	7330	11500	25500	17300	22000	28300	21700	26800
30	---	---	---	---	11500	---	24700	18200	21100	27900	22200	27200
31	---	---	---	18400	17300	18000	---	---	---	28100	22100	26800

	JUNE			JULY			AUGUST			SEPTEMBER		
1	27800	21800	26400	1280	146	297	25500	17900	22800	20700	14600	18000
2	27300	20300	26300	7290	124	1430	25000	16500	21500	18300	11500	15900
3	25800	18400	23500	14100	157	5310	26200	22200	24500	19900	9380	15000
4	25500	17500	22600	14700	215	6760	26400	20800	24900	23400	10800	19400
5	28600	17000	22100	14100	321	6900	27000	24100	26100	25500	12000	21400
6	23200	16800	21000	13300	364	6500	27400	25300	26700	27500	11900	22000
7	19700	11600	15300	5420	781	1850	28000	13800	24600	26000	11000	21300
8	23500	6160	14100	3500	431	1400	28400	15800	24700	25500	13500	22500
9	26800	9680	19100	5550	1100	3450	29700	16700	25300	25200	13600	20300
10	24200	14200	21500	6450	424	4340	32700	21400	28700	24200	13400	18300
11	26100	8590	21600	9260	410	5440	32600	21100	28700	23500	15200	18400
12	26400	8110	19300	15500	1580	9450	32900	23100	27500	18500	15400	16700
13	26900	6020	18700	15200	2630	9530	28900	20000	25700	19200	14700	16700
14	23800	3640	16300	15000	4530	8950	29300	18800	25400	24900	15600	20200
15	24100	2200	14500	13300	4910	9670	25300	18300	23000	26700	16400	23300
16	23800	2200	15100	10500	4120	8710	26400	23500	24800	27800	21600	26000
17	22500	2840	14600	10500	2850	7900	27700	23000	25300	30100	26700	28100
18	20900	4150	16100	13400	2850	10400	27500	23500	25800	30900	19300	25500
19	21500	12700	19300	14800	7150	13200	28200	21400	25900	29700	25600	28500
20	22100	8950	17000	14800	6760	12300	28100	19300	24900	28600	20300	25600
21	21100	6760	13200	15700	13300	14800	29100	18800	23500	29300	21400	25400
22	19300	8100	12900	16600	12900	15700	29700	19800	25500	30500	19800	26200
23	14500	5710	8920	20000	6690	13800	29100	18900	25100	29100	20000	27100
24	15600	5250	8690	20300	6940	14500	27100	18600	24100	29200	23000	26700
25	7860	4780	6570	20800	5670	15500	27200	17900	23000	28900	23200	25400
26	---	4520	---	18400	4760	13500	26200	17200	22600	28300	25400	26700
27	12800	1650	8050	17300	4750	12900	25600	17900	22700	30800	24100	27600
28	10300	621	4590	16700	6530	14300	22500	18700	21200	31400	19900	26600
29	13200	1340	6110	34600	11800	25900	22900	21100	21800	31400	20200	27500
30	8640	1280	3540	28300	10600	22700	---	---	---	30700	20900	25800
31	---	---	---	24900	15200	21700	21000	20100	20700	---	---	---

302318088512600 BILOXI BAY AT POINT CADET HARBOR AT BILOXI, MS--Continued

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	23.0	21.7	22.4	14.7	13.2	13.6	14.9	14.0	14.3
2	28.7	---	---	21.7	19.6	20.7	14.0	12.5	13.4	14.4	13.3	13.9
3	28.1	26.8	27.5	19.8	19.0	19.4	15.1	13.6	14.2	13.8	11.8	12.6
4	28.2	27.2	27.5	19.4	19.0	19.2	16.2	14.4	15.1	13.4	10.9	12.1
5	28.7	27.7	28.1	19.9	19.3	19.6	16.2	13.9	15.1	13.7	11.8	12.9
6	29.0	28.4	28.7	19.8	18.9	19.3	13.9	11.7	12.6	14.5	12.4	13.4
7	29.4	28.5	29.0	18.9	17.6	18.3	12.6	11.3	12.0	14.5	13.3	14.1
8	29.4	27.9	28.7	19.1	17.9	18.3	12.7	11.4	12.3	13.3	12.0	12.3
9	28.5	27.5	28.2	20.3	19.0	19.4	12.7	11.4	12.0	13.0	11.9	12.5
10	28.2	27.1	27.4	22.1	19.5	20.8	11.9	11.6	11.7	14.1	12.6	13.4
11	27.8	26.9	27.2	22.2	21.4	21.7	12.1	11.4	11.7	12.7	10.8	11.7
12	28.0	27.3	27.5	21.6	19.1	20.4	12.0	11.4	11.8	11.6	9.1	10.1
13	28.0	27.4	27.8	20.7	17.2	18.8	12.7	11.5	12.3	10.3	8.3	9.4
14	27.7	24.6	25.7	18.4	17.8	18.1	12.4	11.8	12.0	10.7	8.5	9.8
15	24.6	23.0	23.5	18.2	17.8	18.0	12.4	11.7	12.2	10.4	9.0	9.8
16	23.0	22.0	22.5	18.2	16.1	17.5	12.8	12.2	12.5	10.6	9.7	10.2
17	22.1	21.7	21.9	16.5	15.2	15.7	14.4	12.5	13.3	9.7	8.6	9.1
18	22.2	21.6	21.9	15.8	15.2	15.4	15.3	13.7	14.5	8.8	7.5	8.2
19	22.6	21.0	22.0	16.2	15.7	15.9	16.2	15.1	15.6	8.9	7.7	8.4
20	23.1	22.4	22.5	16.9	16.0	16.6	16.1	14.9	15.4	10.7	8.6	9.6
21	23.8	22.8	23.2	17.5	16.5	17.1	15.1	14.3	14.8	11.7	10.4	10.8
22	23.8	23.4	23.6	17.3	15.9	16.5	16.5	14.8	15.6	13.5	11.7	12.4
23	24.2	23.4	23.8	16.3	14.5	15.9	16.8	16.2	16.5	12.6	8.0	10.4
24	23.6	22.9	23.4	17.2	15.2	16.2	17.7	16.2	17.1	8.0	6.6	7.3
25	23.7	23.0	23.4	17.2	16.1	16.9	17.1	14.2	15.4	7.9	5.5	6.6
26	23.8	23.5	23.6	17.9	17.0	17.5	14.2	12.8	13.4	7.7	6.5	7.2
27	23.7	23.3	23.5	18.5	16.2	17.3	12.9	12.5	12.7	8.3	6.8	7.6
28	24.4	23.6	23.8	17.7	17.0	17.4	13.1	12.6	12.9	9.6	7.7	8.5
29	24.6	23.7	24.3	17.1	16.0	16.8	13.9	12.5	13.2	11.3	9.6	10.1
30	24.3	23.7	23.9	16.1	14.7	15.5	14.6	13.2	13.9	12.0	11.3	11.7
31	24.0	23.0	23.7	---	---	---	15.3	14.6	15.0	---	---	11.7
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	15.5	15.1	15.4	17.3	16.0	16.7	26.4	25.4	25.8
2	---	---	---	15.8	14.9	15.4	19.0	16.8	17.8	27.2	26.0	26.5
3	---	---	---	15.8	14.5	15.4	20.2	18.1	19.1	28.2	26.8	27.1
4	14.4	---	14.2	15.2	13.7	14.3	22.1	19.6	20.4	28.4	26.9	27.5
5	14.2	12.1	13.2	15.7	14.1	14.7	21.7	20.9	21.2	27.8	26.8	27.2
6	12.7	12.0	12.3	16.7	15.1	15.8	22.7	21.3	21.9	28.1	27.0	27.4
7	12.3	10.6	11.6	16.6	15.4	15.9	22.6	21.9	22.2	28.4	27.1	27.5
8	11.0	10.1	10.6	16.7	15.8	16.3	22.0	20.6	21.4	29.0	27.3	28.0
9	11.0	10.0	10.6	17.0	16.2	16.7	20.6	16.6	18.8	---	27.4	---
10	12.2	11.0	11.5	17.9	16.6	17.1	16.6	14.7	15.7	---	---	---
11	11.8	11.2	11.5	17.7	16.8	17.2	16.8	14.5	16.0	---	---	---
12	13.2	11.6	12.2	17.9	17.4	17.5	19.1	16.1	17.2	---	---	---
13	14.1	12.4	13.3	18.8	17.5	18.0	20.4	17.5	19.0	---	---	---
14	15.2	13.5	14.1	19.2	18.1	18.4	21.8	20.4	20.9	---	---	---
15	16.6	15.2	15.9	19.6	18.5	19.1	22.5	21.5	22.1	27.8	26.4	26.9
16	16.8	15.5	16.5	19.9	18.6	19.3	23.8	22.0	22.9	28.4	26.9	27.6
17	15.5	13.0	14.2	20.0	19.2	19.6	24.1	22.6	23.2	28.5	27.5	27.9
18	13.9	12.6	13.0	20.6	19.3	20.1	24.5	23.4	23.8	27.9	26.6	27.3
19	15.3	12.8	14.2	20.3	19.9	20.0	24.6	23.8	24.1	27.6	26.5	27.0
20	16.1	14.5	15.3	21.0	20.1	20.5	25.5	23.6	24.4	27.5	26.8	27.1
21	15.9	15.7	15.7	21.1	19.6	20.7	25.3	24.4	24.8	27.2	26.5	26.8
22	16.0	14.4	15.7	20.7	19.4	19.9	24.6	23.3	23.9	26.7	25.7	26.4
23	14.9	14.0	14.5	19.9	19.1	19.5	24.0	22.6	23.2	26.6	25.3	26.1
24	16.0	14.2	14.9	19.9	19.2	19.7	23.0	22.6	22.8	26.6	25.5	26.2
25	15.8	14.4	15.2	20.7	19.4	19.9	24.5	22.8	23.4	27.4	26.3	26.9
26	15.7	14.9	15.3	21.2	19.9	20.3	24.5	23.3	23.9	27.9	26.8	27.3
27	15.9	15.2	15.5	22.3	20.4	21.3	23.8	23.0	23.4	27.5	26.5	27.1
28	15.7	15.1	15.4	22.8	21.3	21.8	24.1	23.4	23.7	27.1	26.6	26.9
29	---	---	---	22.6	19.2	21.7	25.6	23.6	24.6	27.6	26.0	26.8
30	---	---	---	20.0	17.1	18.5	26.3	25.0	25.6	27.3	26.1	26.7
31	---	---	---	17.4	16.3	16.9	---	---	---	28.0	26.2	26.9

302318088512600 BILOXI BAY AT POINT CADET HARBOR AT BILOXI, MS--Continued

Temperature, water, degrees Celsius--Continued
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	28.1	26.6	27.0	26.0	25.0	25.5	30.2	29.8	30.0	30.7	28.2	29.4
2	29.2	27.1	27.9	26.4	25.0	25.5	29.9	29.4	29.6	31.9	29.3	30.2
3	28.2	27.4	27.7	27.5	25.4	26.3	29.9	28.8	29.3	31.3	29.8	30.6
4	28.0	27.2	27.5	27.8	25.7	26.9	30.5	29.5	29.8	31.4	30.4	30.9
5	28.3	26.8	27.4	27.6	26.1	26.7	31.3	30.0	30.5	30.6	29.4	29.7
6	27.4	27.0	27.1	28.7	26.2	27.4	30.9	30.2	30.5	29.4	28.3	28.8
7	28.3	26.7	27.3	28.1	27.4	27.8	30.6	29.8	30.1	28.8	28.0	28.4
8	28.0	27.0	27.5	29.6	27.5	28.4	31.0	29.2	29.8	28.8	27.7	28.1
9	29.5	27.8	28.4	30.2	28.6	29.1	31.1	29.4	30.0	28.4	27.9	28.2
10	31.0	29.2	29.9	30.5	29.0	29.8	31.0	29.6	30.1	28.5	27.6	28.1
11	30.8	28.9	29.8	30.8	29.4	30.0	30.2	29.6	29.9	28.8	27.8	28.3
12	29.4	28.3	28.7	31.3	28.8	29.6	29.9	28.1	29.0	28.6	27.1	27.9
13	29.4	27.9	28.5	30.1	28.9	29.7	28.5	28.1	28.3	28.3	27.1	27.8
14	29.5	28.3	28.8	29.8	28.8	29.4	29.2	27.7	28.4	28.5	27.5	28.0
15	29.3	28.4	28.7	29.8	28.3	29.0	30.0	28.3	29.0	28.6	27.8	28.3
16	29.1	28.4	28.8	29.6	29.0	29.4	30.3	29.1	29.6	27.8	26.6	27.2
17	29.3	27.7	28.7	30.3	29.2	29.4	31.2	29.3	30.2	27.3	26.9	27.1
18	28.4	27.5	28.0	30.0	28.7	29.3	31.4	29.8	30.4	28.3	26.9	27.4
19	29.2	28.1	28.6	30.2	29.4	29.8	31.8	30.8	31.3	28.8	27.4	28.1
20	29.8	27.7	29.0	29.8	28.2	29.4	32.1	30.6	31.2	28.9	28.0	28.4
21	29.6	28.2	29.1	29.8	28.9	29.3	31.0	29.8	30.4	28.4	27.6	28.1
22	30.0	28.5	29.3	30.0	29.0	29.4	30.3	29.4	29.8	28.1	27.4	27.8
23	32.3	29.2	30.2	29.8	28.4	28.9	30.0	28.9	29.4	27.8	26.6	27.2
24	31.8	30.0	30.6	29.9	28.0	28.6	30.8	29.1	29.8	27.2	25.9	26.7
25	30.8	29.6	30.2	29.8	28.1	28.8	31.3	29.8	30.5	27.2	26.3	26.7
26	30.4	---	29.9	31.2	29.0	29.7	31.5	30.7	31.0	28.0	26.4	27.2
27	29.8	28.4	29.3	31.3	29.7	30.3	31.8	30.9	31.4	27.8	27.0	27.3
28	29.0	27.8	28.4	30.7	30.1	30.4	32.1	30.8	31.3	27.8	26.1	26.8
29	28.3	27.6	28.1	30.5	29.5	30.1	31.7	30.6	31.0	26.1	23.6	25.0
30	27.7	26.0	26.8	30.1	29.4	29.7	---	29.3	---	24.5	21.9	23.2
31	---	---	---	30.2	29.3	29.7	29.3	28.6	28.9	---	---	---

302110088464600 USCG BILOXI EAST CHANNEL RANGE FRONT LIGHT

LOCATION.--Lat 30°21'10", long 88°46'46", St. Stevens Meridian, Jackson County, Hydrologic Unit 03170009, on the USCG Biloxi East Channel Range Front Light platform, near Ocean Springs in Biloxi Bay.

DRAINAGE AREA.--Not applicable (open water).

PERIOD OF RECORD.--Water years 1999-2000.

PERIOD OF DAILY RECORD.--
GAGE HEIGHT: November 1998 to current year.
SPECIFIC CONDUCTANCE: November 1998 to current year.
WATER TEMPERATURE: November 1998 to current year.

INSTRUMENTATION.--Submersible transducer and data-collection platform since November 1998. Datum of gage is assumed. Water-quality monitor since November 1998.

REMARKS.--Gage height records fair. Specific conductance records fair. Water temperature records good. Interruptions in the record were due to malfunctions of the instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--
GAGE HEIGHT: Maximum recorded, 9.87 ft, Sept. 26, 2002, but may have been higher during periods of instrument malfunction; minimum recorded, 1.44 ft, Dec. 17, 2000, Feb. 17, 2001, but may have been lower during periods of instrument malfunction.
SPECIFIC CONDUCTANCE: Maximum recorded, 50,000 microsiemens, Aug. 8, 2000, but may have been higher during periods of instrument malfunction; minimum recorded, 86 microsiemens, July 2, 2003, but may have been lower during periods of instrument malfunction.
WATER TEMPERATURE: Maximum recorded, 33.8°C, Aug. 6, 1999, but may have been higher during periods of instrument malfunction; minimum recorded, 4.2°C, Jan. 3, 2001, but may have been lower during periods of instrument malfunction.

EXTREMES FOR CURRENT YEAR.--
GAGE HEIGHT: Maximum recorded, 8.56 ft, Oct. 3, but may have been higher during periods of instrument malfunction; minimum recorded, 1.88 ft, Apr. 10, but may have been lower during periods of instrument malfunction.
SPECIFIC CONDUCTANCE: Maximum recorded, 46,400 microsiemens, Jan. 31, but may have been higher during periods of instrument malfunction; minimum recorded, 86 microsiemens, July 2, but may have been lower during periods of instrument malfunction.
WATER TEMPERATURE: Maximum recorded, 32.2°C, Aug. 27-28, but may have been higher during periods of instrument malfunction; minimum recorded, 10.0°C, Feb. 8, but may have been lower during periods of instrument malfunction.

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	5.47	4.07	4.80	---	---	---	4.09	2.08	3.32	5.67	2.84	4.31
2	6.43	4.91	5.54	---	---	---	4.67	2.47	3.56	4.98	3.03	3.93
3	8.56	5.73	6.79	---	---	---	5.08	2.39	3.69	4.92	1.96	3.39
4	6.16	4.40	5.39	---	---	---	5.52	2.93	4.05	5.23	2.56	3.73
5	5.22	4.32	4.82	---	---	---	4.83	2.08	3.43	4.98	2.71	3.76
6	5.07	4.09	4.61	---	---	---	4.62	2.04	3.32	4.83	2.76	3.61
7	5.05	3.86	4.56	---	---	---	4.62	2.25	3.31	4.16	3.10	3.62
8	5.81	3.92	4.72	---	---	---	4.65	2.36	3.40	4.17	3.14	3.67
9	6.54	3.85	4.98	---	---	---	5.24	3.05	3.90	4.49	3.61	4.02
10	6.71	4.41	5.38	---	---	---	5.42	3.50	4.28	---	3.28	---
11	6.39	3.74	5.00	---	---	---	4.52	3.21	3.84	---	---	---
12	6.16	3.74	4.86	---	---	---	4.97	3.47	3.99	---	---	---
13	5.64	3.92	4.51	---	---	---	5.41	2.47	3.88	---	---	---
14	5.55	4.25	4.93	---	---	---	3.95	2.40	3.11	---	---	---
15	5.89	4.20	5.07	---	---	---	4.21	2.82	3.49	---	---	---
16	5.38	4.22	4.74	---	---	---	4.40	2.70	3.55	---	---	---
17	5.16	4.11	4.60	---	---	---	5.40	2.67	3.94	---	---	---
18	5.16	4.21	4.74	---	---	---	5.49	3.18	4.30	---	---	---
19	5.06	4.57	4.85	---	---	---	5.78	3.47	4.67	---	---	---
20	5.50	4.48	4.94	---	---	---	4.94	2.14	3.64	---	---	---
21	5.42	4.34	4.90	---	---	---	5.14	2.33	3.74	---	---	---
22	5.58	3.93	4.78	4.62	2.24	3.47	5.11	2.59	3.80	---	---	---
23	5.87	4.13	4.89	4.70	2.39	3.44	6.41	3.09	4.45	---	---	---
24	6.01	3.84	4.82	4.91	2.46	3.55	6.40	3.55	4.45	---	---	---
25	6.01	4.05	4.89	4.91	2.83	3.84	3.92	2.69	3.27	---	---	---
26	6.17	3.94	4.85	4.82	2.93	3.82	3.72	3.10	3.45	---	---	---
27	5.88	3.58	4.74	4.54	2.73	3.48	3.98	3.38	3.68	---	---	---
28	5.96	3.73	4.77	4.00	2.82	3.47	4.23	3.21	3.66	---	---	---
29	---	---	---	4.21	3.16	3.66	4.70	2.94	3.83	---	---	---
30	---	---	---	3.92	2.87	3.45	5.71	3.10	4.46	---	---	---
31	---	---	---	---	---	---	6.69	4.33	5.26	4.54	2.39	3.47

302110088464600 USCG BILOXI EAST CHANNEL RANGE FRONT LIGHT--Continued

Gage height, feet--Continued
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	4.63	2.41	3.44	5.19	3.54	4.39	3.75	3.07	3.48	5.48	3.75	4.63
2	4.82	2.43	3.54	4.86	3.14	3.92	4.31	3.61	3.93	5.11	3.56	4.40
3	4.93	3.05	3.94	4.93	3.58	4.24	4.58	3.70	4.14	5.33	3.25	4.35
4	4.85	2.21	3.56	5.25	4.23	4.72	5.12	3.95	4.51	5.71	3.47	4.63
5	4.13	3.14	3.71	4.83	4.16	4.52	5.23	3.50	4.46	5.91	4.00	4.93
6	4.79	3.38	4.12	4.68	3.63	4.25	5.61	3.80	4.80	5.75	4.00	4.89
7	4.04	3.12	3.54	5.13	3.72	4.42	5.49	3.31	4.58	5.70	3.89	4.92
8	4.28	3.02	3.55	5.12	3.72	4.43	5.69	3.08	4.71	5.65	3.87	4.86
9	4.78	3.16	4.12	4.80	3.54	4.30	4.91	2.21	3.61	5.19	4.05	4.73
10	4.40	3.17	3.79	4.99	3.29	4.13	4.31	1.88	3.17	5.27	4.24	4.77
11	4.83	2.72	3.83	5.13	3.06	4.15	4.62	2.22	3.57	4.72	3.99	4.53
12	4.36	2.98	3.68	5.24	3.25	4.29	4.86	2.55	3.81	4.45	3.72	4.08
13	4.90	2.78	3.95	5.26	3.01	4.18	4.38	2.98	3.80	4.75	3.49	4.15
14	5.46	2.78	4.03	5.11	2.97	4.19	4.19	3.11	3.73	4.88	3.44	4.24
15	5.50	3.35	4.41	5.15	3.17	4.24	4.56	3.33	3.87	5.37	3.06	4.27
16	5.14	3.49	4.18	6.25	3.29	4.77	---	---	---	5.43	2.96	4.29
17	4.52	2.37	3.49	6.04	4.12	4.89	5.22	3.34	4.40	6.10	3.37	4.61
18	4.53	2.68	3.56	5.83	4.13	4.90	5.43	3.22	4.33	5.57	2.80	4.43
19	4.54	3.51	3.91	5.83	4.38	4.98	5.62	3.44	4.50	6.11	2.93	4.54
20	4.22	3.56	3.93	5.20	4.08	4.73	5.76	3.23	4.46	5.64	3.45	4.50
21	5.20	3.93	4.64	5.03	2.93	4.13	5.48	3.07	4.40	5.68	3.47	4.58
22	5.29	2.15	4.40	5.26	2.64	4.07	5.67	2.93	4.28	4.99	3.56	4.33
23	5.25	2.33	4.13	5.16	2.69	4.03	5.50	2.99	4.31	4.86	3.71	4.36
24	4.84	2.95	3.88	5.05	2.91	4.01	5.79	3.90	4.77	4.86	4.00	4.50
25	5.06	2.75	3.89	5.01	2.72	4.02	5.24	4.21	4.72	4.47	4.09	4.34
26	5.60	2.92	4.36	5.24	3.05	4.23	4.96	3.75	4.47	4.56	3.57	4.13
27	5.25	3.25	4.24	5.71	3.35	4.70	4.84	4.03	4.42	4.55	3.45	4.07
28	5.17	2.97	4.07	5.67	3.92	4.75	4.69	4.06	4.32	4.69	3.33	4.04
29	---	---	---	4.89	3.16	3.81	4.75	3.99	4.41	4.77	3.00	3.91
30	---	---	---	4.02	2.73	3.08	5.18	3.98	4.55	4.69	3.11	3.92
31	---	---	---	3.66	2.72	3.25	---	---	---	4.96	2.79	3.92
		JUNE			JULY			AUGUST			SEPTEMBER	
1	4.83	2.84	3.80	6.55	3.81	5.15	4.80	3.46	4.16	6.03	4.61	5.30
2	5.09	3.05	4.09	5.80	3.62	4.85	4.65	3.73	4.23	5.97	4.26	5.08
3	5.36	3.05	4.26	5.67	3.83	4.76	4.43	4.07	4.30	6.03	4.09	5.03
4	5.34	3.08	4.25	6.18	3.83	4.71	4.89	3.93	4.34	6.10	3.90	4.97
5	5.43	3.18	4.41	5.34	3.66	4.59	4.95	3.50	4.21	5.92	3.77	4.97
6	5.79	3.74	4.64	5.02	3.71	4.66	5.06	3.20	4.10	6.24	3.98	5.10
7	4.99	3.74	4.41	5.23	4.51	4.87	5.03	2.75	3.96	6.11	4.05	5.05
8	4.56	3.73	4.23	5.54	4.12	4.76	5.23	2.90	4.10	5.94	4.02	5.01
9	4.53	3.81	4.11	5.44	3.76	4.64	5.58	3.08	4.35	5.78	4.15	4.97
10	4.55	3.47	4.06	5.45	3.14	4.39	5.55	3.17	4.38	5.40	4.38	4.86
11	5.00	2.94	4.13	5.58	3.01	4.38	5.52	3.26	4.35	5.26	4.46	4.86
12	5.31	2.73	4.15	5.73	3.38	4.53	5.86	3.70	4.70	5.30	4.74	4.98
13	5.76	2.96	4.30	6.09	3.33	4.72	5.47	3.60	4.49	5.39	4.57	5.03
14	5.81	2.48	4.34	6.48	3.68	4.91	5.19	3.70	4.36	5.41	4.34	4.84
15	5.75	2.44	4.22	6.07	3.75	4.93	5.59	3.71	4.71	5.35	4.19	4.65
16	5.59	2.72	4.25	---	3.64	4.61	5.01	4.47	4.71	5.38	4.48	4.77
17	5.71	2.89	4.47	5.37	3.39	4.46	4.92	4.27	4.59	---	---	---
18	5.58	3.41	4.54	5.09	3.80	4.56	4.92	4.17	4.51	---	4.24	---
19	5.37	3.84	4.56	4.70	4.02	4.37	5.07	3.77	4.37	5.56	3.73	4.63
20	4.86	3.83	4.34	4.66	4.02	4.31	4.99	3.85	4.44	5.27	3.90	4.60
21	4.71	---	---	4.50	3.86	4.21	5.34	4.06	4.70	6.04	4.25	5.21
22	---	---	---	4.77	3.53	4.13	5.72	4.18	4.96	6.76	3.92	5.22
23	---	---	---	5.22	3.19	4.13	5.97	4.12	5.07	5.62	4.02	5.07
24	---	---	---	5.10	3.01	4.16	5.90	3.89	4.94	---	---	---
25	---	---	---	5.23	3.27	4.30	5.76	3.82	4.81	---	---	---
26	5.56	3.94	4.81	5.50	3.32	4.39	5.63	3.74	4.69	---	---	---
27	5.69	3.59	4.73	5.40	3.25	4.36	5.90	3.99	4.91	---	---	---
28	5.98	3.98	5.02	5.48	3.24	4.39	5.51	4.27	4.87	---	---	---
29	6.25	4.00	5.12	5.45	3.14	4.34	5.77	4.67	5.38	---	---	---
30	7.15	4.11	6.14	5.34	3.12	4.31	5.64	5.12	5.33	---	---	---
31	---	---	---	5.17	3.35	4.26	5.95	5.20	5.52	---	---	---

302110088464600 USCG BILOXI EAST CHANNEL RANGE FRONT LIGHT--Continued

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	OCTOBER MAX	OCTOBER MIN	OCTOBER MEAN	NOVEMBER MAX	NOVEMBER MIN	NOVEMBER MEAN	DECEMBER MAX	DECEMBER MIN	DECEMBER MEAN	JANUARY MAX	JANUARY MIN	JANUARY MEAN
1	27600	24600	26000	---	---	---	37600	29300	35200	35700	11000	19500
2	27600	19500	25000	---	---	---	38400	32200	36400	35700	9620	20900
3	30200	12800	20800	---	---	---	36900	30800	32900	30100	6740	18800
4	31800	18100	23300	---	---	---	36400	31100	33000	45400	22300	33700
5	37400	21400	33100	---	---	---	37700	28500	32400	33400	17700	27300
6	37300	24400	33100	---	---	---	40300	28400	33800	39600	28700	33300
7	35700	26600	31400	---	---	---	42100	31000	37300	39400	31500	35500
8	37900	28500	33500	---	---	---	39300	34500	37900	41000	32700	37300
9	33000	22800	27800	---	---	---	38500	36600	37800	38800	36600	37400
10	---	---	---	---	---	---	39900	36100	37500	37200	---	---
11	---	---	---	---	---	---	41900	37100	39600	---	---	---
12	---	---	---	---	---	---	42600	34400	38500	---	---	---
13	---	---	---	---	---	---	38400	24400	32800	---	---	---
14	---	---	---	---	---	---	37900	24400	33900	---	---	---
15	---	---	---	---	---	---	38700	29400	36100	---	---	---
16	---	---	---	---	---	---	38100	34100	36200	---	---	---
17	---	---	---	---	---	---	38100	26700	33800	---	---	---
18	---	---	---	---	---	---	32800	16800	27000	---	---	---
19	---	---	---	---	---	---	33500	18700	26700	---	---	---
20	---	---	---	---	---	---	37700	16100	27500	---	---	---
21	---	---	---	37600	---	---	37400	25800	33300	---	---	---
22	---	---	---	38300	22100	30300	34000	22700	28400	---	---	---
23	---	---	---	38600	29100	34700	32700	23800	29200	---	---	---
24	---	---	---	35800	27600	32400	29800	20300	25300	---	---	---
25	---	---	---	31200	26000	28900	32500	8920	23500	---	---	---
26	---	---	---	31700	26800	28800	40100	32100	35600	---	---	---
27	---	---	---	37400	27500	32100	38500	22400	32500	---	---	---
28	---	---	---	40500	31400	36600	35300	21800	29800	---	---	---
29	---	---	---	39600	35300	38500	34700	22200	28800	---	---	---
30	---	---	---	37500	29200	35200	26800	10800	17700	46400	---	---
31	---	---	---	---	---	---	17200	9110	12400	46400	38300	42500

DAY	FEBRUARY MAX	FEBRUARY MIN	FEBRUARY MEAN	MARCH MAX	MARCH MIN	MARCH MEAN	APRIL MAX	APRIL MIN	APRIL MEAN	MAY MAX	MAY MIN	MAY MEAN
1	42700	36100	39700	33200	23300	27800	20400	13500	18600	24100	21500	23000
2	42800	36200	39700	39300	24100	32500	21200	18600	20200	23900	22000	22600
3	43200	39100	41300	39000	27800	32700	21500	12300	19100	25400	21300	23700
4	43100	32900	37800	31700	21800	26800	18500	11100	14900	22700	18500	20800
5	44600	38800	42500	25000	14000	21400	20800	11800	17600	21400	16800	19700
6	43700	34800	38300	29500	14200	21900	22200	14800	18400	24200	18300	21200
7	38300	37100	37600	25700	20700	22800	22500	11900	18500	21600	18600	20200
8	42600	36800	40200	22500	13500	16300	26500	14600	22200	23800	19500	21500
9	42000	35800	38000	22800	15900	19100	25000	6540	14500	19600	15000	18100
10	39100	36800	38100	24900	19600	21500	23400	4600	15400	15300	10000	13200
11	45400	35900	41100	21400	19400	20400	30400	15800	23500	19100	14500	17100
12	43600	34800	40300	19900	11300	15000	34000	23300	28600	19200	17500	18500
13	42200	32100	36400	13800	9000	11500	36400	26100	30000	18800	17600	18300
14	37900	29300	35800	22100	10100	15100	35600	26200	32000	18400	16800	17900
15	37500	26300	30900	18400	9960	14300	34700	13400	30300	18800	13400	17100
16	41300	25700	34600	17600	12100	14200	24300	10500	16300	17300	14700	16200
17	41600	28500	34500	20100	12000	15300	18000	9590	14200	17000	15500	16200
18	41600	34400	39400	21200	9100	14300	24900	15100	21000	19300	15400	17200
19	39600	27500	34800	14500	10000	11700	18300	10800	14900	18900	15400	17100
20	34600	25700	30700	21100	12500	17100	15300	11600	13200	17200	13100	14700
21	32500	24100	26900	20500	9630	16200	25900	10100	17000	17200	10400	14000
22	26400	13800	23600	21500	9710	16400	28700	13300	21500	31800	13200	24100
23	31600	13700	25100	24200	11700	19400	26400	15700	22200	31800	24800	27700
24	29800	19100	24100	21300	14300	18900	23900	16500	20500	26800	23100	25300
25	35100	15600	27500	22300	12100	18000	25600	16400	20000	24800	21400	23100
26	32800	22700	26000	19200	9580	13500	30400	19700	26100	24900	19800	23300
27	35700	17800	26600	21700	11200	17400	30000	23700	27900	27900	22700	25500
28	37500	25500	31600	21300	15100	18100	30100	28400	29300	26900	20000	24500
29	---	---	---	19200	13900	15500	29600	25500	28200	28200	21800	25600
30	---	---	---	16600	11800	13400	26400	22100	25300	29700	24400	27500
31	---	---	---	20500	12200	15700	---	---	---	29800	23100	27900

302110088464600 USCG BILOXI EAST CHANNEL RANGE FRONT LIGHT--Continued

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius--Continued
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	29800	23700	28200	11800	101	2930	27300	17300	24300	27200	19000	21600
2	29200	24300	27300	24800	86	9510	26900	20300	24600	29500	20900	26400
3	29300	25100	27700	21900	532	12400	29600	24500	27500	31000	28400	29400
4	35300	24600	29400	19500	3160	14000	30900	22600	27700	31800	27600	30400
5	32600	27700	29700	16200	7640	13700	31200	22700	27800	35700	26500	30500
6	29300	23800	26400	15300	6520	11200	31000	22600	27600	35700	29300	33300
7	25800	20100	23200	11200	3770	6540	32000	22800	27300	31800	26800	30500
8	30300	14500	24000	6080	2090	4060	36000	23400	31700	29900	26800	28400
9	29200	21600	26100	4160	1840	2940	37600	26900	34000	28000	25300	27200
10	28300	15600	24300	14100	2270	7140	37000	28100	34100	26700	25300	26000
11	30500	14700	23100	14700	5130	10600	35500	31000	33500	26500	24900	25800
12	29800	15200	23000	23000	8220	18000	34500	29200	33000	27400	24700	25600
13	29100	10500	19800	15300	11100	13600	30300	24900	27700	31700	24800	26900
14	23800	9970	18500	12400	7560	9530	27400	23300	25300	35200	27800	32000
15	23300	8530	17400	9550	5550	7380	31300	22500	28800	35700	32500	34300
16	23900	9340	19000	10900	5360	7830	28700	25700	27300	34600	34000	34200
17	24600	16100	21000	20900	7600	14900	29400	25800	27700	---	---	---
18	26500	16200	22300	15500	8360	12300	31800	25900	28400	32400	31200	32000
19	25800	15400	22500	17200	11700	15200	32000	28200	31200	31800	28800	31000
20	25500	15400	23200	19500	12600	17000	32700	30600	31800	36400	31100	32500
21	27800	---	---	19200	12400	15300	31700	27200	30000	35600	30000	33400
22	---	---	---	19900	10500	14600	28900	27000	28000	34700	28900	31800
23	---	---	---	21800	10400	16600	30100	26800	28700	34000	29600	31400
24	---	---	---	25800	15800	22300	30300	26500	28400	---	---	---
25	---	7450	---	22200	13700	18600	29500	26600	28200	---	---	---
26	18400	5800	13100	18200	13500	15900	27200	23200	26100	---	---	---
27	20600	8510	14300	20900	13700	17000	26700	23200	24600	---	---	---
28	21600	9420	15600	23100	10500	16800	26800	22500	24600	---	---	---
29	14800	8020	11500	24700	13900	21100	25100	22300	23900	---	---	---
30	15800	4970	11700	29300	12900	23400	26800	22200	24500	---	---	---
31	---	---	---	27000	16200	23000	25900	20200	23300	---	---	---

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	29.2	27.4	28.1	---	---	---	15.0	13.2	14.1	15.2	13.8	14.6
2	28.8	27.0	27.9	---	---	---	14.2	12.9	13.7	15.1	13.1	14.3
3	27.4	26.4	26.9	---	---	---	14.7	13.7	14.1	13.2	12.2	12.7
4	28.5	27.0	27.5	---	---	---	16.1	14.4	15.3	16.0	11.8	13.5
5	28.6	27.5	27.8	---	---	---	16.1	13.7	15.0	13.6	11.9	12.9
6	30.4	27.8	28.4	---	---	---	13.7	12.5	13.0	14.5	13.0	13.7
7	29.5	28.2	28.7	---	---	---	14.4	12.0	13.1	14.5	12.4	13.3
8	29.1	27.5	28.2	---	---	---	13.6	12.5	13.1	13.5	12.2	12.7
9	29.0	27.4	28.0	---	---	---	13.6	12.4	12.8	13.1	12.0	12.5
10	27.7	27.3	27.4	---	---	---	13.6	12.1	12.7	---	13.0	---
11	27.7	26.8	27.3	---	---	---	13.6	12.0	12.8	---	---	---
12	28.1	27.6	27.7	---	---	---	13.9	11.9	12.7	---	---	---
13	28.2	26.9	27.7	---	---	---	13.3	12.0	12.5	---	---	---
14	26.9	24.2	25.3	---	---	---	12.5	11.5	12.0	---	---	---
15	24.6	23.0	23.8	---	---	---	12.6	11.8	12.2	---	---	---
16	25.4	22.6	23.8	---	---	---	13.0	12.3	12.6	---	---	---
17	25.3	23.4	24.6	---	---	---	13.6	12.7	13.0	---	---	---
18	24.1	22.2	23.4	---	---	---	15.3	13.1	14.2	---	---	---
19	23.3	22.1	22.8	---	---	---	15.8	14.7	15.2	---	---	---
20	23.0	22.5	22.8	---	---	---	15.7	15.0	15.4	---	---	---
21	23.8	23.0	23.5	---	---	---	15.4	15.0	15.2	---	---	---
22	24.8	23.3	24.1	18.1	16.5	17.3	16.5	15.2	15.6	---	---	---
23	24.8	23.8	24.1	17.8	15.6	16.7	16.6	15.6	16.0	---	---	---
24	24.1	23.5	23.7	17.1	15.8	16.3	17.9	15.8	16.9	---	---	---
25	23.8	23.2	23.6	18.1	16.1	17.0	16.6	14.5	15.1	---	---	---
26	23.8	23.5	23.6	18.9	17.1	18.0	14.8	13.1	14.1	---	---	---
27	24.1	23.4	23.7	18.4	16.2	17.4	14.6	11.3	13.4	---	---	---
28	24.8	23.8	24.1	17.2	15.0	15.9	14.2	13.0	13.7	---	---	---
29	---	---	---	15.2	13.8	14.5	14.2	13.0	13.8	---	---	---
30	---	---	---	15.7	14.4	14.9	14.1	13.6	13.9	13.0	---	---
31	---	---	---	---	---	---	15.1	13.7	14.2	12.8	11.6	12.5

302110088464600 USCG BILOXI EAST CHANNEL RANGE FRONT LIGHT--Continued

Temperature, water, degrees Celsius--Continued
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	13.0	11.8	12.4	15.3	15.0	15.1	18.0	15.3	16.6	26.7	25.2	25.9
2	14.3	12.2	12.8	15.8	15.0	15.4	18.6	17.0	17.9	27.4	25.8	26.4
3	14.7	12.6	13.8	15.8	14.2	14.8	20.1	18.3	19.2	27.8	25.9	26.8
4	14.5	13.8	14.2	14.8	14.1	14.3	21.7	19.6	20.0	27.6	26.0	26.9
5	13.8	12.6	13.1	15.3	14.4	14.6	21.6	20.2	20.7	27.8	26.5	27.2
6	13.2	12.3	12.5	15.6	14.8	15.1	22.4	20.6	21.6	28.3	27.0	27.7
7	12.4	10.5	11.6	16.7	15.2	15.6	22.5	21.5	22.0	28.4	27.5	27.9
8	11.6	10.0	10.9	17.2	16.3	16.7	22.2	21.0	21.4	28.7	27.5	28.0
9	11.5	10.5	11.1	17.2	16.3	16.7	21.0	17.2	18.8	28.6	27.6	28.1
10	12.4	11.1	11.7	18.1	16.0	16.9	17.2	13.5	16.1	29.0	27.7	28.4
11	13.0	11.0	12.2	18.2	16.9	17.5	17.8	15.1	16.6	29.0	27.9	28.3
12	13.9	12.3	13.0	18.1	17.4	17.6	19.1	17.0	17.8	29.0	27.2	27.9
13	14.0	12.8	13.3	19.0	17.6	18.2	21.3	17.9	19.0	27.8	25.4	26.7
14	14.7	13.5	14.1	19.4	18.3	18.6	21.5	19.4	20.3	27.2	25.0	26.0
15	15.8	14.4	15.0	20.6	18.7	19.5	22.7	20.4	21.6	27.6	26.0	26.8
16	16.0	15.4	15.7	20.0	18.5	19.1	23.1	---	22.2	28.6	26.7	27.4
17	15.4	13.6	14.5	19.6	18.6	19.2	24.4	22.0	23.0	28.4	27.3	27.8
18	14.3	13.3	13.7	19.8	18.7	19.4	24.6	22.4	23.6	28.1	27.0	27.4
19	14.7	13.7	14.0	21.2	19.4	20.0	24.6	23.4	24.0	27.5	26.0	26.9
20	15.5	14.2	14.8	21.2	19.7	20.4	24.7	22.9	23.8	27.5	26.7	27.0
21	15.5	15.0	15.2	21.0	20.3	20.7	25.1	23.6	24.2	27.0	26.1	26.6
22	15.8	14.9	15.5	20.4	19.2	19.8	25.1	22.9	23.8	26.8	26.2	26.5
23	15.4	13.9	14.7	20.6	19.1	19.8	23.9	22.7	23.1	26.5	24.4	25.7
24	15.8	14.8	15.2	20.9	19.2	20.1	23.1	22.0	22.6	27.5	25.7	26.5
25	16.6	15.0	15.6	21.1	20.2	20.5	23.8	22.5	23.0	27.5	26.5	26.9
26	15.7	14.8	15.0	21.8	19.9	20.8	24.1	23.0	23.5	28.1	26.7	27.3
27	15.6	15.1	15.3	22.2	20.2	21.3	23.9	22.3	22.9	27.6	26.4	26.8
28	15.5	14.6	15.3	23.1	21.1	22.0	25.3	23.3	23.8	27.3	25.0	25.9
29	---	---	---	22.6	19.7	21.6	26.4	24.2	25.2	26.9	25.3	26.1
30	---	---	---	19.7	16.6	18.2	26.4	24.9	25.5	27.8	25.6	26.6
31	---	---	---	17.6	15.0	16.3	---	---	---	27.6	25.7	26.6
		JUNE			JULY			AUGUST			SEPTEMBER	
1	27.6	26.2	27.0	26.2	25.0	25.5	30.2	29.2	29.5	30.2	28.1	28.8
2	28.7	26.9	27.8	26.7	24.8	26.0	29.7	28.9	29.3	31.0	29.2	29.8
3	28.6	27.0	27.6	27.8	25.4	27.0	29.6	28.7	29.1	31.3	29.6	30.3
4	27.9	26.8	27.2	28.1	26.7	27.3	31.1	29.0	29.8	30.8	30.0	30.3
5	28.0	26.6	27.2	27.4	26.6	26.8	30.6	29.4	30.0	30.4	28.9	29.4
6	27.7	27.0	27.2	27.8	26.0	26.8	30.9	29.5	30.1	29.7	28.6	29.0
7	28.6	26.6	27.2	28.1	26.9	27.7	30.3	29.3	29.6	28.6	27.8	28.2
8	30.2	27.3	28.4	29.0	26.7	27.9	30.3	28.5	29.2	28.9	27.5	28.0
9	29.1	28.0	28.5	30.1	27.8	28.8	30.1	29.0	29.5	28.8	27.9	28.4
10	29.9	28.8	29.3	30.3	28.8	29.7	31.2	29.4	30.0	28.7	27.7	28.1
11	29.6	28.5	29.1	30.2	28.9	29.5	30.8	29.8	30.2	28.6	27.6	28.2
12	28.7	28.1	28.5	31.0	29.0	29.5	30.7	28.2	29.2	28.3	27.4	28.0
13	29.0	27.9	28.3	31.1	29.6	30.4	28.3	27.4	27.9	28.7	27.6	28.0
14	29.9	28.1	28.8	30.5	28.5	29.0	29.0	27.5	28.1	28.2	27.8	28.0
15	29.4	28.2	28.8	29.4	27.2	28.0	29.4	28.0	28.8	28.3	27.6	28.0
16	30.0	28.4	28.8	29.9	28.2	29.0	30.0	29.1	29.4	27.9	26.6	27.0
17	29.7	28.5	28.9	29.7	28.5	28.9	30.8	29.3	29.9	---	---	---
18	29.5	27.8	28.3	30.0	28.4	29.0	31.4	29.9	30.4	27.9	26.9	27.4
19	29.6	28.2	29.1	30.2	28.8	29.5	31.1	30.3	30.6	28.5	27.1	27.6
20	29.6	28.4	29.0	29.7	28.9	29.2	31.2	30.2	30.5	28.6	27.7	28.1
21	29.8	29.0	29.2	29.9	28.1	29.0	30.3	29.4	29.8	28.4	27.8	28.1
22	---	---	---	30.2	28.4	29.3	29.5	28.7	29.2	28.0	27.3	27.6
23	---	---	---	29.7	28.3	28.8	30.6	28.7	29.3	27.3	26.3	26.9
24	---	---	---	30.5	28.1	28.7	31.0	29.3	29.9	---	---	---
25	29.7	---	---	31.0	28.6	29.6	31.5	30.0	30.7	---	---	---
26	30.7	28.6	29.3	31.7	29.4	30.2	32.1	30.7	31.3	---	---	---
27	29.8	28.5	29.2	32.0	29.7	30.4	32.2	31.1	31.6	---	---	---
28	29.1	28.1	28.5	31.4	30.1	30.5	32.2	30.9	31.5	---	---	---
29	28.1	27.4	27.8	30.8	29.6	30.1	31.2	30.1	30.7	---	---	---
30	27.5	26.0	26.8	30.4	29.1	29.7	30.6	29.0	29.7	---	---	---
31	---	---	---	30.8	29.1	29.8	29.1	28.4	28.6	---	---	---

02481510 WOLF RIVER NEAR LANDON, 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 mi^2.

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 NGVD of 1929. Prior to Oct. 18, 1978, at datum 7.00 ft higher. Oct. 18, 1978 to Oct. 15, 1990, at datum 5.00 ft higher.

REMARKS.--Estimated daily discharges: Oct. 27-28. 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 30	0015	6,200	16.77	Apr. 8	2300	6,420	17.04
Nov. 12	1215	6,950	17.66	Jul. 1	0445	*11,700	*22.61
Dec. 25	1400	4,340	14.32	Jul. 5	1945	8,610	19.51
Jan. 1	0115	5,170	15.45				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	815	1340	437	4490	334	1890	400	219	109	10900	581	1430
2	668	932	423	2580	292	1200	357	207	101	11300	570	790
3	696	764	380	1460	266	925	335	199	158	7090	525	446
4	1860	721	363	968	373	793	326	189	196	2560	714	452
5	2080	1020	462	742	413	740	323	182	241	4570	705	335
6	1360	1980	710	639	318	673	346	177	349	3880	494	266
7	852	1470	564	560	343	1010	424	172	1180	2490	448	568
8	710	966	448	503	498	1450	4240	168	1450	2350	1130	514
9	667	728	383	474	406	1450	5950	163	646	1630	598	291
10	1180	642	1550	457	341	1140	3550	158	321	1160	376	281
11	1640	1950	2750	431	359	850	1680	153	225	823	297	250
12	1100	6020	1390	398	316	868	969	149	242	721	262	232
13	737	4210	1340	377	273	2530	696	144	409	652	288	221
14	550	1710	1200	361	247	3660	560	135	376	540	320	1070
15	920	1080	798	353	239	2740	474	128	640	561	297	884
16	850	836	627	344	698	1610	414	129	905	563	253	414
17	590	763	542	335	1250	1700	380	130	776	1090	311	278
18	449	678	492	324	875	1740	353	129	548	1090	623	234
19	375	563	710	316	540	1250	326	153	342	765	498	223
20	338	609	2510	309	369	944	306	357	273	1570	394	212
21	324	1710	1580	307	1250	737	293	334	1400	681	1170	201
22	322	1360	920	307	3070	612	282	371	2170	516	1780	1260
23	394	827	744	302	2210	531	268	401	1280	817	752	2380
24	474	613	2700	287	1260	482	254	271	632	3210	462	1270
25	385	521	4160	274	792	444	255	222	419	1580	332	559
26	1700	466	2760	270	706	421	295	194	295	1010	269	389
27	e760	430	1480	269	3130	508	326	175	249	845	242	319
28	e1550	400	989	266	2730	612	263	179	371	981	236	295
29	4940	378	791	263	---	465	247	180	593	592	234	256
30	5130	385	686	271	---	441	235	157	2190	769	279	217
31	2490	---	2700	312	---	466	---	126	---	638	488	---
TOTAL	36906	36072	37589	19549	23898	34882	25127	6051	19086	67944	15928	16537
MEAN	1191	1202	1213	631	854	1125	838	195	636	2192	514	551
MAX	5130	6020	4160	4490	3130	3660	5950	401	2190	11300	1780	2380
MIN	322	378	363	263	239	421	235	126	101	516	234	201
MED	760	796	791	344	410	868	340	175	392	1010	448	327
CFSM	3.87	3.90	3.94	2.05	2.77	3.65	2.72	0.63	2.07	7.12	1.67	1.79
IN.	4.46	4.36	4.54	2.36	2.89	4.21	3.03	0.73	2.31	8.21	1.92	2.00
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2003, BY WATER YEAR (WY)												
MEAN	255	398	638	986	1029	1078	908	616	364	454	390	460
MAX	1231	1202	1511	3291	2489	2424	3008	2641	1259	2192	1778	1676
(WY)	1986	2003	1984	1998	1990	1980	1980	1991	2001	2003	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1971 - 2003	
ANNUAL TOTAL	260751		339569			
ANNUAL MEAN	714		930		628	
HIGHEST ANNUAL MEAN					943	1980
LOWEST ANNUAL MEAN					73.0	2000
HIGHEST DAILY MEAN	13800	Sep 26	11300	Jul 2	18700	May 10 1995
LOWEST DAILY MEAN	49	May 29	101	Jun 2	11	Jul 15 2000
ANNUAL SEVEN-DAY MINIMUM	53	May 23	135	May 12	11	Oct 29 2000
MAXIMUM PEAK FLOW			11700	Jul 1	24500	May 10 1995
MAXIMUM PEAK STAGE			22.61	Jul 1	28.85	May 10 1995
ANNUAL RUNOFF (CFSM)	2.32		3.02		2.04	
ANNUAL RUNOFF (INCHES)	31.49		41.01		27.70	
10 PERCENT EXCEEDS	1580		2020		1450	
50 PERCENT EXCEEDS	360		525		271	
90 PERCENT EXCEEDS	86		229		73	

e Estimated

301932089193120 BAY-WAVELAND YACHT CLUB AT ST LOUIS BAY, MS

LOCATION.--Lat 30°19'33", long 89°19'31", in sec.20, T.8 S., R.13 W., St. Stevens Meridian, Hancock County, Hydrologic Unit 03170009, on the pier behind Bay-Waveland Yacht Club.

DRAINAGE AREA.--Not applicable (open water).

PERIOD OF DAILY RECORD.--
GAGE HEIGHT: August 2001 to current year.
SPECIFIC CONDUCTANCE: August 2001 to current year.
WATER TEMPERATURE: August 2001 to current year.

INSTRUMENTATION.--Submersible transducer and data-collection platform since August 2001. Datum of gage is NAVD of 1988. Prior to Oct. 3, 2003, datum of gage was 2.72 ft lower. Water-quality monitor since August 2001.

REMARKS.--Gage height records good. Specific conductance records good. Water temperature records good. Interruptions in the record were due to malfunctions of the instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--
GAGE HEIGHT: Maximum recorded, 7.57 ft, Sept. 25, 2002, but may have been higher during periods of instrument malfunction; minimum recorded, -1.89 ft, Jan. 19, 2003, but may have been lower during periods of instrument malfunction.
SPECIFIC CONDUCTANCE: Maximum recorded, 35,900 microsiemens, Jan. 27, 2003, but may have been higher during periods of instrument malfunction; minimum recorded, 216 microsiemens, Apr. 10, 2003, but may have been lower during periods of instrument malfunction.
WATER TEMPERATURE: Maximum recorded, 34.0°C, July 20, 2002, but may have been higher during periods of instrument malfunction; minimum recorded, 3.9°C, Jan. 24, 2003, but may have been lower during periods of instrument malfunction.

EXTREMES FOR CURRENT YEAR.--
GAGE HEIGHT: Maximum recorded, 4.46 ft, June 30, but may have been higher during periods of instrument malfunction; minimum recorded, -1.89 ft, Jan. 19, but may have been lower during periods of instrument malfunction.
SPECIFIC CONDUCTANCE: Maximum recorded, 35,900 microsiemens, Jan. 27, but may have been higher during periods of instrument malfunction; minimum recorded, 216 microsiemens, Apr. 10, but may have been lower during periods of instrument malfunction.
WATER TEMPERATURE: Maximum recorded, 32.9°C, Aug. 19, but may have been higher during periods of instrument malfunction; minimum recorded, 3.9°C, Jan. 24, but may have been lower during periods of instrument malfunction.

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	1.02	-1.06	0.22	2.28	-0.85	0.58
2	---	---	---	---	---	---	1.53	-0.64	0.42	2.01	-0.40	0.16
3	---	---	---	---	---	---	1.89	-0.84	0.50	1.35	-1.62	-0.36
4	---	---	---	---	---	---	2.17	-0.35	0.89	1.50	-0.91	0.21
5	---	---	---	---	---	---	1.95	-1.28	0.13	1.50	-1.12	0.06
6	---	---	---	---	---	---	1.53	-0.88	0.20	1.33	-0.78	0.12
7	---	---	---	---	---	---	1.55	-0.85	0.24	0.88	-0.47	0.04
8	---	---	---	---	---	---	1.40	-0.72	0.30	0.50	-0.71	-0.17
9	---	---	---	---	---	---	1.76	0.06	0.79	0.78	-0.21	0.20
10	---	---	---	---	---	---	2.33	0.23	1.09	0.72	-0.37	0.21
11	---	---	---	---	---	---	1.30	-0.06	0.71	0.82	-0.28	0.29
12	---	---	---	---	---	---	2.52	0.50	1.08	0.85	-0.46	0.30
13	---	---	---	---	---	---	2.63	-1.03	0.61	1.18	-0.17	0.46
14	---	---	---	---	---	---	0.68	-1.12	-0.28	1.19	-0.91	0.18
15	---	---	---	---	---	---	1.00	-0.46	0.24	1.36	-0.91	0.25
16	---	---	---	---	---	---	1.29	-0.70	0.28	1.33	-0.73	0.23
17	---	---	---	---	---	---	2.16	-0.75	0.62	0.84	-1.68	-0.67
18	---	---	---	---	---	---	2.32	-0.14	1.08	0.89	-0.99	-0.08
19	---	---	---	---	---	---	2.26	0.40	1.42	1.40	-1.89	-0.43
20	---	---	---	---	---	---	1.62	-1.09	0.17	1.40	-1.34	-0.12
21	---	---	---	---	---	---	2.02	-0.90	0.42	1.25	-0.68	0.24
22	---	---	---	1.66	-0.86	0.25	2.02	-0.84	0.42	1.38	-0.52	0.24
23	---	---	---	1.57	-0.65	0.32	3.06	0.00	1.19	0.07	-1.63	-0.80
24	---	---	---	1.66	-0.69	0.42	3.06	-0.63	0.77	0.17	-0.64	-0.28
25	---	---	---	1.75	-0.37	0.67	0.21	-0.96	-0.42	0.76	-0.70	0.02
26	---	---	---	1.73	-0.36	0.63	0.64	-0.19	0.16	1.11	-0.82	0.21
27	---	---	---	1.28	-0.53	0.34	0.64	0.06	0.31	1.17	-1.19	0.06
28	---	---	---	1.02	-0.33	0.39	0.83	-0.33	0.20	1.52	-0.96	0.27
29	---	---	---	0.86	-0.10	0.46	1.44	-0.70	0.36	1.80	-0.69	0.54
30	---	---	---	0.85	-0.32	0.13	2.54	-0.47	0.98	1.76	-1.03	0.35
31	---	---	---	---	---	---	2.64	0.77	1.72	1.53	-0.72	0.29

301932089193120 BAY-WAVELAND YACHT CLUB AT ST LOUIS BAY, MS--Continued

Gage height, feet--Continued
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1.32	-0.86	0.12	2.00	0.35	1.12	0.36	-0.60	-0.05	2.18	0.29	1.33
2	1.54	-0.88	0.21	1.65	-0.24	0.61	1.16	0.12	0.53	1.85	0.12	1.01
3	1.60	-0.26	0.66	2.04	0.48	1.15	1.45	0.39	0.89	1.86	-0.20	0.95
4	1.60	-1.07	0.16	2.29	1.09	1.64	1.88	0.57	1.20	2.37	-0.20	1.25
5	0.77	0.05	0.48	1.57	0.75	1.18	1.94	0.27	1.16	2.64	0.69	1.58
6	1.68	0.22	1.02	1.27	0.71	1.02	2.58	0.30	1.64	2.48	0.58	1.31
7	0.38	-0.34	0.11	1.84	0.19	1.21	2.20	0.40	1.31	2.29	0.63	1.49
8	0.97	-0.26	0.28	1.95	0.23	1.20	2.85	0.22	1.55	2.45	0.47	1.52
9	1.62	-0.12	0.86	1.47	0.14	0.96	1.07	-0.94	0.02	1.95	0.72	1.45
10	0.98	-0.43	0.35	1.75	-0.20	0.80	0.60	-1.59	-0.48	1.83	---	---
11	1.50	-0.56	0.49	1.89	-0.39	0.83	1.22	-1.32	0.21	1.30	0.75	0.94
12	1.01	-0.52	0.31	1.98	-0.11	0.98	1.43	-1.15	0.33	1.28	0.40	0.77
13	1.57	-0.61	0.58	1.69	-0.31	0.80	1.04	-0.75	0.37	1.67	0.36	0.88
14	2.08	-0.52	0.65	1.80	-0.49	0.84	0.84	-0.52	0.32	1.46	---	---
15	2.22	-0.08	1.08	1.79	-0.24	0.88	1.04	-0.12	0.47	1.70	-0.49	0.61
16	2.16	-0.01	0.68	3.06	-0.02	1.54	1.74	0.35	1.09	1.89	-0.26	0.88
17	1.25	-1.03	-0.03	2.99	0.55	1.44	1.65	-0.31	0.80	2.38	-0.21	1.04
18	1.26	-0.55	0.25	2.59	0.77	1.76	2.23	-0.22	1.06	1.92	-0.58	0.65
19	1.24	0.06	0.59	2.58	0.89	1.60	2.35	-0.22	1.28	2.78	-0.68	0.86
20	0.90	0.14	0.62	1.93	0.46	1.30	2.45	0.17	1.20	2.22	-0.14	0.99
21	2.53	0.47	1.54	1.84	-0.66	0.64	2.07	-0.07	1.02	2.24	0.14	0.99
22	1.95	-1.30	0.58	1.96	-0.55	0.78	2.36	-0.45	0.92	1.56	0.01	0.83
23	1.98	-1.30	0.72	1.81	-0.55	0.67	2.29	0.20	1.48	---	0.21	---
24	1.62	-0.62	0.51	1.81	-0.64	0.62	2.64	0.68	1.60	---	---	---
25	1.79	-0.95	0.52	1.83	-0.80	0.63	1.83	0.54	1.19	---	---	---
26	2.35	-0.30	1.06	2.02	-0.48	0.84	1.69	0.27	1.03	---	---	---
27	1.82	-0.29	0.80	2.42	0.05	1.36	1.52	---	---	---	---	---
28	2.02	-0.33	0.80	2.40	0.58	1.44	1.35	0.68	0.93	---	---	---
29	---	---	---	1.95	---	---	1.47	---	---	---	---	---
30	---	---	---	-0.25	-0.98	-0.65	1.89	0.52	1.24	---	---	---
31	---	---	---	0.20	-0.55	-0.12	---	---	---	---	---	---
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	1.43	-0.42	0.50	2.70	1.04	1.90
2	---	---	---	---	---	---	1.20	-0.29	0.52	2.55	0.71	1.63
3	1.92	-0.70	0.65	2.40	0.05	1.21	0.96	0.19	0.66	2.54	0.79	1.58
4	1.99	-0.77	0.72	2.94	0.14	1.13	1.10	0.24	0.65	2.59	0.29	1.45
5	2.07	-0.41	1.05	1.63	0.30	1.08	1.09	-0.41	0.43	2.47	0.20	1.48
6	2.30	0.13	1.09	1.62	0.23	1.18	1.46	-0.69	0.39	2.79	0.48	1.64
7	1.46	0.05	0.81	1.95	0.85	1.42	1.24	-0.80	0.19	2.63	0.64	1.63
8	1.26	0.07	0.68	2.00	0.63	1.29	1.76	-0.86	0.59	2.53	0.59	1.62
9	1.04	0.18	0.51	1.95	0.19	1.10	2.07	-0.57	0.81	2.46	0.70	1.59
10	1.02	-0.27	0.46	1.88	-0.46	0.80	2.03	-0.44	0.84	2.11	0.89	1.45
11	1.39	-0.62	0.49	2.14	-0.55	0.84	2.04	-0.29	0.79	1.95	1.11	1.49
12	1.88	-0.76	0.63	2.27	-0.15	1.04	2.27	-0.26	1.18	1.97	1.31	1.62
13	2.04	-0.71	0.72	2.78	-0.21	1.20	2.01	0.11	0.90	2.11	1.20	1.59
14	2.28	-0.84	0.91	3.01	-0.19	1.51	1.83	0.06	0.93	1.96	0.76	1.35
15	2.20	-0.84	0.77	2.62	0.23	1.56	2.26	0.07	1.36	1.86	0.86	1.22
16	2.07	-0.74	0.77	2.26	0.13	1.15	1.53	0.78	1.16	1.94	0.96	1.45
17	2.62	-0.65	1.03	---	-0.23	---	1.40	0.54	1.04	1.90	0.78	1.31
18	2.10	-0.08	1.01	1.56	-0.23	0.94	1.45	0.56	0.90	2.01	0.76	1.39
19	2.04	0.14	0.95	0.96	0.31	0.65	1.48	0.06	0.76	2.00	0.21	1.11
20	1.34	0.06	0.73	1.06	0.20	0.66	1.34	0.26	0.85	1.78	0.52	1.11
21	1.39	0.25	0.74	0.69	0.02	0.36	1.88	0.62	1.22	2.70	0.73	1.83
22	1.10	0.32	0.76	0.86	-0.41	0.19	2.19	0.62	1.48	3.04	0.39	1.66
23	1.43	0.32	0.82	1.06	-0.69	0.18	2.45	0.61	1.59	2.30	0.56	1.50
24	1.77	0.57	1.20	1.59	-0.45	0.66	2.42	0.41	1.50	2.49	0.90	1.68
25	2.32	0.68	1.50	1.80	-0.36	0.79	2.35	0.34	1.39	2.82	1.16	1.94
26	2.06	0.43	1.39	1.94	-0.25	0.91	2.19	0.27	1.21	2.42	1.58	2.05
27	2.22	0.11	1.22	1.86	-0.27	0.83	2.44	0.41	1.39	2.28	1.02	1.70
28	2.74	0.66	1.73	1.94	-0.45	0.82	2.09	0.58	1.36	1.98	0.36	1.06
29	2.99	0.51	1.79	1.89	-0.48	0.66	2.38	1.07	1.92	1.71	0.72	1.19
30	4.46	0.54	2.81	1.69	-0.48	0.74	2.35	1.45	1.96	2.07	0.80	1.39
31	---	---	---	1.74	-0.46	0.62	2.68	1.79	2.26	---	---	---

301932089193120 BAY-WAVELAND YACHT CLUB AT ST LOUIS BAY, MS--Continued

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	17500	5120	11900	12200	1570	7710
2	---	---	---	---	---	---	21200	5980	14200	12000	3760	5750
3	---	---	---	---	---	---	20000	4150	13300	10200	1400	4980
4	---	---	---	---	---	---	19400	8640	14300	10500	1380	5730
5	---	---	---	---	---	---	19000	8490	13600	9040	6450	7550
6	---	---	---	---	---	---	16800	7810	13000	8880	3800	6110
7	---	---	---	---	---	---	17600	7460	13500	15800	3600	6810
8	---	---	---	---	---	---	17400	7340	13100	13300	6020	7870
9	---	---	---	---	---	---	17800	10900	14500	13300	6800	9980
10	---	---	---	---	---	---	21200	12400	16600	26600	4630	10200
11	---	---	---	---	---	---	21300	7360	13800	15700	4820	9970
12	---	---	---	---	---	---	14300	6880	11500	20100	6260	12000
13	---	---	---	---	---	---	27300	11600	20400	25900	8280	16900
14	---	---	---	---	---	---	22300	10400	15100	24400	8870	19300
15	---	---	---	---	---	---	21800	5070	16000	23600	13800	20100
16	---	---	---	---	---	---	20800	6970	15300	22800	14200	20400
17	---	---	---	---	---	---	19100	7290	14200	20900	13400	17600
18	---	---	---	---	---	---	18700	11300	15000	20400	15300	18000
19	---	---	---	---	---	---	19300	12300	15200	20000	15300	18400
20	---	---	---	---	---	---	21900	7760	15700	18700	17600	18100
21	---	---	---	---	---	---	21300	5490	14100	18600	17400	17800
22	---	---	---	13300	3380	8190	18800	7520	14900	18600	16600	17900
23	---	---	---	11600	1890	6070	19100	8400	12900	16800	11000	13800
24	---	---	---	11700	2670	6850	19400	9040	13400	26200	10900	17100
25	---	---	---	12300	3830	7630	13000	2050	8120	34700	15700	23300
26	---	---	---	13400	3490	8200	8350	2670	4370	35400	16100	27000
27	---	---	---	12200	4260	6620	15600	3030	7060	35900	17300	29300
28	---	---	---	10900	4440	8670	15700	1550	9940	32900	16300	27900
29	---	---	---	12500	5520	8900	14500	2270	8100	34700	26100	31300
30	---	---	---	13700	7630	9910	13600	4080	9430	34700	27700	31600
31	---	---	---	---	---	---	13600	7320	10600	33700	24600	29900

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	32800	23200	30200	15100	4560	9380	3090	1510	2350	12500	10800	11400
2	32600	26400	30100	14400	5270	8830	2420	1870	2140	11800	10800	11500
3	31500	29900	30500	10500	6280	8950	2500	1960	2170	11200	9340	10800
4	30300	23800	28300	9860	8160	8960	2660	2420	2540	10700	8690	10400
5	28600	24400	27000	9880	8590	9450	2850	2320	2550	10500	8950	9310
6	27900	26200	27100	9430	5530	8060	5100	2360	3610	9160	8740	8990
7	26400	20900	23600	16100	4660	9060	5370	2980	4160	9310	8900	9130
8	27300	20900	24900	7360	5970	6510	6050	2530	3570	9360	7550	8470
9	27200	25500	26200	7290	5820	6470	4210	322	1810	8600	7790	8120
10	29200	23500	25900	14800	4610	8140	6060	216	2020	8710	---	8320
11	30700	22800	26200	12400	4950	7520	7200	1240	4040	9490	8420	9000
12	31600	22800	27900	7710	5410	6080	4570	2680	3620	9020	8760	8880
13	28700	19500	24700	6050	5350	5630	4910	2560	3570	8990	8770	8900
14	30000	22500	25800	5510	3200	4330	6750	2340	4020	---	8890	---
15	30200	24300	27200	4230	1450	2960	14700	1680	6490	12100	---	---
16	30500	23800	26900	3780	1650	2730	12800	7240	9530	12000	11500	11700
17	29500	20400	24500	5790	1360	2590	10400	2340	8020	12200	11800	11900
18	27900	19700	23400	6650	2360	3930	14900	2080	9700	12000	8580	10500
19	26400	18600	22800	6620	1190	3330	13600	5450	10800	11900	8070	10400
20	24300	19400	22000	5130	1880	3170	14400	8440	11900	12100	10900	11700
21	23000	20100	21300	6190	1330	3460	14700	8210	11900	12600	10900	11500
22	21800	6730	19100	5640	1330	3330	16000	6150	11000	11400	9130	10500
23	19000	5240	14600	4560	1960	3320	15400	8010	12300	9330	---	---
24	14500	4560	11400	4000	1480	2910	15000	13400	14400	---	---	---
25	14800	4400	8520	3730	983	2970	14500	10900	13400	---	---	---
26	15100	4900	10400	3370	1200	2630	15500	9680	12600	---	---	---
27	14500	8640	11200	4760	2160	3370	12800	7080	11000	---	---	---
28	15200	4220	10300	4750	3500	4220	12200	7560	9730	---	---	---
29	---	---	---	---	---	---	11100	9110	10100	---	---	---
30	---	---	---	---	617	---	11400	10100	10700	---	---	---
31	---	---	---	3010	686	1890	---	---	---	---	---	---

301932089193120 BAY-WAVELAND YACHT CLUB AT ST LOUIS BAY, MS--Continued

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius--Continued
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	18400	11000	15200	26900	20800	24300
2	---	16300	---	11900	---	---	16600	11500	13600	25500	16000	21200
3	16300	15400	15900	13900	1120	4650	16000	11700	14100	25600	16100	20200
4	15800	12200	14100	6710	1350	3210	15100	11300	12800	24500	16700	20500
5	14000	12400	13100	2050	855	1340	16400	8920	13000	23400	17600	21000
6	17400	13300	15500	1320	501	789	20500	14900	18100	25100	17500	21900
7	16300	13400	14400	611	271	434	23300	15900	20600	23300	17800	20200
8	13500	7680	10800	1290	277	547	22300	13000	17100	23800	17600	19600
9	13300	8260	10600	1290	377	711	23800	13000	18800	21800	18200	19900
10	14500	11500	13200	2000	478	1280	24800	13600	20600	19100	17500	18300
11	18800	11900	15500	4260	1720	3350	25800	16100	22600	20700	17800	19200
12	19200	8560	16300	3780	1960	3360	23900	19300	22300	21800	20600	21000
13	17300	8710	14900	3510	1560	3210	25900	20000	23100	22300	19400	21000
14	17600	10200	15500	3540	1560	3050	23700	21900	22600	19800	15800	18000
15	16500	9040	14200	3650	3210	3480	23100	20200	21600	18800	14600	15300
16	15300	7520	12900	3640	2520	3380	25400	21100	22100	19300	14600	17100
17	13700	6890	10400	3110	1900	2570	23400	19500	21300	21600	17200	18500
18	13600	7740	10600	2290	765	1480	25000	21500	22800	23300	17100	19600
19	14800	6990	11700	1080	531	792	25100	18500	22300	23100	17200	20500
20	13900	8190	11400	889	569	669	27300	18100	22600	22600	15900	19100
21	9960	7400	8370	878	591	720	21400	20000	20800	23600	17200	20700
22	13200	8070	9310	913	591	770	22300	20400	21300	24200	19100	22700
23	10300	8130	9170	6840	809	3910	25200	19400	21200	21700	16700	19100
24	13700	7240	9090	6170	1140	2470	26700	19600	22600	21300	15000	18000
25	18700	8200	13000	14500	2550	6410	25700	19600	22700	18200	17100	17500
26	18400	9800	13900	15300	2010	8580	25300	19600	22700	19300	17400	18000
27	19600	7820	14100	16300	3860	10900	25900	21400	23700	19900	14700	17600
28	18400	7470	11900	17000	5600	14300	24700	20300	22700	18500	14200	16400
29	16900	8730	12100	18000	7750	15400	26600	22500	23800	15900	12200	13600
30	15400	8690	12000	17700	9250	15000	27300	23400	25800	17800	13400	16100
31	---	---	---	18000	8310	15000	25700	22700	23600	---	---	---

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	14.3	9.8	12.5	14.9	13.1	14.0
2	---	---	---	---	---	---	13.6	11.2	12.7	14.7	12.8	13.5
3	---	---	---	---	---	---	14.2	12.7	13.6	13.1	9.5	11.6
4	---	---	---	---	---	---	16.0	14.0	15.0	13.2	9.5	11.5
5	---	---	---	---	---	---	15.3	11.7	13.6	13.9	11.0	12.2
6	---	---	---	---	---	---	12.8	10.0	11.7	15.4	11.5	13.1
7	---	---	---	---	---	---	13.5	10.4	11.9	12.6	10.6	11.3
8	---	---	---	---	---	---	12.5	10.4	11.6	11.8	9.2	10.8
9	---	---	---	---	---	---	12.0	11.1	11.7	12.3	10.5	11.3
10	---	---	---	---	---	---	11.8	11.2	11.5	14.8	11.7	13.0
11	---	---	---	---	---	---	13.0	11.1	11.9	12.2	9.4	10.6
12	---	---	---	---	---	---	12.2	10.7	11.5	10.3	8.1	9.3
13	---	---	---	---	---	---	13.4	11.5	12.1	10.0	7.5	9.0
14	---	---	---	---	---	---	12.2	9.7	11.5	10.0	7.6	9.3
15	---	---	---	---	---	---	12.5	9.5	11.8	9.9	8.7	9.4
16	---	---	---	---	---	---	12.5	10.8	12.0	10.6	8.8	10.0
17	---	---	---	---	---	---	13.4	12.0	12.8	9.6	5.8	8.0
18	---	---	---	---	---	---	15.3	13.4	14.2	9.1	6.6	8.2
19	---	---	---	---	---	---	16.2	14.7	15.5	10.8	7.4	9.1
20	---	---	---	---	---	---	15.6	13.7	14.9	14.1	9.0	10.8
21	---	---	---	---	---	---	15.9	13.5	14.6	14.2	11.2	12.0
22	---	---	---	17.2	15.6	16.5	17.9	14.8	15.5	15.0	11.4	13.0
23	---	---	---	16.3	13.4	15.0	16.6	15.1	15.8	12.6	5.7	8.9
24	---	---	---	17.1	13.8	15.4	17.9	15.4	16.4	7.4	3.9	6.1
25	---	---	---	18.1	14.9	16.2	15.4	12.0	13.4	7.8	4.4	6.1
26	---	---	---	18.4	15.5	16.4	13.2	10.3	11.4	8.2	6.2	7.3
27	---	---	---	16.2	13.2	14.8	12.5	10.1	11.4	8.3	6.2	7.6
28	---	---	---	14.6	13.2	14.1	13.0	10.1	11.8	9.2	5.7	8.5
29	---	---	---	14.3	12.0	13.6	13.1	11.7	12.5	10.4	9.0	9.6
30	---	---	---	14.6	13.4	14.0	15.1	12.9	13.9	12.1	9.6	11.0
31	---	---	---	---	---	---	15.3	14.4	14.9	12.0	10.8	11.3

301932089193120 BAY-WAVELAND YACHT CLUB AT ST LOUIS BAY, MS--Continued

Temperature, water, degrees Celsius--Continued
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	13.6	10.6	11.6	15.2	14.5	14.9	20.3	14.5	17.0	27.2	25.2	26.0
2	14.6	11.3	12.4	16.6	14.3	15.4	20.0	16.4	18.1	28.1	26.1	27.0
3	14.5	12.5	13.5	15.3	13.6	14.1	21.1	18.3	19.7	28.1	26.5	27.2
4	14.4	12.2	13.9	13.9	13.2	13.6	22.1	19.8	20.8	28.8	26.1	27.5
5	13.5	10.9	12.2	15.0	13.8	14.2	22.4	21.4	21.9	28.2	26.5	27.4
6	12.3	11.2	11.6	16.3	14.5	15.4	22.6	21.4	21.9	---	26.4	27.3
7	11.6	9.1	10.5	16.6	15.0	15.6	22.5	21.6	22.2	28.8	---	27.8
8	10.3	8.4	9.8	16.7	15.6	16.2	21.6	19.5	20.9	29.0	26.3	27.8
9	10.6	9.3	10	18.5	16.6	17.3	19.5	13.6	16.8	29.6	27.0	28.3
10	13.5	10.5	11.6	18.5	16.6	17.3	16.1	10.3	13.8	29.3	---	28.4
11	11.9	10.3	11.4	18.0	16.6	17.3	17.7	---	16.1	29.7	27.6	28.6
12	12.7	10.8	12.0	18.4	17.6	17.9	18.0	15.6	16.8	28.1	26.1	27.2
13	13.7	11.6	12.8	18.9	17.9	18.4	19.4	16.6	17.9	27.0	24.4	25.5
14	15.0	13.4	14.1	19.5	17.8	18.5	20.7	18.5	19.2	---	---	---
15	17.0	14.2	15.5	19.5	18.0	18.8	23.1	18.8	20.1	---	---	---
16	16.9	15.0	16.1	19.3	18.5	19.0	23.5	19.5	21.5	28.9	26.4	27.3
17	15.0	12.4	13.5	20.6	18.8	19.4	24.6	22.5	23.1	29.0	26.9	27.8
18	14.0	11.3	12.9	21.8	19.3	20.4	23.8	22.1	22.9	28.1	25.9	27.1
19	14.5	12.6	13.3	21.5	19.9	20.6	24.3	22.6	23.5	27.9	26.0	27.0
20	15.7	13.7	14.7	21.1	19.9	20.6	24.9	22.9	23.9	27.4	26.5	27.0
21	15.6	15.0	15.3	20.9	18.9	19.8	25.1	---	24.6	---	26.2	26.5
22	15.7	13.4	15.2	20.3	17.8	19.0	24.3	22.0	23.0	26.4	25.1	25.6
23	14.7	12.9	14.1	20.2	18.3	19.3	---	21.4	23.1	---	---	---
24	15.1	13.7	14.5	20.7	17.9	19.4	23.6	21.7	22.9	---	---	---
25	15.5	13.8	15.0	21.9	18.7	20.3	24.3	22.7	23.5	---	---	---
26	15.4	14.6	15.1	22.0	19.7	20.9	24.8	22.3	23.4	---	---	---
27	16.1	14.9	15.3	22.1	19.9	21.1	---	21.9	23.1	---	---	---
28	15.6	14.7	15.1	24.1	21.0	22.3	24.5	22.4	23.5	---	---	---
29	---	---	---	---	---	---	26.0	23.2	24.4	---	---	---
30	---	---	---	18.0	14.3	16.1	26.6	24.4	25.4	---	---	---
31	---	---	---	17.4	14.1	15.7	---	---	---	---	---	---
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	30.6	29.2	30.0	30.6	27.9	29.0
2	---	---	---	---	---	---	30.6	28.7	29.7	32.5	29.3	30.3
3	28.2	27.0	27.5	26.9	26.1	26.6	30.4	29.0	30.0	32.0	29.1	30.3
4	27.8	26.3	27.1	27.5	26.1	26.8	31.0	29.1	30.0	31.0	29.5	30.2
5	27.9	25.9	26.9	26.7	25.8	26.2	32.2	29.5	30.6	30.0	28.8	29.6
6	27.4	26.6	27.1	28.5	25.5	26.8	32.2	30.4	30.9	29.9	28.0	28.9
7	27.8	26.5	27.1	28.1	27.0	27.6	31.9	30.0	30.7	29.1	27.5	28.3
8	28.8	26.4	27.7	28.7	27.0	27.8	32.8	29.8	31.0	29.8	27.2	28.3
9	29.5	28.0	28.6	30.0	27.6	28.4	32.0	29.8	30.8	28.9	28.1	28.7
10	31.2	28.0	29.3	30.6	27.7	29.0	31.9	29.8	30.8	29.0	27.3	28.1
11	30.2	29.0	29.6	30.4	28.6	29.4	31.2	29.6	30.6	29.3	27.2	28.0
12	29.2	27.7	28.6	31.7	28.4	29.6	30.0	28.5	29.1	29.1	26.8	27.9
13	30.0	27.6	28.5	31.0	28.9	29.9	---	28.0	28.4	28.3	27.0	27.6
14	30.6	27.9	29.0	29.4	27.7	28.5	29.7	27.4	28.4	30.5	27.1	28.5
15	29.9	27.4	28.8	29.8	27.0	28.3	29.8	27.9	28.7	30.2	28.1	28.9
16	29.4	27.2	28.5	30.3	28.6	29.4	30.7	28.8	29.7	---	26.5	27.3
17	28.8	27.2	28.0	29.9	27.7	28.6	31.1	28.9	29.9	27.8	26.4	27.0
18	28.4	26.8	27.6	29.5	27.4	28.3	32.3	29.6	30.9	28.7	26.2	27.5
19	28.8	27.3	28.2	29.6	27.9	28.5	32.9	30.4	31.4	29.1	27.6	28.2
20	28.7	27.6	28.3	29.1	27.5	28.1	32.6	30.1	31.3	29.0	27.8	28.4
21	29.1	27.9	28.5	30.5	27.6	28.9	31.5	29.4	30.5	28.4	27.8	28.0
22	30.0	28.0	28.9	31.7	28.7	30.0	30.8	29.5	30.0	28.3	27.1	27.8
23	31.4	28.4	29.7	30.3	27.3	28.8	30.5	28.8	29.7	27.7	25.8	26.9
24	---	29.5	30.8	29.8	27.0	28.0	31.4	29.4	30.4	27.6	25.3	26.6
25	31.5	29.4	30.4	31.0	28.5	29.4	32.1	30.2	30.8	27.0	25.6	26.4
26	32.2	28.7	30.2	31.4	28.7	29.8	32.3	30.4	31.1	27.9	25.8	26.9
27	31.0	28.2	30.0	30.9	29.4	30.0	31.4	30.4	31.0	28.3	27.3	27.7
28	29.4	28.0	28.9	30.9	29.4	30.3	31.7	29.9	30.8	27.7	25.0	26.5
29	29.3	27.5	28.3	30.5	28.6	29.8	31.5	29.7	30.5	25.0	22.0	23.3
30	---	---	---	30.1	28.2	29.3	30.6	29.2	29.8	22.8	21.5	22.2
31	---	---	---	30.4	28.9	29.8	29.4	28.0	28.6	---	---	---

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 mi^2.

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 NGVD of 1929.

REMARKS.--Estimated daily discharges: Feb. 24-25. 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 ft^3/s, Apr. 13, 1979, gage height, 23.31 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 30	0700	5,670	14.63	Feb. 28	1900	5,360	14.39
Dec. 26	1600	6,800	14.92	Apr. 9	0400	9,250	15.72
Feb. 17	2130	5,060	14.30	Apr. 26	1830	11,700	16.42
Feb. 23	1200	*21,200	*18.32				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2080	3380	182	1840	662	4860	285	1080	124	778	72	198
2	1570	2300	162	2590	755	3910	253	754	97	1580	69	189
3	1230	1680	147	3070	687	2660	232	659	93	2550	202	187
4	1330	1380	143	2700	650	2070	224	913	98	2610	407	170
5	2010	1360	291	2130	642	1670	213	783	98	2140	750	135
6	2900	1820	382	1680	645	2470	224	760	169	2100	792	106
7	2390	2470	470	1330	928	3370	1800	744	717	1960	1190	86
8	1830	2480	497	1060	1420	3850	6870	678	640	1420	1390	72
9	1550	2080	496	860	1970	3050	8640	559	440	1190	1260	61
10	1390	1780	566	699	1900	2250	5550	407	286	997	985	52
11	1140	1650	748	569	1960	1710	3140	297	192	873	703	46
12	914	1480	853	467	1850	1330	2030	285	223	769	453	40
13	751	1510	1200	388	1460	1070	1440	267	743	567	285	34
14	602	1440	1490	334	1180	978	1050	251	1070	384	230	36
15	510	1330	1850	293	1030	861	776	276	1820	289	242	30
16	511	1430	1880	267	1860	801	568	258	1730	265	228	27
17	500	1390	1650	251	4160	758	406	298	1810	317	210	23
18	557	1400	1420	238	4510	819	299	685	1630	273	198	20
19	586	1270	1240	231	3590	1120	234	761	1400	184	249	19
20	619	1120	1170	221	2700	1400	187	868	1200	131	502	19
21	817	980	1040	211	3030	1750	151	860	939	127	929	16
22	818	848	966	204	11600	1670	124	813	733	129	1030	29
23	845	711	857	194	20200	1440	102	744	594	117	673	63
24	797	589	1930	175	e15600	1230	210	626	463	102	340	138
25	715	485	4350	160	e7080	994	5210	492	312	87	198	116
26	650	388	6450	149	3680	808	10300	407	209	75	143	74
27	593	319	5130	144	3320	651	9150	391	193	66	153	54
28	1070	271	3120	142	5300	533	4410	358	325	60	325	42
29	3420	237	2130	161	---	448	2380	296	430	51	268	33
30	5530	209	1590	320	---	371	1550	229	479	47	254	27
31	4740	---	1420	471	---	319	---	168	---	83	234	---
TOTAL	44965	39787	45820	23549	104369	51221	68008	16967	19257	22321	14964	2142
MEAN	1450	1326	1478	760	3727	1652	2267	547	642	720	483	71.4
MAX	5530	3380	6450	3070	20200	4860	10300	1080	1820	2610	1390	198
MIN	500	209	143	142	642	319	102	168	93	47	69	16
CFSM	2.79	2.55	2.84	1.46	7.17	3.18	4.36	1.05	1.23	1.38	0.93	0.14
IN.	3.22	2.85	3.28	1.68	7.47	3.66	4.87	1.21	1.38	1.60	1.07	0.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2003, BY WATER YEAR (WY)

MEAN	139	391	884	1268	1651	1303	1214	592	252	171	92.6	59.7
MAX	1450	1326	3408	3099	3727	3149	3686	4021	1148	906	483	634
(WY)	2003	2003	1983	1990	2003	1983	1983	1983	1997	1989	2003	2001
MIN	0.94	3.65	7.83	93.8	109	281	70.4	16.7	2.15	3.90	2.73	0.73
(WY)	1988	1988	1988	2000	2000	2000	1986	1988	1988	2000	1999	2000

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1981 - 2003	
ANNUAL TOTAL	259304.6		453370			
ANNUAL MEAN	710		1242		676	
HIGHEST ANNUAL MEAN					1732	1983
LOWEST ANNUAL MEAN					141	1988
HIGHEST DAILY MEAN	6450	Dec 26	20200	Feb 23	34600	May 21 1983
LOWEST DAILY MEAN	2.0	Sep 22	16	Sep 21	0.29	Sep 20 2000
ANNUAL SEVEN-DAY MINIMUM	2.3	Sep 17	22	Sep 16	0.36	Sep 1 2000
MAXIMUM PEAK FLOW			21200	Feb 23	37800	May 21 1983
MAXIMUM PEAK STAGE			18.32	Feb 23	19.77	May 21 1983
ANNUAL RUNOFF (CFSM)	1.37		2.39		1.30	
ANNUAL RUNOFF (INCHES)	18.55		32.43		17.65	
10 PERCENT EXCEEDS	1970		2680		1680	
50 PERCENT EXCEEDS	244		699		164	
90 PERCENT EXCEEDS	4.0		102		4.6	

e Estimated

02481880 PEARL RIVER AT BURNSIDE, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.96	13.68	7.40	12.68	10.83	14.19	8.42	11.73	6.58	10.89	5.64	7.52
2	12.55	13.08	7.16	13.17	11.14	13.78	8.11	10.98	6.17	12.28	5.59	7.43
3	12.16	12.64	6.96	13.45	10.91	13.14	7.89	10.66	6.11	13.00	7.32	7.41
4	12.29	12.34	6.91	13.24	10.78	12.77	7.81	11.43	6.19	13.04	9.27	7.22
5	12.91	12.30	8.49	12.90	10.74	12.47	7.69	11.08	6.19	12.74	10.87	6.78
6	13.45	12.75	9.26	12.57	10.74	13.03	7.78	11.01	6.89	12.71	11.01	6.37
7	13.15	13.17	9.82	12.20	11.56	13.52	12.24	10.96	10.84	12.61	11.79	6.06
8	12.78	13.18	9.97	11.82	12.25	13.76	14.90	10.75	10.58	12.14	12.09	5.80
9	12.55	12.92	9.96	11.40	12.80	13.35	15.52	10.26	9.57	11.83	11.92	5.60
10	12.36	12.71	10.30	10.93	12.74	12.89	14.44	9.37	8.39	11.51	11.47	5.43
11	12.03	12.59	11.00	10.42	12.78	12.51	13.40	8.52	7.42	11.24	10.72	5.31
12	11.60	12.43	11.29	9.88	12.69	12.11	12.74	8.41	7.64	10.95	9.56	5.20
13	11.16	12.45	11.93	9.38	12.33	11.74	12.23	8.25	10.90	10.18	8.31	5.09
14	10.63	12.38	12.31	8.97	11.96	11.57	11.68	8.09	11.65	9.13	7.77	5.14
15	10.19	12.23	12.62	8.62	11.71	11.30	11.05	8.34	12.56	8.35	7.90	5.01
16	10.19	12.35	12.64	8.38	12.63	11.14	10.29	8.16	12.49	8.13	7.76	4.94
17	10.14	12.30	12.46	8.23	13.91	11.01	9.38	8.48	12.55	8.61	7.56	4.87
18	10.43	12.31	12.23	8.10	14.07	11.19	8.54	10.75	12.40	8.20	7.43	4.80
19	10.57	12.13	12.01	8.03	13.66	11.79	7.91	11.02	12.16	7.27	7.94	4.79
20	10.70	11.91	11.91	7.93	13.18	12.19	7.40	11.32	11.88	6.59	9.82	4.79
21	11.36	11.67	11.70	7.83	13.33	12.54	6.97	11.30	11.42	6.54	11.34	4.72
22	11.37	11.35	11.58	7.76	16.27	12.47	6.59	11.17	10.88	6.57	11.57	5.04
23	11.44	10.95	11.32	7.64	18.15	12.24	6.26	10.96	10.37	6.39	10.60	5.74
24	11.30	10.48	12.57	7.43	---	11.97	7.05	10.55	9.69	6.17	8.78	6.97
25	11.05	9.95	14.00	7.24	---	11.59	14.21	9.90	8.59	5.91	7.47	6.66
26	10.83	9.34	14.80	7.12	13.68	11.15	16.03	9.40	7.59	5.70	6.81	6.00
27	10.60	8.80	14.33	7.05	13.50	10.65	15.66	9.29	7.40	5.52	6.89	5.61
28	11.75	8.35	13.44	7.02	14.37	10.13	13.98	9.04	8.71	5.39	8.72	5.38
29	13.65	8.02	12.87	7.26	---	9.65	12.96	8.51	9.49	5.22	8.22	5.20
30	14.58	7.71	12.46	8.88	---	9.14	12.35	7.87	9.77	5.13	8.09	5.09
31	14.28	---	12.29	9.93	---	8.72	---	7.17	---	5.83	7.90	---
MEAN	11.84	11.62	11.23	9.60	---	11.93	10.72	9.83	9.44	8.90	8.97	5.73
MAX	14.58	13.68	14.80	13.45	---	14.19	16.03	11.73	12.56	13.04	12.09	7.52
MIN	10.14	7.71	6.91	7.02	---	8.72	6.26	7.17	6.11	5.13	5.59	4.72

02482000 PEARL RIVER AT EDINBURG, MS

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.

DRAINAGE AREA.--904 mi^2.

PERIOD OF RECORD.--August 1928 to current year. Daily mean gage heights published since January 1972. Gage-height records collected in same vicinity since 1908 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1504: 1929-30, 1933. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 341.67 ft above NGVD of 1929. Prior to July 2, 1930, nonrecording gage at site 500 ft upstream at datum 0.12 ft higher. July 2, 1930 to Sept. 20, 1938, nonrecording gage at present site and datum.

REMARKS.--Estimated daily discharges: November 1-4. Records good except for estimated daily discharges, which are poor. Satellite telemeter and National Weather Service telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood in March 1902 reached a stage of 29.0 ft, from reports of National Weather Service.

EXTREMES FOR CURRENT YEAR.-- Peak discharges greater than base discharge of 5,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 1	----	unknown	unknown	Apr. 10	0830	11,900	23.90
Dec. 28	1100	6,770	21.44	Apr. 27	1715	16,300	24.97
Feb. 24	1100	*30,300	*26.64				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1560	e5840	382	4460	1140	7650	680	5470	333	1370	366	507
2	2130	e5670	342	4200	1130	7230	583	4150	269	1450	271	465
3	2350	e5120	314	4330	1120	6550	512	2630	353	2200	473	381
4	3730	e4500	329	4160	1120	5830	464	1850	320	2720	922	358
5	3980	3920	714	4080	1090	5160	452	1790	269	3000	1770	351
6	4290	3520	812	3880	1220	5260	661	1640	732	3090	1740	302
7	4420	3370	989	3370	1890	5200	4190	1400	2350	3120	3250	253
8	4390	3420	986	2750	1940	5520	5380	1280	1880	3900	3260	214
9	4090	3220	903	2260	2190	5500	9580	1170	1840	4040	3460	181
10	3490	3120	916	1880	2310	5350	11600	1090	1410	3230	2910	156
11	2850	2940	1030	1600	2600	4880	9950	1050	898	2350	2000	138
12	2260	2610	1220	1370	2820	4150	7340	989	1440	1810	1540	125
13	1850	2400	1770	1160	2720	3250	5770	816	2490	1470	1540	115
14	1530	2170	1870	969	2540	2500	4630	673	2030	1310	995	122
15	1270	2080	1960	812	2500	2110	3280	612	2470	1030	631	118
16	1110	2190	2040	698	4200	1880	2070	574	2700	719	465	107
17	1010	2140	1990	636	4230	1720	1440	697	2930	503	426	97
18	939	2180	1980	583	4640	1640	1070	1430	3020	435	383	90
19	814	1960	2000	546	5240	1970	767	1770	2820	413	1590	85
20	906	1740	2120	520	5430	1980	548	2020	2640	346	1760	79
21	1290	1590	1990	503	6320	1980	425	1750	2310	271	1160	76
22	1240	1450	1910	489	12400	1980	347	1480	1830	259	1100	180
23	1320	1300	1700	467	22200	2100	297	1310	1430	430	1180	232
24	1260	1170	3750	418	29100	2140	590	1180	1130	320	1210	230
25	1160	1040	4320	393	23700	1990	6180	1060	903	266	1020	247
26	1080	904	5410	378	16300	1800	9290	983	683	208	634	232
27	1040	771	6300	364	12100	1610	15400	837	666	171	362	186
28	3270	628	6730	349	8850	1410	14900	702	751	157	326	151
29	4130	513	6350	443	---	1220	10700	617	970	250	623	126
30	4580	436	5590	917	---	1010	7110	520	1060	180	758	105
31	5250	---	4790	990	---	820	---	422	---	241	621	---
TOTAL	74589	73912	73507	49975	183040	103390	136206	43962	44927	41259	38746	6009
MEAN	2406	2464	2371	1612	6537	3335	4540	1418	1498	1331	1250	200
MAX	5250	5840	6730	4460	29100	7650	15400	5470	3020	4040	3460	507
MIN	814	436	314	349	1090	820	297	422	269	157	271	76
CFSM	2.66	2.73	2.62	1.78	7.23	3.69	5.02	1.57	1.66	1.47	1.38	0.22
IN.	3.07	3.04	3.02	2.06	7.53	4.25	5.60	1.81	1.85	1.70	1.59	0.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2003, BY WATER YEAR (WY)

MEAN	212	465	1287	2131	2649	2657	2391	1159	373	401	233	167
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

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1928 - 2003	
ANNUAL TOTAL	455110.1		869522			
ANNUAL MEAN	1247		2382		1170	
HIGHEST ANNUAL MEAN					3368	1983
LOWEST ANNUAL MEAN					236	1963
HIGHEST DAILY MEAN	6730	Dec 28	29100	Feb 24	73500	Apr 14 1979
LOWEST DAILY MEAN	4.3	Sep 18	76	Sep 21	1.3	Sep 5 2000
ANNUAL SEVEN-DAY MINIMUM	4.6	Sep 14	93	Sep 15	1.4	Sep 2 2000
MAXIMUM PEAK FLOW			30300	Feb 24	77900	Apr 14 1979
MAXIMUM PEAK STAGE			26.64	Feb 24	30.06	Apr 14 1979
INSTANTANEOUS LOW FLOW			75	Sep 21	1.2	Sep 5 2000
ANNUAL RUNOFF (CFSM)	1.38		2.64		1.29	
ANNUAL RUNOFF (INCHES)	18.73		35.78		17.58	
10 PERCENT EXCEEDS	3640		5300		3090	
50 PERCENT EXCEEDS	597		1440		340	
90 PERCENT EXCEEDS	24		287		25	

e Estimated

02482000 PEARL RIVER AT EDINBURG, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.15	---	5.90	17.93	9.50	22.14	7.66	19.70	5.54	10.47	5.78	6.70
2	12.82	---	5.61	17.45	9.48	21.86	7.14	17.32	5.03	10.79	5.04	6.44
3	13.42	---	5.40	17.69	9.44	21.23	6.73	14.08	5.69	12.99	6.43	5.89
4	16.48	---	5.36	17.37	9.45	20.29	6.44	12.02	5.44	14.32	8.74	5.73
5	17.03	16.90	7.63	17.22	9.35	19.19	6.36	11.85	5.03	14.97	11.79	5.68
6	17.60	16.09	8.10	16.82	9.79	19.35	7.30	11.39	7.00	15.17	11.70	5.30
7	17.85	15.79	8.88	15.78	12.08	19.25	17.34	10.60	13.40	15.24	15.50	4.90
8	17.80	15.88	8.86	14.38	12.22	19.79	19.51	10.20	12.13	16.87	15.56	4.53
9	17.22	15.47	8.51	13.09	12.96	19.75	23.04	9.80	12.00	17.13	15.98	4.21
10	16.03	15.25	8.56	12.00	13.26	19.50	23.82	9.47	10.62	15.48	14.76	3.96
11	14.62	14.85	9.05	11.11	14.02	18.69	23.26	9.30	8.66	13.40	12.44	3.75
12	13.16	14.07	9.78	10.33	14.56	17.34	21.89	9.06	10.18	11.91	11.09	3.59
13	12.03	13.54	11.63	9.54	14.31	15.50	20.24	8.31	13.74	10.84	11.07	3.47
14	11.04	12.93	11.98	8.79	13.87	13.79	18.30	7.62	12.55	10.31	9.07	3.55
15	10.16	12.68	12.26	8.10	13.73	12.76	15.66	7.30	13.72	9.23	7.39	3.50
16	9.55	13.00	12.47	7.56	17.45	12.12	12.66	7.09	14.27	7.84	6.45	3.37
17	9.16	12.86	12.33	7.24	17.49	11.65	10.87	7.64	14.81	6.68	6.19	3.24
18	8.86	12.96	12.32	6.95	18.26	11.40	9.54	10.73	15.03	6.26	5.90	3.15
19	8.30	12.35	12.37	6.74	19.31	12.38	8.25	11.80	14.57	6.11	10.62	3.07
20	8.66	11.71	12.71	6.59	19.64	12.41	7.13	12.52	14.14	5.63	11.71	2.99
21	10.21	11.25	12.35	6.49	20.82	12.42	6.40	11.73	13.30	5.04	9.73	2.95
22	10.04	10.78	12.09	6.41	23.94	12.42	5.87	10.88	11.97	4.92	9.51	4.18
23	10.32	10.28	11.46	6.27	25.82	12.75	5.45	10.28	10.69	6.20	9.82	4.70
24	10.12	9.79	16.41	5.95	26.53	12.86	6.54	9.81	9.63	5.44	9.94	4.69
25	9.74	9.28	17.67	5.78	26.02	12.44	20.80	9.35	8.70	5.01	9.20	4.84
26	9.45	8.70	19.60	5.68	24.94	11.88	22.83	9.04	7.66	4.48	7.39	4.71
27	9.28	8.10	20.97	5.58	23.93	11.32	24.78	8.41	7.56	4.12	5.75	4.27
28	15.20	7.38	21.40	5.48	22.75	10.65	24.66	7.76	8.01	3.97	5.47	3.90
29	17.30	6.74	21.02	6.03	---	9.96	23.50	7.32	8.98	4.86	7.35	3.60
30	18.14	6.26	19.90	8.59	---	9.15	21.67	6.78	9.34	4.20	8.04	3.34
31	19.33	---	18.53	8.91	---	8.33	---	6.17	---	4.75	7.34	---
MEAN	12.97	---	12.29	10.12	16.60	14.99	14.52	10.17	10.31	9.18	9.44	4.27
MAX	19.33	---	21.40	17.93	26.53	22.14	24.78	19.70	15.03	17.13	15.98	6.70
MIN	8.30	---	5.36	5.48	9.35	8.33	5.45	6.17	5.03	3.97	5.04	2.95

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 Lobutcha Creek, 10.8 mi upstream from Tuscolameta Creek, and at mile 366.3.

DRAINAGE AREA.--1,346 mi^2.

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 NGVD of 1929.

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 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 7,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 30	0845	8,610	18.02	Apr. 11	1245	13,000	21.40
Dec. 29	1745	7,550	17.67	Apr. 29	0200	13,800	22.19
Feb. 25	0600	*35,600	*24.76				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3500	7650	857	6310	1940	14500	1230	8700	686	1820	644	972
2	3010	7760	785	5880	1940	12100	1080	6240	602	2040	726	964
3	2930	7450	729	5470	1920	10700	967	4490	645	2330	704	904
4	3670	6650	714	5230	1880	9400	891	3010	710	2830	1040	788
5	4790	6180	1190	5010	1710	8080	825	2230	612	3470	1630	722
6	5040	6160	1530	4810	1720	8340	1030	2110	794	3580	2200	649
7	5510	5680	1640	4490	2830	7440	5590	1950	2430	3500	2810	577
8	5780	5220	1680	3840	2970	6850	7980	1790	2370	3550	3580	513
9	5580	4870	1540	3100	3030	6660	9920	1600	2080	3870	3700	458
10	5160	4570	1450	2560	3210	6530	11600	1490	1920	3920	3510	413
11	4450	4410	1600	2180	3340	6260	12700	1470	1530	3530	3030	376
12	3490	4180	1660	1900	3490	5630	11900	1580	1930	2800	2340	345
13	2800	3890	2180	1670	3520	4700	9750	1350	3840	2210	2230	324
14	2350	3520	2680	1460	3340	3850	7350	1170	3590	2110	1900	319
15	2030	3330	2640	1270	3160	3280	5320	1040	3260	1800	1450	313
16	1840	3520	2660	1130	5040	2840	3740	982	3590	1440	1150	296
17	1650	3460	2590	1040	5310	2560	2390	1110	3710	1140	973	278
18	1530	3380	2450	975	5270	2410	1740	2100	3780	949	877	262
19	1380	3100	2400	917	5350	2760	1350	2390	3730	861	1300	250
20	1480	2690	2750	867	5830	3050	1050	2610	3480	795	2470	238
21	2350	2380	2850	832	8920	2950	837	2600	3140	702	2260	230
22	2210	2160	2650	803	16500	2840	690	2240	2680	624	1760	270
23	2100	1970	2390	773	21500	2800	590	1870	2190	777	1620	405
24	2000	1810	4790	736	30400	2790	782	1620	1800	759	1630	443
25	1820	1650	5580	698	33100	2550	6930	1440	1510	663	1550	415
26	1690	1510	5430	673	28000	2330	9700	1370	1270	581	1290	413
27	1630	1360	5860	651	23400	2160	10400	1460	1360	510	932	379
28	5020	1200	6670	631	18200	1980	12300	1160	1370	461	709	326
29	7530	1060	7320	735	---	1680	13300	994	1320	461	774	281
30	8390	944	7330	1520	---	1450	11700	888	1550	553	1060	250
31	7750	---	6670	1800	---	1420	---	785	---	565	1120	---
TOTAL	110460	113714	93265	69961	246820	152890	165632	65839	63479	55201	52969	13373
MEAN	3563	3790	3009	2257	8815	4932	5521	2124	2116	1781	1709	446
MAX	8390	7760	7330	6310	33100	14500	13300	8700	3840	3920	3700	972
MIN	1380	944	714	631	1710	1420	590	785	602	461	644	230
CFSM	2.65	2.82	2.24	1.68	6.55	3.66	4.10	1.58	1.57	1.32	1.27	0.33
IN.	3.05	3.14	2.58	1.93	6.82	4.23	4.58	1.82	1.75	1.53	1.46	0.37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2003, BY WATER YEAR (WY)

MEAN	470	801	2158	3583	3953	4228	4131	2029	726	551	431	366
MAX	3563	3790	11360	11030	11060	12090	17460	11780	2919	2650	2636	2869
(WY)	2003	2003	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1963 - 2003	
ANNUAL TOTAL	675579		1203603			
ANNUAL MEAN	1851		3298		1942	
HIGHEST ANNUAL MEAN					5247	1983
LOWEST ANNUAL MEAN					422	1963
HIGHEST DAILY MEAN	8390	Oct 30	33100	Feb 25	93800	Apr 14 1979
LOWEST DAILY MEAN	49	Sep 16	230	Sep 21	32	Oct 24 1963
ANNUAL SEVEN-DAY MINIMUM	49	Sep 14	261	Sep 16	33	Oct 24 1963
MAXIMUM PEAK FLOW			35600	Feb 25	102000	Apr 14 1979
MAXIMUM PEAK STAGE			24.76	Feb 25	28.74	Apr 14 1979
INSTANTANEOUS LOW FLOW			225	Sep 21	31	Oct 30 1963
ANNUAL RUNOFF (CFSM)	1.38		2.45		1.44	
ANNUAL RUNOFF (INCHES)	18.67		33.26		19.60	
10 PERCENT EXCEEDS	5040		7090		5050	
50 PERCENT EXCEEDS	1070		2110		680	
90 PERCENT EXCEEDS	93		645		102	

02482550 PEARL RIVER NEAR CARTHAGE, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.49	17.37	7.09	16.64	10.55	21.88	9.14	19.52	7.22	10.07	6.27	7.56
2	12.64	17.47	6.83	16.23	10.57	20.92	8.69	17.57	6.84	10.58	6.60	7.55
3	12.48	17.25	6.62	15.82	10.51	20.27	8.32	15.65	6.99	11.17	6.50	7.37
4	13.64	16.59	6.57	15.57	10.43	19.53	8.06	13.41	7.24	12.12	7.67	6.97
5	15.17	16.15	8.17	15.34	10.02	18.68	7.82	11.91	6.81	13.21	9.29	6.74
6	15.44	16.16	9.13	15.13	10.02	18.86	8.40	11.62	7.34	13.37	10.64	6.47
7	15.92	15.68	9.41	14.75	12.35	18.22	16.35	11.26	11.74	13.24	11.85	6.18
8	16.17	15.20	9.50	13.88	12.60	17.75	18.59	10.87	11.60	13.31	13.21	5.90
9	15.95	14.82	9.16	12.70	12.71	17.57	19.86	10.38	10.98	13.80	13.40	5.65
10	15.48	14.47	8.93	11.72	13.02	17.45	20.78	10.06	10.59	13.87	13.09	5.44
11	14.62	14.30	9.31	10.96	13.24	17.19	21.28	9.98	9.61	13.25	12.23	5.26
12	13.23	14.01	9.46	10.37	13.48	16.56	20.96	10.25	10.34	12.00	10.88	5.10
13	12.01	13.59	10.64	9.83	13.53	15.54	19.84	9.62	14.04	10.86	10.65	4.99
14	11.13	13.01	11.67	9.30	13.23	14.42	18.25	9.06	13.63	10.64	9.88	4.98
15	10.44	12.71	11.61	8.80	12.93	13.52	16.40	8.64	13.08	9.95	8.77	4.96
16	9.98	13.03	11.65	8.38	15.55	12.76	14.33	8.43	13.62	9.03	7.89	4.88
17	9.52	12.94	11.53	8.12	15.85	12.23	12.16	8.78	13.79	8.20	7.34	4.78
18	9.19	12.83	11.26	7.92	15.81	11.94	10.78	11.32	13.88	7.56	7.00	4.69
19	8.77	12.35	11.17	7.73	15.89	12.59	9.84	11.94	13.80	7.25	8.17	4.62
20	8.97	11.60	11.86	7.57	16.39	13.12	8.99	12.37	13.39	7.00	11.09	4.56
21	10.99	11.00	12.05	7.46	18.71	12.95	8.31	12.33	12.82	6.63	10.66	4.52
22	10.68	10.54	11.69	7.36	22.19	12.74	7.79	11.61	11.97	6.30	9.54	4.82
23	10.41	10.13	11.20	7.25	23.17	12.69	7.38	10.81	11.00	6.89	9.23	5.67
24	10.17	9.75	14.78	7.11	24.25	12.66	7.89	10.23	10.12	6.82	9.26	5.90
25	9.75	9.39	15.84	6.96	24.53	12.22	18.13	9.77	9.40	6.43	9.08	5.77
26	9.41	9.02	15.70	6.85	24.04	11.78	20.24	9.56	8.74	6.06	8.39	5.78
27	9.26	8.63	16.15	6.76	23.55	11.42	20.66	9.81	8.95	5.73	7.31	5.61
28	14.54	8.19	16.93	6.68	22.79	11.03	21.57	8.98	8.98	5.48	6.52	5.32
29	17.27	7.75	17.49	7.06	---	10.65	21.99	8.42	8.83	5.47	6.78	5.05
30	17.88	7.39	17.51	9.53	---	10.11	21.25	8.03	9.45	5.90	7.79	4.86
31	17.43	---	16.96	10.25	---	9.65	---	7.63	---	5.94	8.02	---
MEAN	12.65	12.78	11.54	10.32	15.78	14.80	14.47	10.96	10.56	9.29	9.19	5.60
MAX	17.88	17.47	17.51	16.64	24.53	21.88	21.99	19.52	14.04	13.87	13.40	7.56
MIN	8.77	7.39	6.57	6.68	10.02	9.65	7.38	7.63	6.81	5.47	6.27	4.52

02483000 TUSCOLAMETA CREEK AT WALNUT GROVE, MS

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.

DRAINAGE AREA.--411 mi^2 combined drainage area for all channels.

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for October to December 1938, published in WSP 1304. Daily mean gage heights published since October 1971.

REVISED RECORDS.--WSP 1002: 1943. WSP 1504: 1939-40, 1943-44(M). WDR MS-92: 1983-1984.

GAGE.--Water-stage recorder. Datum of gages is 322.70 ft above NGVD of 1929 (levels by U. S. Army Corps of Engineers). Prior to June 18, 1939, nonrecording gage and June 18, 1939 to July 13, 1953, water-stage recorder and nonrecording gage, at site 0.2 mi upstream at same datum. Water-stage recorder, on south canal right bank at upstream side of bridge on State Highway 35, 1 mi south of north canal gage. Prior to Nov. 24, 1943, nonrecording gage and Nov. 24,1943 to Oct. 21, 1959, water-stage recorder, on south canal at site 1,800 ft downstream, at same datum. Prior to Oct. 1, 1971, at datum 10.00 ft higher.

REMARKS.--Estimated daily discharges: Feb. 25-26, Apr. 9-11, May 1-2, Aug. 4-5, and Sept. 22-24. Records are 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 30	1315	5,080	25.95	Mar. 7	1500	4,120	24.82
Dec. 26	0730	8,420	27.19	Apr. 8	0545	*56,000	*32.08
Feb. 17	2300	4,550	25.57	Apr. 27	0715	4,750	25.88
Feb. 23	0230	26,200	29.80	Jun. 28	2315	4,700	25.40

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	214	1390	121	2250	1010	1760	133	e208	52	2640	249	89
2	133	370	119	2310	442	869	129	e169	49	3370	158	126
3	108	245	111	1420	311	566	118	151	96	3360	138	120
4	1140	577	140	611	257	444	117	133	164	2470	e637	106
5	2170	1920	1150	408	230	790	119	123	103	2380	e1130	203
6	1940	3220	1260	331	682	3600	753	112	99	3090	835	109
7	684	3430	695	269	2560	4020	21800	102	270	3530	2070	92
8	553	2240	336	239	2300	3030	46700	177	293	3450	3480	114
9	416	570	251	235	1480	1100	e18500	215	139	2680	3240	87
10	396	294	385	228	1070	545	e6630	137	87	956	1070	71
11	947	500	1110	216	1050	391	e1790	109	67	378	251	59
12	878	655	879	203	663	321	613	124	380	744	198	54
13	541	401	1330	192	393	469	410	119	550	760	428	57
14	231	246	1720	183	302	1750	325	100	762	680	306	81
15	349	610	1330	176	725	1600	269	121	996	917	189	101
16	937	915	691	170	3580	758	230	134	1510	437	136	80
17	568	633	384	168	4270	631	206	201	976	225	109	66
18	261	314	295	163	3840	817	186	705	1260	1080	95	56
19	159	228	371	159	1300	1330	170	538	1380	638	762	53
20	155	190	1200	157	504	1210	160	287	978	203	493	53
21	260	172	1060	157	4040	663	152	178	345	137	197	54
22	219	162	537	159	16600	336	140	143	173	122	123	e123
23	153	144	332	152	22700	264	122	120	119	313	96	e190
24	123	137	3930	142	11000	229	568	100	92	349	83	e167
25	114	129	5870	134	e3760	202	3480	85	79	188	75	109
26	381	126	7940	130	e1360	191	4320	93	72	123	67	79
27	1160	128	5490	131	2430	215	4550	119	2720	98	89	65
28	3500	132	1790	127	2400	202	1890	100	4500	81	72	59
29	4490	128	566	291	---	178	413	77	4320	72	74	51
30	5000	123	398	1920	---	159	272	66	2540	69	84	45
31	3970	---	727	1850	---	145	---	57	---	118	77	---
TOTAL	32150	20329	42518	15281	91259	28785	115265	5103	25171	35658	17011	2719
MEAN	1037	678	1372	493	3259	929	3842	165	839	1150	549	90.6
MAX	5000	3430	7940	2310	22700	4020	46700	705	4500	3530	3480	203
MIN	108	123	111	127	230	145	117	57	49	69	67	45
CFSM	2.52	1.65	3.34	1.20	7.93	2.26	9.35	0.40	2.04	2.80	1.34	0.22
IN.	2.91	1.84	3.85	1.38	8.26	2.61	10.43	0.46	2.28	3.23	1.54	0.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2003, BY WATER YEAR (WY)

MEAN	128	306	608	1037	1268	1208	1071	485	182	196	115	92.6
MAX	1433	1657	3025	4061	4111	4089	3842	2482	839	2001	752	1244
(WY)	1976	1958	1962	1990	1990	1980	2003	1983	2003	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1939 - 2003	
ANNUAL TOTAL	217719.9		431249			
ANNUAL MEAN	596		1182		554	
HIGHEST ANNUAL MEAN					1303	1983
LOWEST ANNUAL MEAN					96.9	2000
HIGHEST DAILY MEAN	7940	Dec 26	46700	Apr 8	46700	Apr 8 2003
LOWEST DAILY MEAN	8.2	Sep 17	45	Sep 30	2.3	Sep 9 2000
ANNUAL SEVEN-DAY MINIMUM	9.8	Sep 5	66	Sep 15	3.3	Sep 26 1954
MAXIMUM PEAK FLOW			56000	Apr 8	56000	Apr 8 2003
MAXIMUM PEAK STAGE			32.08	Apr 8	33.00	Jan 7 1950
ANNUAL RUNOFF (CFSM)	1.45		2.87		1.35	
ANNUAL RUNOFF (INCHES)	19.71		39.03		18.32	
10 PERCENT EXCEEDS	1850		3050		1450	
50 PERCENT EXCEEDS	139		272		108	
90 PERCENT EXCEEDS	20		87		16	

e Estimated

02483000 TUSCOLAMETA CREEK AT WALNUT GROVE, MS--Continued

GAGE HEIGH, FEET, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.83	17.55	12.45	20.90	16.22	19.05	12.65	---	11.94	21.20	13.01	12.33
2	12.41	13.64	12.41	21.06	14.10	16.15	12.59	---	11.91	23.26	12.56	12.53
3	12.30	13.24	12.37	18.47	13.50	14.92	12.53	12.77	12.28	23.21	12.68	12.38
4	17.24	14.66	12.47	15.20	13.24	14.36	12.50	12.61	12.79	21.90	---	12.25
5	20.85	19.39	17.13	14.14	13.18	15.62	12.53	12.51	12.35	22.43	---	12.30
6	20.47	23.26	17.19	13.74	13.82	24.13	14.79	12.42	12.34	23.31	14.45	12.27
7	15.91	23.43	15.18	13.38	21.53	24.68	28.78	12.34	13.62	24.12	19.17	12.31
8	14.40	20.31	13.63	13.23	20.29	22.49	31.47	12.88	13.77	24.01	22.98	12.43
9	13.48	14.68	13.19	13.22	17.72	16.99	---	13.15	12.67	21.66	22.42	12.20
10	13.79	13.45	13.94	13.18	16.84	14.82	---	12.58	12.27	15.99	16.17	12.12
11	15.93	14.71	16.99	13.14	16.37	14.13	---	12.38	12.08	13.99	12.92	12.05
12	14.73	14.96	15.97	13.06	14.96	13.83	15.40	12.47	13.79	15.45	12.61	12.00
13	13.58	13.77	17.76	12.96	13.92	14.49	14.34	12.51	13.95	15.02	12.77	12.03
14	12.86	13.15	18.57	12.89	13.51	18.91	13.85	12.35	15.01	15.33	13.32	12.17
15	14.01	14.87	16.99	12.83	15.17	18.07	13.52	12.51	16.39	15.81	12.79	12.27
16	16.60	16.46	14.88	12.77	24.20	15.43	13.30	12.67	18.39	13.89	12.50	12.13
17	14.72	15.29	13.78	12.73	25.22	15.14	13.13	12.97	16.17	13.24	12.37	12.05
18	13.29	13.69	13.37	12.70	24.37	15.95	12.98	15.61	17.18	17.44	12.31	12.02
19	12.71	13.12	13.78	12.67	17.82	17.58	12.84	15.18	17.25	15.52	15.51	12.00
20	12.77	12.91	17.30	12.64	14.61	16.58	12.75	13.81	15.76	13.14	14.73	12.00
21	13.69	12.83	16.32	12.62	23.30	14.71	12.69	13.00	13.62	12.70	13.03	12.02
22	13.33	12.76	14.29	12.62	28.45	13.75	12.60	12.71	12.80	12.65	12.56	---
23	12.76	12.65	13.50	12.60	29.40	13.44	12.50	12.57	12.46	14.14	12.38	---
24	12.56	12.57	24.31	12.57	27.68	13.27	14.63	12.37	12.28	14.19	12.27	---
25	12.52	12.53	26.29	12.53	---	13.12	23.87	12.26	12.17	13.03	12.20	12.49
26	13.68	12.51	27.07	12.50	---	13.06	25.33	12.28	12.10	12.53	12.12	12.31
27	16.40	12.51	26.13	12.49	21.47	13.23	25.68	12.38	21.23	12.35	12.09	12.21
28	23.32	12.56	19.68	12.48	20.90	13.12	19.94	12.28	25.09	12.22	12.12	12.18
29	25.20	12.52	14.89	13.23	---	12.94	14.30	12.13	24.84	12.15	12.13	12.14
30	25.86	12.48	14.01	19.54	---	12.82	13.58	12.06	20.78	12.11	12.24	12.10
31	24.55	---	15.51	18.89	---	12.73	---	11.99	---	12.61	12.19	---
MEAN	15.77	14.75	16.50	14.10	---	15.79	---	---	14.98	16.47	---	---
MAX	25.86	23.43	27.07	21.06	---	24.68	---	---	25.09	24.12	---	---
MIN	12.30	12.48	12.37	12.48	---	12.73	---	---	11.91	12.11	---	---

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 mi^2.

PERIOD OF RECORD.--Oct. 1936 to Sept. 1953, Oct. 1994 to current year. Daily mean gage heights published since October 1994. 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 NGVD of 1929, 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: July 16. Records fair 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 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 12,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 30	2245	12,600	19.78	Apr. 9	0430	*46,400	*27.63
Dec. 28	0445	13,300	20.35	Apr. 28	2345	16,400	22.21
Feb. 24	1715	45,300	27.51				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9170	11700	823	8560	4050	19900	1500	12300	808	6080	632	1380
2	5720	9520	755	8950	3400	16000	1330	9290	703	5720	842	1320
3	4330	7590	696	8450	3010	13300	1190	6780	706	5960	784	1310
4	4510	6930	678	7300	2830	11800	1100	4630	843	6400	982	1160
5	6280	7240	1370	6520	2460	10400	1030	2980	796	6900	2230	1030
6	7050	8820	2540	6220	2210	11200	1070	2480	776	7340	3210	982
7	7240	9230	2560	5890	4960	12400	9200	2330	2330	7400	3970	752
8	7180	9060	2170	5210	6300	11900	33000	2150	2790	7360	5770	657
9	7100	8260	1970	4100	6120	10800	43500	1960	2390	7550	6960	582
10	6570	6530	1860	3160	5700	8740	32200	1750	2120	7200	7180	496
11	6110	5970	2300	2580	5690	7580	24000	1690	1780	5440	5290	427
12	5240	5820	2560	2180	5600	6890	17500	1850	2150	4080	3330	382
13	3960	5220	2950	1880	5200	5990	13200	1650	5270	3630	2900	359
14	2830	4580	4370	1640	4690	5780	10700	1430	5350	3120	2820	352
15	2200	4700	4510	1440	4290	5610	8110	1290	5080	3090	2110	351
16	2500	6030	4040	1290	7410	4730	5750	1200	5680	e2700	1500	354
17	2360	6010	3430	1180	9430	3600	3780	1280	6120	1710	1150	330
18	1800	5160	3050	1130	9790	3420	2510	3080	6190	1670	973	304
19	1450	4230	2880	1080	9770	4090	1910	4490	6270	2030	1110	279
20	1360	3470	3670	1050	8100	5000	1510	3810	5860	1260	2980	263
21	2490	2880	4240	1010	9640	4770	1250	3490	4910	938	2940	256
22	2610	2380	3790	987	21000	4160	1070	3220	3730	782	2230	285
23	2230	1990	3200	956	37000	3810	954	2730	3100	909	1780	482
24	2030	1730	6020	915	44700	3650	1140	2250	2560	1130	1700	665
25	1810	1540	10500	877	43300	3290	8750	1850	2000	954	1650	616
26	1610	1380	11300	846	37200	2850	13700	1590	1540	736	1450	567
27	2180	1240	12700	819	30600	2550	14900	1640	2160	595	1100	516
28	6340	1130	13100	798	25400	2360	15900	1490	4220	501	848	434
29	11000	1020	11100	861	---	2170	16000	1220	5240	436	722	366
30	12400	914	8830	2710	---	1900	14600	1060	6410	481	1040	340
31	12400	---	8040	4050	---	1710	---	932	---	556	1350	---
TOTAL	152060	152274	142002	94639	359850	212350	302354	89892	99882	104658	73533	17597
MEAN	4905	5076	4581	3053	12850	6850	10080	2900	3329	3376	2372	587
MAX	12400	11700	13100	8950	44700	19900	43500	12300	6410	7550	7180	1380
MIN	1360	914	678	798	2210	1710	954	932	703	436	632	256
MED	4330	5190	3200	1640	6210	5000	6930	1960	2680	2700	1700	458
CFSM	2.48	2.56	2.31	1.54	6.49	3.46	5.09	1.46	1.68	1.70	1.20	0.30
IN.	2.86	2.86	2.67	1.78	6.76	3.99	5.68	1.69	1.88	1.97	1.38	0.33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2003, BY WATER YEAR (WY)

MEAN	477	857	2102	4644	6103	5607	4605	2049	1074	1112	630	452
MAX	4905	5076	8928	14570	12920	10310	11520	9072	4860	9383	2372	2607
(WY)	2003	2003	1949	1949	1946	1944	1938	1953	1997	1940	2003	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1937 - 2003	
ANNUAL TOTAL	1018160		1801091			
ANNUAL MEAN	2789		4934		2457	
HIGHEST ANNUAL MEAN					4934	2003
LOWEST ANNUAL MEAN					873	2000
HIGHEST DAILY MEAN	13600	Sep 29	44700	Feb 24	45500	Jan 8 1950
LOWEST DAILY MEAN	50	Sep 17	256	Sep 21	35	Sep 6 2000
ANNUAL SEVEN-DAY MINIMUM	52	Sep 14	296	Sep 16	40	Sep 1 2000
MAXIMUM PEAK FLOW			46400	Apr 9	46500	Jan 8 1950
MAXIMUM PEAK STAGE			27.63	Apr 9	28.56	Jan 8 1950
INSTANTANEOUS LOW FLOW			252	Sep 21	30	Sep 6 2000
ANNUAL RUNOFF (CFSM)	1.41		2.49		1.24	
ANNUAL RUNOFF (INCHES)	19.12		33.82		16.85	
10 PERCENT EXCEEDS	7730		10600		6750	
50 PERCENT EXCEEDS	1330		2880		814	
90 PERCENT EXCEEDS	152		754		123	

e Estimated

02483500 PEARL RIVER NEAR LENA, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.94	19.06	6.23	16.43	11.63	23.49	7.65	19.52	6.02	13.69	5.46	6.88
2	13.59	17.27	6.07	16.78	10.77	21.94	7.29	17.07	5.76	13.27	5.87	6.77
3	11.99	15.52	5.92	16.33	10.21	20.29	6.96	14.71	5.77	13.54	5.76	6.76
4	12.20	14.88	5.88	15.24	9.94	19.12	6.75	12.34	6.11	14.01	6.14	6.48
5	14.20	15.18	7.48	14.46	9.35	18.04	6.57	10.16	5.99	14.56	8.13	6.24
6	15.00	16.66	9.64	14.15	8.95	18.71	6.66	9.39	5.94	15.00	9.66	6.14
7	15.18	17.03	9.67	13.79	12.71	19.62	16.66	9.14	9.11	15.06	10.76	5.69
8	15.12	16.88	9.08	13.03	14.23	19.22	25.68	8.84	9.85	15.01	13.12	5.51
9	15.05	16.15	8.75	11.70	14.04	18.35	27.30	8.51	9.18	15.20	14.49	5.36
10	14.51	14.47	8.55	10.43	13.59	16.58	25.80	8.12	8.71	14.82	14.73	5.19
11	14.03	13.88	9.29	9.55	13.57	15.52	24.44	8.01	8.08	12.79	12.52	5.05
12	13.07	13.71	9.68	8.90	13.47	14.83	22.62	8.32	8.61	11.02	9.84	4.95
13	11.52	13.05	10.21	8.37	13.02	13.90	20.26	7.94	13.01	10.36	9.17	4.90
14	9.93	12.29	12.04	7.92	12.43	13.68	18.29	7.49	13.10	9.56	9.02	4.88
15	8.93	12.44	12.22	7.52	11.94	13.49	16.00	7.20	12.77	9.48	7.97	4.88
16	9.43	13.95	11.65	7.19	15.32	12.47	13.62	6.99	13.44	---	7.08	4.89
17	9.20	13.92	10.87	6.96	17.20	11.04	11.27	7.15	13.91	7.40	6.46	4.82
18	8.22	12.98	10.35	6.83	17.52	10.79	9.43	10.28	13.97	7.33	6.13	4.76
19	7.53	11.87	10.10	6.71	17.50	11.67	8.42	12.19	14.05	7.86	6.35	4.70
20	7.34	10.91	11.17	6.61	16.00	12.80	7.66	11.32	13.59	6.66	9.29	4.66
21	9.38	10.09	11.88	6.53	17.31	12.53	7.10	10.89	12.47	6.06	9.21	4.64
22	9.59	9.34	11.32	6.47	23.50	11.77	6.69	10.51	10.93	5.75	8.13	4.71
23	8.98	8.70	10.54	6.39	26.46	11.32	6.39	9.79	9.99	6.00	7.50	5.16
24	8.64	8.23	13.79	6.29	27.45	11.11	6.73	9.02	9.12	6.43	7.39	5.52
25	8.24	7.86	18.07	6.19	27.28	10.61	16.45	8.32	8.18	6.09	7.31	5.42
26	7.86	7.54	18.80	6.11	26.51	9.97	20.64	7.82	7.40	5.66	7.00	5.33
27	8.88	7.24	19.86	6.05	25.58	9.51	21.41	7.92	8.36	5.38	6.38	5.23
28	14.06	6.97	20.18	6.00	24.70	9.20	21.94	7.61	11.47	5.20	5.88	5.07
29	18.54	6.71	18.61	6.15	---	8.87	21.99	7.04	12.74	5.07	5.63	4.92
30	19.60	6.45	16.67	9.68	---	8.40	21.19	6.65	14.08	5.16	6.26	4.85
31	19.63	---	15.95	11.64	---	8.05	---	6.33	---	5.31	6.83	---
MEAN	12.14	12.37	11.63	9.56	16.51	14.09	14.66	9.57	10.06	---	8.24	5.35
MAX	19.63	19.06	20.18	16.78	27.45	23.49	27.30	19.52	14.08	---	14.73	6.88
MIN	7.34	6.45	5.88	6.00	8.95	8.05	6.39	6.33	5.76	---	5.46	4.64
MED	11.99	13.02	10.54	7.92	14.13	12.80	14.81	8.51	9.52	---	7.39	5.12

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 mi^2.

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 NGVD of 1929, (levels by U. S. Army Corps of Engineers). Prior to Mar. 28, 1939, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: Aug. 16-17. 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 5	1000	3,140	13.20	Feb. 23	1800	*8,400	*16.02
Nov. 7	2300	3,520	13.50	Feb. 27	1900	4,220	13.98
Nov. 13	1000	4,290	14.03	Apr. 9	0200	6,560	15.25

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	268	226	114	1680	1020	3910	171	104	40	769	55	167
2	124	154	105	2520	383	2990	155	75	38	1030	177	248
3	127	132	98	2540	272	1740	136	109	50	1100	182	120
4	1400	462	191	2140	291	609	131	313	70	485	692	91
5	2930	1670	961	914	301	405	164	159	62	347	541	73
6	2310	3220	1230	370	619	714	768	101	51	296	201	65
7	1150	3340	699	265	1860	1080	4810	85	58	175	884	56
8	583	3210	325	223	2360	887	5950	82	70	130	417	47
9	287	1820	231	216	2240	474	5960	78	58	113	115	41
10	179	570	244	211	1920	341	3610	65	45	87	68	37
11	155	2070	353	188	1440	269	1620	79	40	129	53	36
12	152	3760	289	163	785	234	401	445	254	163	169	34
13	123	4170	559	151	399	226	229	214	715	96	139	33
14	104	3170	1010	146	310	360	180	108	1120	186	120	33
15	89	1790	688	142	372	352	143	171	1750	221	69	33
16	84	1500	375	140	1220	268	121	222	1550	250	e52	32
17	87	1390	271	163	1650	516	107	229	506	104	e43	31
18	80	657	222	174	1470	889	95	902	540	74	37	29
19	71	327	337	161	749	1320	85	1040	779	69	34	28
20	104	241	1020	150	454	1630	77	683	1070	60	35	27
21	349	198	918	146	2240	1070	73	461	740	54	32	27
22	294	170	443	145	6400	410	67	234	261	50	28	37
23	175	148	289	172	7830	281	61	157	120	49	27	89
24	123	132	1270	159	7000	233	154	112	88	49	27	68
25	106	126	2340	130	3980	198	1690	91	69	43	26	41
26	96	124	2290	125	2270	209	2080	88	60	42	25	33
27	100	142	1870	128	3550	279	1370	89	574	41	219	42
28	456	148	730	128	3910	240	411	74	804	39	1210	99
29	1140	130	334	525	---	231	167	61	274	37	719	49
30	965	119	288	1470	---	290	115	53	202	39	245	33
31	426	---	453	1610	---	212	---	47	---	50	184	---
TOTAL	14637	35316	20547	17395	57295	22867	31101	6731	12058	6377	6825	1779
MEAN	472	1177	663	561	2046	738	1037	217	402	206	220	59.3
MAX	2930	4170	2340	2540	7830	3910	5960	1040	1750	1100	1210	248
MIN	71	119	98	125	272	198	61	47	38	37	25	27
CFSM	1.56	3.89	2.19	1.85	6.75	2.43	3.42	0.72	1.33	0.68	0.73	0.20
IN.	1.80	4.34	2.52	2.14	7.03	2.81	3.82	0.83	1.48	0.78	0.84	0.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2003, BY WATER YEAR (WY)

MEAN	91.9	266	578	839	979	953	798	410	169	166	72.7	77.6
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1938 - 2003	
ANNUAL TOTAL	195789.9		232928			
ANNUAL MEAN	536		638		448	
HIGHEST ANNUAL MEAN					1217	1983
LOWEST ANNUAL MEAN					90.6	1963
HIGHEST DAILY MEAN	5380	Sep 27	7830	Feb 23	34300	Apr 13 1979
LOWEST DAILY MEAN	7.7	Sep 13	25	Aug 26	2.0	Oct 31 2000
ANNUAL SEVEN-DAY MINIMUM	8.2	Sep 11	29	Aug 20	2.2	Oct 28 2000
MAXIMUM PEAK FLOW			8400	Feb 23	40700	Apr 13 1979
MAXIMUM PEAK STAGE			16.02	Feb 23	23.06	Apr 13 1979
INSTANTANEOUS LOW FLOW			24	Aug 27	2.0	Oct 29 2000
ANNUAL RUNOFF (CFSM)	1.77		2.11		1.48	
ANNUAL RUNOFF (INCHES)	24.04		28.60		20.07	
10 PERCENT EXCEEDS	2020		1770		1240	
50 PERCENT EXCEEDS	130		202		93	
90 PERCENT EXCEEDS	17		43		14	

e Estimated

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 mi^2.

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 NGVD of 1929 (levels by U. S. Army Corps of Engineers). Prior to June 10, 1988, at datum 5.00 ft. higher. Prior to Sept. 5, 1962, nonrecording gage at same site.

REMARKS.--Estimated daily discharges: Jan. 31, Feb. 16,27, Mar. 6, and Jun. 1-3. 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 2,700 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 16	0930	3,470	18.79	Apr. 10	0930	6,370	21.42
Feb. 25	1900	*9,010	*22.38	Apr. 25	2330	4,720	20.27

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3650	1130	204	1330	790	4400	267	1190	e105	634	66	546
2	2710	943	188	1300	1140	3900	245	635	e95	530	81	454
3	1840	655	177	1270	1290	3630	204	341	e88	502	91	339
4	1130	408	181	1550	1150	3220	178	201	83	683	167	333
5	794	674	355	1850	750	2570	160	195	83	1030	268	263
6	827	1280	449	1980	534	e2310	185	283	105	988	330	167
7	1250	1260	549	1770	1100	1710	2480	263	141	808	412	120
8	1900	1690	712	1270	960	1340	3680	204	120	603	494	99
9	2000	2330	879	749	1020	1140	5270	163	101	481	560	82
10	1570	2640	896	484	1410	1070	6320	145	101	379	655	72
11	1060	2530	702	375	1760	939	5850	163	90	273	461	66
12	652	2080	512	325	1790	702	4170	174	316	201	200	63
13	377	1620	574	283	1540	515	2730	195	697	211	127	61
14	266	1790	686	245	1230	423	1660	290	508	243	179	61
15	205	2800	648	221	951	386	823	312	715	187	221	60
16	162	3400	705	210	e1200	373	393	230	1110	225	180	60
17	137	2920	816	205	996	389	245	266	1410	262	126	60
18	130	2150	822	206	918	390	186	525	1580	265	98	60
19	119	1550	704	223	1070	636	156	809	1470	180	82	57
20	152	1300	765	223	1150	767	138	691	1100	129	75	57
21	381	1070	621	209	2540	946	126	768	798	111	67	57
22	355	745	637	200	5320	1120	119	878	739	100	62	57
23	371	487	781	196	6580	1180	109	810	777	94	60	58
24	368	353	1230	193	7410	993	150	581	701	83	57	62
25	306	282	1460	206	8150	607	3030	339	417	78	55	107
26	212	242	1360	194	7790	387	3830	224	214	76	54	97
27	169	224	1520	170	e7000	302	2620	231	255	72	53	73
28	1430	214	1890	165	5440	275	2290	198	253	67	52	63
29	2360	219	1960	229	---	289	2150	162	327	64	102	64
30	1740	222	1690	434	---	283	1780	139	493	62	271	107
31	1330	---	1310	e538	---	265	---	132	---	64	422	---
TOTAL	29953	39208	25983	18803	72979	37457	51544	11737	14992	9685	6128	3825
MEAN	966	1307	838	607	2606	1208	1718	379	500	312	198	128
MAX	3650	3400	1960	1980	8150	4400	6320	1190	1580	1030	655	546
MIN	119	214	177	165	534	265	109	132	83	62	52	57
CFSM	2.06	2.79	1.79	1.29	5.56	2.58	3.66	0.81	1.07	0.67	0.42	0.27
IN.	2.38	3.11	2.06	1.49	5.79	2.97	4.09	0.93	1.19	0.77	0.49	0.30

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2003, BY WATER YEAR (WY)

MEAN	136	332	819	1274	1474	1439	1325	696	240	197	117	102
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1944 - 2003	
ANNUAL TOTAL	245704		322294			
ANNUAL MEAN	673		883		675	
HIGHEST ANNUAL MEAN					1868	1983
LOWEST ANNUAL MEAN					131	1963
HIGHEST DAILY MEAN	5400	Sep 30	8150	Feb 25	40900	Apr 15 1979
LOWEST DAILY MEAN	14	Sep 16	52	Aug 28	5.3	Aug 20 1954
ANNUAL SEVEN-DAY MINIMUM	14	Sep 14	56	Aug 22	6.3	Sep 7 1954
MAXIMUM PEAK FLOW			9010	Feb 25	46500	Apr 14 1979
MAXIMUM PEAK STAGE			22.38	Feb 25	28.27	Apr 14 1979
INSTANTANEOUS LOW FLOW			52	Aug 27,28	4.9	Aug 20 1954
ANNUAL RUNOFF (CFSM)	1.44		1.88		1.44	
ANNUAL RUNOFF (INCHES)	19.49		25.56		19.56	
10 PERCENT EXCEEDS	1960		2110		1810	
50 PERCENT EXCEEDS	222		390		175	
90 PERCENT EXCEEDS	26		82		27	

e Estimated

02484500 YOCKANOOKANY RIVER NEAR OFAHOMA, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.05	13.52	7.17	13.33	11.12	20.19	8.35	12.79	---	10.04	5.56	9.66
2	17.34	12.74	7.01	13.22	12.74	19.66	8.18	10.27	---	9.45	5.77	9.10
3	15.08	11.38	6.91	13.14	13.38	19.31	7.83	8.49	---	9.27	5.91	8.34
4	12.61	9.96	6.95	14.18	12.84	18.65	7.58	7.39	6.10	10.24	6.74	8.31
5	11.18	11.26	8.33	15.15	11.11	17.33	7.41	7.34	6.10	12.03	7.66	7.76
6	11.33	13.87	8.96	15.51	10.00	---	7.59	8.08	6.39	11.82	8.13	6.90
7	13.05	13.63	9.55	14.91	12.81	15.00	16.76	7.92	6.81	10.92	8.68	6.41
8	15.29	14.96	10.45	13.11	12.25	13.71	19.36	7.42	6.57	9.81	9.19	6.14
9	15.57	16.64	11.32	10.83	12.57	12.96	20.78	7.03	6.34	9.12	9.57	5.91
10	14.22	17.26	11.40	9.40	14.12	12.68	21.40	6.85	6.34	8.47	10.10	5.76
11	12.33	16.94	10.39	8.71	15.37	12.12	21.16	7.03	6.20	7.70	8.99	5.67
12	10.46	15.79	9.34	8.36	15.49	11.02	19.86	7.15	7.91	7.09	7.14	5.61
13	8.86	14.41	9.68	8.05	14.72	10.01	17.57	7.34	10.59	7.18	6.46	5.59
14	8.05	14.91	10.31	7.75	13.63	9.46	14.71	8.13	9.58	7.47	7.01	5.58
15	7.54	17.53	10.10	7.54	12.52	9.22	11.46	8.30	10.68	6.96	7.43	5.57
16	7.13	18.69	10.41	7.45	---	9.13	9.15	7.65	12.51	7.30	7.06	5.55
17	6.87	17.81	11.00	7.40	12.82	9.24	8.08	7.92	13.67	7.62	6.49	5.54
18	6.79	15.96	11.03	7.41	12.52	9.24	7.57	9.66	14.28	7.64	6.16	5.53
19	6.67	14.16	10.41	7.56	13.22	10.65	7.28	11.17	13.90	6.89	5.94	5.49
20	6.99	13.19	10.74	7.56	13.57	11.34	7.08	10.58	12.42	6.37	5.85	5.48
21	8.89	12.22	9.95	7.44	17.76	12.15	6.95	10.97	11.07	6.16	5.72	5.48
22	8.72	10.62	10.04	7.36	21.24	12.86	6.87	11.49	10.76	6.03	5.66	5.48
23	8.83	9.18	10.82	7.32	21.87	13.12	6.75	11.17	10.95	5.94	5.62	5.48
24	8.81	8.33	12.90	7.29	22.13	12.34	7.07	9.98	10.53	5.80	5.57	5.54
25	8.36	7.81	13.86	7.41	22.33	10.51	17.53	8.48	8.87	5.73	5.53	6.16
26	7.60	7.50	13.45	7.30	22.18	9.22	19.23	7.60	7.36	5.70	5.51	6.03
27	7.20	7.34	14.04	7.07	---	8.62	17.16	7.66	7.69	5.65	5.50	5.70
28	13.64	7.26	15.28	7.02	20.97	8.42	16.36	7.36	7.66	5.57	5.49	5.54
29	17.36	7.30	15.45	7.60	---	8.52	15.99	7.03	8.20	5.51	6.14	5.55
30	15.68	7.32	14.65	9.10	---	8.49	14.91	6.78	9.26	5.49	7.84	6.14
31	14.27	---	13.26	---	---	8.34	---	6.71	---	5.53	8.90	---
MEAN	11.15	12.65	10.81	---	---	---	12.60	8.51	---	7.63	6.88	6.23
MAX	19.05	18.69	15.45	---	---	---	21.40	12.79	---	12.03	10.10	9.66
MIN	6.67	7.26	6.91	---	---	---	6.75	6.71	---	5.49	5.49	5.48

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 mi^2.

PERIOD OF RECORD.--May 1998 to September 2001, flood hydrograph. October 2001 to current, stage only.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (U.S. Geological Survey benchmark).

REMARKS.--Records good. Regulation by the Ross Barnett Resevoir.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 14, 1979, gage height, 313.1 ft (from floodmark).

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 306.67 ft, Feb. 26, minimum daily, 295.68 ft, Jan. 26, 27.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	299.56	299.36	296.40	297.46	296.46	303.86	296.26	299.93	297.29	297.81	297.35	297.36
2	298.26	298.86	296.41	---	296.31	302.48	296.23	299.04	297.35	297.88	297.37	297.37
3	297.24	298.11	296.36	---	296.27	300.91	296.14	298.19	297.39	297.88	297.37	297.38
4	297.15	297.69	296.34	---	296.20	299.69	296.09	297.76	297.26	297.86	297.43	297.32
5	297.21	297.86	296.23	---	296.13	298.92	296.01	297.56	297.22	297.98	297.47	297.27
6	297.44	298.21	296.19	---	296.12	298.73	296.23	297.39	297.28	298.10	297.51	297.28
7	297.76	298.46	296.20	---	296.55	299.29	299.55	297.37	297.41	298.03	297.62	297.28
8	298.00	298.44	296.12	---	297.09	299.18	303.31	297.41	297.40	298.01	297.59	297.30
9	298.06	298.30	296.02	---	297.08	298.64	304.64	297.41	297.35	298.08	297.81	297.31
10	297.95	298.02	296.00	296.44	296.96	298.04	306.18	297.42	297.36	298.11	297.93	297.31
11	297.72	297.57	296.03	296.21	296.95	297.48	305.17	297.40	297.43	297.90	297.77	297.31
12	297.57	297.43	296.04	296.03	296.95	297.23	303.64	297.31	297.49	297.54	297.44	297.30
13	297.25	297.33	296.15	295.98	296.82	297.14	301.77	297.30	297.64	297.37	297.38	297.33
14	296.96	297.20	296.38	295.96	296.76	297.05	299.99	297.31	297.87	297.26	297.36	297.33
15	296.76	297.24	296.49	295.89	296.60	296.97	298.69	297.35	297.88	297.25	297.33	297.27
16	296.67	297.43	296.39	295.91	297.08	296.81	297.79	297.34	297.91	297.27	297.35	297.26
17	296.70	297.62	296.25	295.84	297.96	296.64	297.08	297.43	297.92	297.30	297.35	297.27
18	296.68	297.46	296.18	295.89	298.11	296.47	296.51	297.47	298.02	297.32	297.35	297.26
19	296.70	297.20	296.15	295.89	297.97	296.79	296.19	297.68	298.05	297.36	297.35	297.26
20	296.74	296.99	296.31	295.96	297.77	296.88	296.06	297.58	297.90	297.36	297.39	297.21
21	296.89	296.86	296.42	295.94	298.13	296.71	296.03	297.48	297.64	297.35	297.39	297.22
22	296.96	296.71	296.34	295.84	301.20	296.54	---	297.44	297.44	297.37	297.33	297.30
23	296.87	296.64	296.12	295.75	303.81	296.45	---	297.37	297.35	297.37	297.31	297.28
24	296.80	296.60	296.83	295.71	305.12	296.43	---	297.34	297.32	297.32	297.34	297.28
25	296.80	296.56	298.38	295.69	306.52	296.44	297.35	297.43	297.35	297.31	297.34	297.29
26	296.81	296.46	298.91	295.68	306.55	296.36	299.04	297.38	297.41	297.31	297.35	297.32
27	296.87	296.37	298.73	295.68	306.08	296.26	300.13	297.29	297.38	297.33	297.35	297.34
28	297.79	296.35	298.95	295.76	305.07	296.22	300.31	297.34	297.49	297.36	297.32	297.31
29	299.08	296.42	298.92	295.90	---	296.13	300.54	297.37	297.68	297.33	297.32	297.26
30	299.84	296.48	298.23	296.13	---	296.08	300.44	297.38	297.78	297.33	297.35	297.23
31	299.71	---	297.68	296.50	---	296.13	---	297.41	---	297.37	297.36	---
MEAN	297.51	297.41	296.78	---	298.95	297.71	---	297.58	297.54	297.56	297.43	297.29
MAX	299.84	299.36	298.95	---	306.55	303.86	---	299.93	298.05	298.11	297.93	297.38
MIN	296.67	296.35	296.00	---	296.12	296.08	---	297.29	297.22	297.25	297.31	297.21
MED	297.21	297.38	296.34	---	297.08	296.88	---	297.41	297.42	297.37	297.36	297.29

02485700 HANGING MOSS CREEK NEAR 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 mi^2.

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 NGVD of 1929. 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: Feb. 22 - Mar. 3, Apr. 6-14,24, and May 16-20. Occasional backwater from the Pearl River. Records fair 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 24	0415	1,840	14.60	Apr. 7	0315	*unknown	*24.18
Feb. 21	0715	2,900	17.23				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.57	1.9	1.6	112	7.6	e6.0	2.0	1.2	0.74	19	0.84	39
2	0.43	1.6	0.94	32	4.8	e5.0	1.8	1.0	4.8	46	0.78	39
3	2.4	50	0.91	16	8.6	e27	1.8	0.89	25	38	5.1	99
4	6.7	104	121	8.2	9.4	41	2.7	1.0	2.7	77	9.0	38
5	0.97	300	77	5.7	7.5	203	2.8	0.89	1.1	52	1.4	4.3
6	0.55	30	12	4.1	227	112	e1000	14	15	5.2	3.9	1.4
7	30	6.6	4.2	3.6	81	32	e6000	20	13	2.9	146	0.62
8	3.4	2.8	2.6	2.5	24	18	e800	9.9	2.1	4.0	2.0	0.46
9	1.1	2.1	3.0	2.6	42	12	e180	4.2	0.99	7.2	0.80	0.43
10	6.0	6.7	14	2.6	80	7.5	e37	2.4	5.6	1.3	0.51	0.64
11	1.3	4.3	6.7	1.8	25	5.5	e8.0	9.1	18	0.99	0.42	0.53
12	0.77	1.3	9.0	1.4	11	4.8	e6.0	4.1	376	0.90	96	0.41
13	0.48	1.2	131	1.4	8.2	114	e6.0	1.9	86	3.2	67	47
14	0.37	0.94	26	1.3	7.0	43	e5.0	32	74	0.85	6.3	10
15	0.34	82	8.1	1.4	138	18	3.8	43	234	0.71	1.0	0.92
16	0.27	13	3.8	3.5	79	10	1.9	e11	96	0.67	24	1.2
17	0.23	3.2	2.5	1.8	26	8.8	2.3	e4.0	77	0.66	1.5	0.65
18	0.37	2.5	2.3	1.2	13	21	1.6	e20	83	0.74	0.56	0.31
19	0.72	3.5	28	1.2	9.0	177	1.3	e8.0	37	0.96	26	0.28
20	113	1.8	17	1.7	24	22	1.7	e68	24	0.76	1.4	0.22
21	46	1.5	4.2	1.4	1350	7.6	1.5	73	17	0.67	2.0	21
22	4.3	1.6	2.2	1.1	e720	4.3	3.0	14	13	9.1	0.54	76
23	1.9	1.7	9.8	1.1	e200	3.5	1.5	3.9	11	19	0.38	17
24	2.0	1.6	589	1.1	e80	3.1	e392	2.3	10	1.3	0.46	7.0
25	6.0	1.8	51	1.0	e28	2.2	179	32	8.8	0.86	0.51	3.2
26	390	1.7	23	1.3	e13	6.8	18	29	11	0.73	0.40	0.67
27	49	3.3	9.6	1.5	e9.0	5.6	7.3	5.5	59	5.1	1.4	0.32
28	306	2.1	5.6	1.6	e7.0	3.4	3.3	2.9	17	0.69	25	0.51
29	55	1.8	4.1	104	---	30	2.2	1.9	24	0.64	38	0.73
30	12	3.4	3.6	55	---	6.0	1.6	1.4	47	0.61	38	0.36
31	3.3	---	266	16	---	3.4	---	0.96	---	0.71	35	---
TOTAL	1045.47	639.94	1439.75	391.1	3239.1	963.5	8675.1	423.44	1393.83	302.45	536.20	411.16
MEAN	33.7	21.3	46.4	12.6	116	31.1	289	13.7	46.5	9.76	17.3	13.7
MAX	390	300	589	112	1350	203	6000	73	376	77	146	99
MIN	0.23	0.94	0.91	1.0	4.8	2.2	1.3	0.89	0.74	0.61	0.38	0.22
CFSM	2.01	1.27	2.76	0.75	6.89	1.85	17.2	0.81	2.77	0.58	1.03	0.82
IN.	2.31	1.42	3.19	0.87	7.17	2.13	19.21	0.94	3.09	0.67	1.19	0.91

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2003, BY WATER YEAR (WY)

MEAN	10.6	23.2	32.3	43.6	45.9	38.9	49.6	14.6	12.6	11.2	8.94	6.45
MAX	57.3	95.6	201	146	142	95.4	289	49.5	46.5	35.9	31.1	36.9
(WY)	1986	1990	1983	1994	1994	2001	2003	1990	2003	1989	1982	2002
MIN	0.11	2.01	1.59	1.47	1.68	14.6	1.13	1.17	1.55	0.28	0.98	0.59
(WY)	1999	1999	1981	1981	2000	1992	1992	1982	1995	2000	1991	1993

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1981 - 2003	
ANNUAL TOTAL	9959.57		19461.04			
ANNUAL MEAN	27.3		53.3		24.7	
HIGHEST ANNUAL MEAN					57.5	1983
LOWEST ANNUAL MEAN					9.59	2000
HIGHEST DAILY MEAN	820	Sep 26	6000	Apr 7	6000	Apr 7 2003
LOWEST DAILY MEAN	0.13	Aug 11	0.22	Sep 20	0.01	Sep 19 1988
ANNUAL SEVEN-DAY MINIMUM	0.18	Sep 10	0.40	Oct 13	0.04	Sep 2 1998
MAXIMUM PEAK FLOW			unknown	Apr 7	5320	Apr 29 1953
MAXIMUM PEAK STAGE			24.18	Apr 7	27.37	Apr 29 1953
INSTANTANEOUS LOW FLOW			0.20	Sep 20	0.01	Nov 16 1987
ANNUAL RUNOFF (CFSM)	1.62		3.17		1.47	
ANNUAL RUNOFF (INCHES)	22.05		43.09		19.96	
10 PERCENT EXCEEDS	50		80		38	
50 PERCENT EXCEEDS	3.2		4.8		2.1	
90 PERCENT EXCEEDS	0.39		0.68		0.29	

e Estimated

02485700 HANGING MOSS CREEK NEAR JACKSON, MS

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.97	8.24	8.19	9.48	8.41	14.51	8.04	7.94	7.83	8.18	7.31	8.34
2	7.91	8.20	8.07	8.88	8.28	13.28	8.00	7.90	8.00	8.38	7.29	8.30
3	8.18	8.95	8.07	8.64	8.45	11.18	8.00	7.87	8.72	8.39	7.46	9.21
4	8.55	9.41	9.25	8.43	8.47	8.87	8.12	7.90	8.17	8.94	7.81	8.38
5	8.07	10.43	9.30	8.33	8.41	9.42	8.13	7.87	7.95	8.61	7.42	7.71
6	7.96	8.98	8.75	8.23	9.86	9.47	---	8.12	8.26	7.76	7.43	7.41
7	8.81	8.58	8.47	8.19	9.28	8.88	19.37	8.67	8.53	7.59	9.10	7.24
8	8.38	8.35	8.33	8.09	8.77	8.67	16.20	8.51	8.10	7.59	7.50	7.19
9	8.11	8.28	8.37	8.10	8.82	8.53	16.13	8.28	7.93	7.58	7.30	7.17
10	8.51	8.32	8.79	8.11	9.28	8.41	15.97	8.12	8.01	7.41	7.21	7.25
11	8.14	8.40	8.60	8.00	8.78	8.32	15.41	8.37	8.64	7.35	7.17	7.21
12	8.03	8.16	8.54	7.94	8.52	8.28	13.68	8.26	10.38	7.33	8.35	7.17
13	7.93	8.13	9.63	7.93	8.43	9.23	11.40	8.06	9.07	7.43	8.78	8.19
14	7.89	8.08	8.96	7.92	8.39	8.99	9.34	8.52	8.72	7.31	7.75	7.90
15	7.87	9.16	8.65	7.94	9.30	8.66	8.25	8.97	9.53	7.27	7.35	7.32
16	7.83	8.75	8.43	8.14	9.27	8.49	8.05	---	9.16	7.26	7.78	7.37
17	7.80	8.39	8.32	7.99	8.80	8.45	8.10	---	8.85	7.26	7.39	7.25
18	7.88	8.29	8.29	7.90	8.56	8.48	8.02	---	8.83	7.28	7.22	7.11
19	7.95	8.40	8.67	7.90	8.46	9.75	7.95	---	8.42	7.34	8.02	7.09
20	9.08	8.23	8.85	7.98	8.62	8.73	8.02	---	8.27	7.29	7.41	7.06
21	9.08	8.18	8.47	7.93	13.71	8.41	7.98	9.24	8.14	7.26	7.50	7.79
22	8.45	8.20	8.28	7.88	14.25	8.25	8.18	8.60	8.06	7.46	7.21	8.95
23	8.25	8.21	8.35	7.89	15.81	8.19	7.99	8.25	8.01	7.93	7.15	8.13
24	8.26	8.21	11.12	7.88	16.30	8.15	---	8.11	7.98	7.40	7.18	7.86
25	8.44	8.23	9.08	7.86	16.11	8.06	9.73	8.49	7.94	7.32	7.20	7.65
26	10.45	8.21	8.75	7.92	15.32	8.31	8.70	8.83	7.96	7.28	7.16	7.24
27	9.14	8.37	8.47	7.95	15.00	8.32	8.42	8.35	8.61	7.41	7.28	7.12
28	10.24	8.28	8.33	7.95	14.88	8.18	8.21	8.17	8.13	7.27	7.70	7.21
29	9.16	8.23	8.24	9.12	---	8.77	8.10	8.05	8.13	7.25	8.38	7.28
30	8.74	8.37	8.19	9.08	---	8.34	8.01	7.98	8.48	7.24	8.35	7.14
31	8.39	---	10.11	8.62	---	8.17	---	7.89	---	7.27	8.36	---
MEAN	8.43	8.47	8.71	8.20	10.59	9.02	---	---	8.43	7.57	7.63	7.61
MAX	10.45	10.43	11.12	9.48	16.30	14.51	---	---	10.38	8.94	9.10	9.21
MIN	7.80	8.08	8.07	7.86	8.28	8.06	---	---	7.83	7.24	7.15	7.06

02486000 PEARL RIVER AT JACKSON, MS

LOCATION.--Lat 32°16'53", long 90°10'44", in NW1/4 NE1/4 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 mi^2.

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 NGVD of 1929. Prior to Dec. 31, 1913, and Aug. 15, 1928 to Sept. 14, 1934, nonrecording gage. Prior to Oct. 1, 1975, at site at Woodrow Wilson Bridge, 0.6 mi upstream, at datum 1.20 ft higher. Since Oct. 1, 1962, supplementary water-stage recorder and concrete control at Jackson waterworks pumping plant, 3.8 mi upstream (channel change). Datum of supplementary gage is 239.40 ft above sea level.

REMARKS.--No estimated daily discharges. Records good. About 48 ft^3/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 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16700	18900	1420	16600	6470	41800	1200	18400	1100	8580	1020	2200
2	16200	17600	1470	16500	6120	38100	2100	17200	978	8460	915	1510
3	14700	15700	1350	15400	4140	32600	2590	14900	1580	9300	1870	3530
4	12200	13400	2760	13800	3870	26800	2050	10900	2640	8850	2090	2490
5	9760	13000	5760	10700	3150	23400	2050	6690	1460	8680	3030	2310
6	7600	14000	5730	8570	5010	25000	4000	4190	645	9620	4050	1360
7	7090	14500	4330	8020	8530	23300	34200	3100	2190	10300	8310	953
8	8770	13300	3870	7320	9700	22300	49200	2890	4280	8770	11000	528
9	9570	12500	3760	6270	10100	20000	48500	2470	3360	8520	9090	444
10	10100	11800	3380	5920	10600	17500	47200	2290	2390	9160	7630	437
11	10100	12000	3120	5350	9310	14400	45200	2210	1530	8700	7830	421
12	8690	10000	3600	4280	8300	11300	39600	2870	5820	7680	6560	408
13	7370	8030	5130	3250	8110	9260	32800	2440	11200	6310	5490	708
14	6220	6580	5340	2490	7030	9840	27700	1910	9260	4360	3390	745
15	4970	7600	7510	2430	6910	9280	22800	2120	9180	3030	2390	436
16	3790	9810	7400	2160	11200	7900	18500	1710	11600	2250	2070	412
17	2860	9500	6310	1710	13500	6600	14900	3050	11600	1310	1420	404
18	2240	8050	4470	1510	15000	5440	11400	6550	11300	1500	1100	389
19	1760	6910	4390	1080	15000	7570	7550	6470	11000	1880	1120	394
20	2240	6130	4680	1100	13600	9940	4130	7250	10400	1960	1680	388
21	3470	5070	5940	1500	20500	8650	1870	8090	8780	1650	3010	443
22	3410	4350	5840	1880	38500	7080	954	6250	6630	794	2630	1020
23	4130	3500	5780	1860	47300	5840	833	4660	4390	1680	1610	660
24	3340	2710	12700	1870	49800	4730	2030	2930	2990	1800	1070	401
25	2580	2770	17900	1750	48900	4060	10200	1430	1910	1450	1600	390
26	4940	3220	20900	1040	45500	3990	13600	4350	1100	1060	1210	379
27	5560	2690	21200	907	43600	4270	14400	2790	2630	607	1030	378
28	11100	2020	19000	466	42800	3620	15700	1670	4190	569	1690	381
29	16600	1250	17400	1210	---	3370	16300	1320	5910	552	1580	390
30	17900	693	16400	4450	---	2830	18000	1350	8270	532	1220	382
31	19400	---	15500	5440	---	2140	---	1250	---	540	1890	---
TOTAL	255360	257583	244340	156833	512550	412910	511557	155700	160313	140454	100595	25291
MEAN	8237	8586	7882	5059	18310	13320	17050	5023	5344	4531	3245	843
MAX	19400	18900	21200	16600	49800	41800	49200	18400	11600	10300	11000	3530
MIN	1760	693	1350	466	3150	2140	833	1250	645	532	915	378
CFSM	2.60	2.71	2.49	1.60	5.77	4.20	5.38	1.58	1.69	1.43	1.02	0.27
IN.	3.00	3.02	2.87	1.84	6.01	4.84	6.00	1.83	1.88	1.65	1.18	0.30

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2003, BY WATER YEAR (WY)

MEAN	1170	2075	5687	8361	9040	9428	9300	4453	1534	1138	961	841
MAX	8237	8586	26640	28310	24940	23560	34330	22880	7278	6454	7996	6790
(WY)	2003	2003	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1962 - 2003	
ANNUAL TOTAL	1677718		2933486			
ANNUAL MEAN	4596		8037		4476	
HIGHEST ANNUAL MEAN					12000	1983
LOWEST ANNUAL MEAN					942	1963
HIGHEST DAILY MEAN	21200	Dec 27	49800	Feb 24	126000	Apr 17 1979
LOWEST DAILY MEAN	158	Sep 15	378	Sep 27	45	Sep 18 1963
ANNUAL SEVEN-DAY MINIMUM	166	Sep 11	386	Sep 24	63	Sep 17 1963
MAXIMUM PEAK FLOW			50100	Feb 24	128000	Apr 17 1979
MAXIMUM PEAK STAGE			35.25	Feb 24	43.28	Apr 17 1979
ANNUAL RUNOFF (CFSM)	1.45		2.53		1.41	
ANNUAL RUNOFF (INCHES)	19.68		34.41		19.18	
10 PERCENT EXCEEDS	12200		17700		12900	
50 PERCENT EXCEEDS	2300		4730		1260	
90 PERCENT EXCEEDS	239		968		255	

02486000 PEARL RIVER AT JACKSON, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.66	27.13	7.09	25.51	15.55	33.93	6.58	26.69	6.38	18.35	6.17	8.67
2	26.16	26.71	7.18	25.40	15.04	33.22	8.47	25.91	6.09	18.16	5.93	7.28
3	24.92	25.82	6.91	24.71	12.12	31.98	9.42	24.32	7.35	19.22	8.01	11.09
4	22.66	24.29	9.66	23.52	11.69	30.13	8.40	20.80	9.53	18.67	8.46	9.24
5	20.00	23.97	14.54	20.63	10.47	28.87	8.38	15.82	7.13	18.48	10.22	8.89
6	17.20	24.79	14.50	18.33	13.29	29.51	11.17	12.18	5.23	19.56	11.97	6.95
7	16.40	25.14	12.42	17.63	18.28	28.86	31.70	10.36	8.43	20.30	17.80	6.02
8	18.58	24.24	11.69	16.70	19.64	28.45	35.12	9.99	12.33	18.55	20.97	4.88
9	19.50	23.56	11.52	15.27	20.11	27.46	35.01	9.21	10.82	18.27	18.93	4.61
10	20.05	22.61	10.86	14.77	20.62	26.09	34.83	8.86	9.03	19.05	17.12	4.59
11	20.05	21.95	10.40	13.94	19.21	23.95	34.52	8.69	7.32	18.50	17.38	4.54
12	18.48	19.96	11.21	12.33	17.99	21.29	33.50	9.95	13.99	17.19	15.67	4.49
13	16.77	17.64	13.63	10.64	17.74	19.16	32.05	9.15	21.13	15.32	14.14	5.34
14	15.19	15.70	13.67	9.25	16.31	19.79	30.46	8.10	19.15	12.47	10.86	5.47
15	13.39	17.05	15.96	9.13	16.14	19.18	28.62	8.52	19.06	10.24	9.05	4.59
16	11.55	19.76	15.70	8.60	21.10	17.47	26.65	7.71	21.58	8.78	8.41	4.51
17	9.92	19.42	14.21	7.71	23.29	15.73	24.33	10.02	21.57	6.83	7.06	4.48
18	8.76	17.67	12.63	7.27	24.40	14.07	21.31	15.66	21.23	7.25	6.37	4.43
19	7.80	16.16	12.51	6.34	24.41	16.98	16.97	15.54	20.94	8.05	6.42	4.45
20	8.71	15.06	12.95	6.38	23.37	19.90	12.07	16.61	20.33	8.20	7.62	4.43
21	11.01	13.54	14.79	7.25	27.34	18.43	8.03	17.71	18.58	7.56	10.21	4.61
22	10.91	12.45	14.66	8.04	33.26	16.38	6.03	15.23	15.76	5.63	9.50	6.12
23	12.10	11.07	14.57	8.00	34.84	14.65	5.73	12.92	12.49	7.61	7.46	5.23
24	10.79	9.65	22.31	8.01	35.20	13.03	8.05	10.01	10.17	7.88	6.31	4.47
25	9.41	9.76	26.37	7.78	35.08	11.99	20.09	7.09	8.10	7.16	7.46	4.43
26	13.20	10.57	27.86	6.24	34.57	11.89	23.36	12.41	5.66	6.27	6.61	4.40
27	14.24	9.62	27.98	5.92	34.26	12.32	23.98	9.79	9.46	5.12	6.20	4.39
28	20.89	8.32	26.98	4.68	34.11	11.27	24.91	7.62	12.21	5.01	7.66	4.40
29	25.52	6.70	26.06	6.33	---	10.84	25.28	6.87	14.73	4.96	7.43	4.43
30	26.37	5.33	25.39	12.60	---	9.87	26.44	6.93	17.95	4.89	6.65	4.41
31	27.20	---	24.72	14.07	---	8.56	---	6.72	---	4.92	8.06	---
MEAN	16.92	17.52	15.84	12.35	22.48	20.17	20.72	12.50	13.12	11.89	10.07	5.53
MAX	27.20	27.13	27.98	25.51	35.20	33.93	35.12	26.69	21.58	20.30	20.97	11.09
MIN	7.80	5.33	6.91	4.68	10.47	8.56	5.73	6.72	5.23	4.89	5.93	4.39

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 mi^2.

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 NGVD of 1929 (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.--Estimated daily discharges: December 13-16. Records good except for estimated daily discharges, which are poor. 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 ft^3/s, and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 29	2230	6,500	20.80	Feb. 23	1415	*19,000	*31.32
Dec. 25	1745	6,120	20.13	Apr. 10	0030	8,490	23.99

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	450	2100	118	2400	1220	1560	158	170	67	1250	110	331
2	277	624	115	1900	635	945	148	150	68	1810	118	289
3	306	489	110	1080	472	676	140	135	194	1530	222	228
4	645	1320	180	648	395	561	135	164	173	1760	1050	362
5	813	2680	1150	499	341	513	133	151	198	2740	1610	366
6	917	4340	1050	421	369	1420	134	125	150	1110	1090	286
7	487	3100	653	364	1410	2310	2140	112	166	455	403	197
8	499	2170	364	329	1650	2040	5000	103	178	342	1170	142
9	500	1040	252	313	1240	1240	6960	94	130	306	1730	108
10	720	505	236	320	1040	605	7520	88	90	249	1620	90
11	773	2010	361	291	999	458	2930	85	78	214	476	77
12	913	2210	410	262	788	378	664	84	116	273	228	68
13	714	922	e908	242	541	484	466	79	193	257	284	85
14	342	523	e1580	232	422	2120	366	77	323	355	302	106
15	241	393	e1290	225	672	1770	305	207	663	228	201	85
16	200	352	e712	215	3820	1140	262	154	626	154	154	77
17	178	320	398	207	4280	679	232	121	630	165	160	67
18	183	291	295	196	2440	686	211	141	1600	927	150	62
19	148	249	353	190	1400	1250	191	154	1810	388	175	58
20	133	242	846	187	643	1720	179	169	924	221	153	54
21	122	256	714	188	4130	1290	171	179	498	171	115	54
22	113	222	518	191	13700	633	155	237	276	157	93	89
23	109	185	336	184	18400	412	143	149	177	247	82	94
24	103	159	3330	175	13700	334	183	105	132	770	74	89
25	100	145	5810	171	7360	291	666	87	103	770	67	84
26	135	136	5200	168	1870	257	767	104	85	289	63	75
27	270	129	4160	168	1550	236	1140	135	188	165	60	65
28	2490	119	1650	166	1870	225	766	124	337	117	86	58
29	5920	110	597	312	---	212	296	123	937	93	179	52
30	6160	110	475	2500	---	187	206	94	1090	77	917	48
31	4680	---	764	2100	---	171	---	77	---	83	688	---
TOTAL	29641	27451	34935	16844	87357	26803	32767	3977	12200	17673	13830	3846
MEAN	956	915	1127	543	3120	865	1092	128	407	570	446	128
MAX	6160	4340	5810	2500	18400	2310	7520	237	1810	2740	1730	366
MIN	100	110	110	166	341	171	133	77	67	77	60	48
CFSM	2.25	2.15	2.65	1.28	7.35	2.04	2.57	0.30	0.96	1.34	1.05	0.30
IN.	2.60	2.40	3.06	1.48	7.65	2.35	2.87	0.35	1.07	1.55	1.21	0.34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2003, BY WATER YEAR (WY)

MEAN	114	302	529	951	1228	1219	1024	477	191	264	135	110
MAX	956	2214	3150	3321	3120	2758	3909	2695	1020	2853	508	648
(WY)	2003	1949	1933	1937	2003	1935	1938	1953	1997	1940	1938	2002
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	1963	1960	2000	1943	1954

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1929 - 2003	
ANNUAL TOTAL	215530		307324			
ANNUAL MEAN	590		842		542	
HIGHEST ANNUAL MEAN					1090	1949
LOWEST ANNUAL MEAN					124	2000
HIGHEST DAILY MEAN	6160	Oct 30	18400	Feb 23	20900	Jan 7 1950
LOWEST DAILY MEAN	29	Sep 19	48	Sep 30	12	Aug 31 2000
ANNUAL SEVEN-DAY MINIMUM	30	Sep 14	65	Sep 15	13	Aug 25 2000
MAXIMUM PEAK FLOW			19000	Feb 23	26400	Apr 7 1983
MAXIMUM PEAK STAGE			31.32	Feb 23	33.48	Apr 7 1983
ANNUAL RUNOFF (CFSM)	1.39		1.98		1.28	
ANNUAL RUNOFF (INCHES)	18.88		26.92		17.33	
10 PERCENT EXCEEDS	1760		1880		1440	
50 PERCENT EXCEEDS	183		286		123	
90 PERCENT EXCEEDS	41		89		33	

e Estimated

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 mi^2.

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. (discontinued)

GAGE.--Water-stage recorder. Datum of gage is 180.19 ft above NGVD of 1929.

REMARKS.--Estimated daily discharges: Oct. 8-14 and Mar. 30. Records fair 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 ft^3/s, and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 6	0745	27,700	25.42	Feb. 25	1915	*61,500	*34.56
Dec. 26	2045	25,800	24.47	Apr. 12	2315	49,500	32.65

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20500	24300	1590	22300	9340	53700	3130	16300	1360	7760	938	2750
2	19200	21800	1690	23200	8980	51700	1970	17100	1160	9240	1210	3130
3	18500	20300	2230	21500	8350	49400	2170	17700	1160	9920	1630	3020
4	18300	21700	2070	19400	6590	46500	3050	17200	1240	10200	2100	4670
5	16700	24800	6010	17400	5710	42300	2830	14800	2410	11700	4310	4960
6	13900	27500	9500	14600	5080	38400	2760	10200	2230	13200	5350	3960
7	10600	25600	8600	11700	10000	36100	8690	6110	1410	12400	5950	2910
8	e10000	22400	6710	10300	13200	33200	22000	4200	1700	11200	9230	2090
9	e10300	19600	5650	9540	12900	30300	30300	3430	3980	10500	13000	1480
10	e11300	16900	5340	8660	13600	27500	40000	3020	3620	9930	12900	1080
11	e12100	17300	5170	8050	14300	24700	47400	2690	2890	9630	11100	994
12	e11400	18700	4990	7370	12900	21500	49300	2460	2030	9860	9650	885
13	e10000	15200	6460	6260	11200	17700	49000	2940	4500	9900	8800	866
14	e8700	11500	9790	5080	10400	17800	46700	2950	9750	8120	8110	1290
15	6950	9270	9270	4080	9990	16100	42000	2960	11300	6420	5960	1600
16	5910	9640	9310	3740	18300	14000	36400	3600	11400	4320	4120	1180
17	4640	11000	8750	3550	20400	11900	30600	2700	11400	3110	3200	872
18	3580	11200	7650	2930	19900	10200	25200	4440	13500	2950	2780	791
19	2870	10100	6580	2660	18300	11200	19400	7700	13700	3140	1980	754
20	2290	8870	7580	2140	17300	13400	12400	7450	12800	3120	1810	728
21	2390	7940	7870	1930	26300	13400	6910	7780	11600	3060	2150	740
22	3750	6830	8110	2190	51100	12100	3950	8840	10400	2780	3330	824
23	3760	5930	7860	2740	56100	9890	2430	7800	8600	2710	3580	1060
24	4300	4990	14300	2880	58300	8110	1820	5760	6300	2670	2790	1540
25	3910	4050	23900	2870	61000	6670	3970	4090	3620	3440	1760	1070
26	3230	3730	25600	2840	59900	5750	10900	2410	2440	2960	1830	804
27	5110	4250	25700	2290	57100	5460	13400	3870	1450	2190	1960	747
28	12100	3800	25100	1830	55500	5520	14700	3770	2140	1480	1550	719
29	21600	3170	22900	1600	---	5100	15200	2300	4360	1020	2150	681
30	25500	2390	20900	6500	---	e4800	15600	1630	5580	887	2680	660
31	25700	---	19900	10500	---	3890	---	1340	---	898	3000	---
TOTAL	329090	394760	327080	242630	672040	648290	564180	199540	170030	190715	140908	48855
MEAN	10620	13160	10550	7827	24000	20910	18810	6437	5668	6152	4545	1628
MAX	25700	27500	25700	23200	61000	53700	49300	17700	13700	13200	13000	4960
MIN	2290	2390	1590	1600	5080	3890	1820	1340	1160	887	938	660
CFSM	2.33	2.89	2.32	1.72	5.27	4.59	4.13	1.41	1.24	1.35	1.00	0.36
IN.	2.69	3.22	2.67	1.98	5.49	5.29	4.61	1.63	1.39	1.56	1.15	0.40

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2003, BY WATER YEAR (WY)

MEAN	1743	3689	6064	10530	14470	12790	10090	5287	3213	2161	1717	1340
MAX	10620	13160	12200	32180	38420	25300	30040	31840	11380	7113	5288	6273
(WY)	2003	2003	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1985 - 2003	
ANNUAL TOTAL	2456916		3928118			
ANNUAL MEAN	6731		10760		6108	
HIGHEST ANNUAL MEAN					10760	2003
LOWEST ANNUAL MEAN					1991	2000
HIGHEST DAILY MEAN	27500	Nov 6	61000	Feb 25	64500	May 5 1991
LOWEST DAILY MEAN	349	Sep 13	660	Sep 30	319	Sep 27 1988
ANNUAL SEVEN-DAY MINIMUM	363	Sep 12	824	Sep 17	329	Sep 24 1988
MAXIMUM PEAK FLOW			61500	Feb 25	65000	May 5 1991
MAXIMUM PEAK STAGE			34.56	Feb 25	35.66	May 5 1991
INSTANTANEOUS LOW FLOW			659	Sep 30	267	Oct 25 1943
ANNUAL RUNOFF (CFSM)	1.48		2.36		1.34	
ANNUAL RUNOFF (INCHES)	20.06		32.07		18.21	
10 PERCENT EXCEEDS	18100		24700		17400	
50 PERCENT EXCEEDS	3580		6910		2150	
90 PERCENT EXCEEDS	503		1600		538	

e Estimated

02488000 PEARL RIVER AT ROCKPORT, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.70	23.69	6.95	22.67	14.59	33.06	10.07	20.32	7.80	14.78	6.37	8.67
2	20.94	22.38	7.10	23.11	14.32	32.65	8.60	20.82	7.47	15.95	6.82	9.12
3	20.52	21.58	7.86	22.24	13.83	32.18	8.87	21.17	7.48	16.47	7.44	9.00
4	20.45	22.33	7.64	21.05	12.38	31.56	9.97	20.88	7.62	16.67	8.05	10.74
5	19.52	23.97	11.77	19.89	11.60	30.58	9.72	19.40	9.32	17.73	10.57	11.04
6	17.90	25.31	14.71	18.22	11.01	29.56	9.63	16.29	9.10	18.75	11.56	10.03
7	15.95	24.36	14.02	16.30	15.00	28.90	14.89	13.04	7.93	18.24	12.07	8.86
8	---	22.68	12.48	15.30	17.28	28.01	23.54	11.23	8.33	17.39	14.65	7.82
9	---	21.16	11.55	14.74	17.10	26.97	27.49	10.41	11.16	16.97	17.23	6.93
10	---	19.62	11.26	14.07	17.54	25.71	30.49	9.94	10.80	16.53	17.17	6.28
11	---	19.83	11.10	13.59	17.99	24.35	32.21	9.55	9.96	16.25	15.95	6.13
12	---	20.68	10.93	13.04	17.07	22.71	32.60	9.26	8.87	16.35	14.97	5.92
13	---	18.56	12.22	12.09	15.95	20.58	32.54	9.85	11.49	16.32	14.33	5.89
14	---	16.13	14.92	11.01	15.35	20.69	32.07	9.86	16.19	14.88	13.79	6.63
15	13.34	14.53	14.54	10.01	15.06	19.71	31.03	9.87	17.31	13.39	11.96	7.12
16	12.38	14.81	14.57	9.65	20.42	18.43	29.51	10.60	17.42	11.36	10.20	6.45
17	11.17	15.79	14.14	9.44	21.64	17.08	27.63	9.56	17.43	9.98	9.20	5.90
18	10.08	15.91	13.26	8.73	21.32	15.88	25.20	11.36	18.81	9.72	8.70	5.74
19	9.26	15.18	12.37	8.41	20.41	16.61	22.16	14.41	18.98	9.89	7.67	5.67
20	8.54	14.23	13.21	7.74	19.83	18.16	17.83	14.22	18.36	9.80	7.43	5.62
21	8.65	13.50	13.45	7.45	24.32	18.23	13.72	14.49	17.56	9.66	7.90	5.64
22	10.26	12.58	13.64	7.80	32.43	17.35	10.95	15.33	16.73	9.26	9.34	5.81
23	10.27	11.80	13.44	8.51	33.50	15.83	9.21	14.52	15.39	9.10	9.63	6.24
24	10.84	10.92	17.78	8.67	33.95	14.51	8.40	12.78	13.47	8.99	8.70	7.04
25	10.43	9.98	23.50	8.67	34.46	13.35	10.74	11.15	10.89	9.83	7.36	6.25
26	9.69	9.64	24.37	8.63	34.26	12.57	16.85	9.24	9.52	9.27	7.46	5.77
27	11.48	10.19	24.40	7.93	33.72	12.34	18.50	10.92	8.12	8.30	7.65	5.65
28	16.58	9.71	24.11	7.31	33.40	12.43	19.38	10.84	9.08	7.29	7.04	5.60
29	22.27	9.01	22.98	6.97	---	12.07	19.68	9.12	11.70	6.53	7.87	5.52
30	24.34	8.06	21.91	12.08	---	---	19.93	8.21	12.89	6.28	8.58	5.47
31	24.42	---	21.33	15.44	---	10.91	---	7.75	---	6.30	8.97	---
MEAN	---	16.60	14.76	12.61	21.06	---	19.45	12.79	12.24	12.52	10.21	6.95
MAX	---	25.31	24.40	23.11	34.46	---	32.60	21.17	18.98	18.75	17.23	11.04
MIN	---	8.06	6.95	6.97	11.01	---	8.40	7.75	7.47	6.28	6.37	5.47

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 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 mi^2.

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 NGVD of 1929 (levels by U. S. Army Corps of Engineers) Prior to Dec. 12, 1938, nonrecording gage, Dec. 12, 1938, to Jan. 10. 1949, water-stage recorder, and Jan. 11, 1949 to Oct. 16, 1952, nonrecording gage, all at same site and datum.

REMARKS.--Estimated daily discharges: Mar. 4-7, 18, Apr. 14-17 21-22 and Aug. 8-14. Records fair 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 ft^3/s, from rating curve extended above 70,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 22,000 ft^3/s, and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 7	0000	30,000	22.46	Feb. 23	0200	*66,900	*29.10
Dec. 28	1000	26,000	20.91	Apr. 14	0745	46,600	26.72

DISCHARGE, CUBIC FEET PERSECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22700	26200	2140	22500	9780	53200	4470	18000	1770	12100	1090	2980
2	20800	24700	1700	23800	8930	51200	3360	18800	1660	11900	1100	3090
3	20000	22600	2120	23600	8430	49100	2750	19600	1690	11900	1730	3470
4	21800	23000	2370	21800	7050	e46600	3620	19700	1600	11900	2160	4230
5	20000	26000	4900	19500	5720	e44200	3850	18500	2180	15100	3390	5330
6	18100	29500	8920	17000	5700	e41700	3560	14500	2920	17400	4800	4310
7	13900	29300	9320	13800	9720	e39400	6700	8700	2390	15400	5190	3430
8	11100	27000	7560	11200	13100	37300	18600	5440	1720	12500	e5810	2520
9	10500	23700	6040	10100	13500	35100	25500	4130	3510	11700	e7720	1940
10	10800	20300	5510	9040	14400	32500	30800	3650	4340	10800	e11500	1430
11	11600	18100	5370	8230	15200	30000	37400	3160	3700	10400	e13000	1200
12	12100	18700	5140	7590	14200	27100	42600	2820	2890	10700	e11400	1110
13	11600	18200	6050	6590	12100	23500	45600	2930	3160	10700	e8770	1030
14	10200	14000	9490	5460	10600	22400	e46500	3260	9610	9310	e8400	1220
15	8380	10300	9910	4410	10200	20900	e45300	3180	12700	7710	6740	1700
16	6860	9100	9440	3770	18100	17900	e43000	3860	13900	5430	4690	1580
17	5540	10200	9140	3630	21800	15300	e39200	3360	13000	3800	3450	1140
18	4380	11000	8220	3160	21600	e13400	34600	3690	14100	3120	3010	945
19	3560	10500	6980	2780	20200	14400	29200	7280	15800	3310	2330	880
20	2970	9260	7650	2450	18700	16200	21500	8060	15100	3280	1910	843
21	2560	8160	8150	2090	26200	16100	e11500	8010	13400	3160	1960	828
22	3460	7120	8010	2040	54300	15200	e6000	8900	12000	2860	2700	962
23	3970	6060	8040	2390	62800	12900	4090	9010	9830	4980	3610	1040
24	4250	5190	11900	2680	56300	10500	2870	7100	7220	3670	3260	1480
25	4470	4300	20400	2690	55400	8740	2830	5280	4960	3230	2360	1450
26	4230	3650	24100	2680	57300	7320	9130	3480	3520	3190	1820	999
27	4870	3930	25500	2470	57800	6730	13500	3380	2410	2390	2110	870
28	9590	3890	25900	1950	55500	6670	15800	4620	1980	1780	1960	810
29	20100	3400	25200	1760	---	6510	16900	3380	4160	1270	1900	738
30	26500	2770	23300	4190	---	5690	17400	2370	5980	1060	2730	679
31	26800	---	21800	9950	---	5090	---	1890	---	999	2980	---
TOTAL	357690	430130	330270	255300	684630	732850	588130	230040	193200	227049	135580	54234
MEAN	11540	14340	10650	8235	24450	23640	19600	7421	6440	7324	4374	1808
MAX	26800	29500	25900	23800	62800	53200	46500	19700	15800	17400	13000	5330
MIN	2560	2770	1700	1760	5700	5090	2750	1890	1600	999	1090	679
CFSM	2.31	2.87	2.13	1.65	4.90	4.73	3.93	1.49	1.29	1.47	0.88	0.36
IN.	2.66	3.20	2.46	1.90	5.10	5.46	4.38	1.71	1.44	1.69	1.01	0.40

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2003, BY WATER YEAR (WY)

MEAN	2008	3201	8334	12500	14390	14810	14660	7817	3040	2127	1958	1558
MAX	11540	14340	37130	36890	43290	29990	51710	40240	13140	7516	10920	7904
(WY)	2003	2003	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1962 - 2003	
ANNUAL TOTAL	2633974		4219103			
ANNUAL MEAN	7216		11560		7163	
HIGHEST ANNUAL MEAN					17210	1983
LOWEST ANNUAL MEAN					2001	1963
HIGHEST DAILY MEAN	29500	Nov 6	62800	Feb 23	121000	Apr 20 1979
LOWEST DAILY MEAN	546	Sep 14	679	Sep 30	269	Oct 24 1963
ANNUAL SEVEN-DAY MINIMUM	558	Sep 13	948	Sep 17	274	Oct 21 1963
MAXIMUM PEAK FLOW			66900	Feb 23	122000	Apr 20 1979
MAXIMUM PEAK STAGE			29.10	Feb 23	34.08	Apr 20 1979
INSTANTANEOUS LOW FLOW			656	Sep 30	269	Oct 24 1963
ANNUAL RUNOFF (CFSM)	1.45		2.32		1.43	
ANNUAL RUNOFF (INCHES)	19.62		31.43		19.49	
10 PERCENT EXCEEDS	19900		26100		20500	
50 PERCENT EXCEEDS	3890		7590		2550	
90 PERCENT EXCEEDS	692		1860		669	

e Estimated

02488500 PEARL RIVER NEAR MONTICELLO, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.58	21.01	6.75	19.51	13.15	27.57	9.29	17.50	6.88	14.92	5.55	7.61
2	18.77	20.42	6.18	20.03	12.61	27.32	8.24	17.90	6.73	14.85	5.55	7.72
3	18.42	19.54	6.71	19.94	12.28	27.05	7.61	18.26	6.78	14.89	6.46	8.11
4	19.22	19.71	7.01	19.21	11.33	---	8.50	18.31	6.65	14.84	7.03	8.80
5	18.42	20.90	9.42	18.21	10.33	---	8.72	17.76	7.38	16.30	8.34	9.77
6	17.53	22.25	12.42	17.00	10.30	---	8.45	15.97	8.26	17.28	9.66	8.89
7	15.46	22.21	12.67	15.23	13.09	---	10.89	12.81	7.65	16.42	9.97	8.07
8	13.96	21.32	11.50	13.77	15.06	24.58	17.73	10.50	6.82	15.18	---	7.09
9	13.57	20.01	10.38	13.12	15.25	24.00	20.73	9.40	8.82	14.75	---	6.38
10	13.73	18.55	9.96	12.50	15.77	23.29	22.72	8.96	9.65	14.23	---	5.68
11	14.20	17.55	9.84	11.98	16.16	22.43	24.62	8.49	9.05	13.96	---	5.33
12	14.48	17.84	9.65	11.55	15.65	21.36	25.91	8.15	8.22	14.15	---	5.19
13	14.25	17.60	10.34	10.84	14.52	19.93	26.56	8.27	8.43	14.15	---	5.04
14	13.38	15.53	12.72	9.98	13.62	19.45	---	8.62	13.46	13.26	---	5.36
15	12.24	13.46	12.98	9.11	13.37	18.80	---	8.54	15.28	12.19	11.05	6.06
16	11.19	12.69	12.68	8.53	17.54	17.47	---	9.20	15.82	10.47	9.41	5.90
17	10.19	13.39	12.49	8.40	19.18	16.22	---	8.71	15.38	9.04	8.26	5.22
18	9.21	13.86	11.89	7.94	19.10	---	23.85	9.02	15.86	8.36	7.79	4.89
19	8.44	13.56	11.03	7.54	18.51	15.75	22.13	11.95	16.63	8.54	7.01	4.78
20	7.84	12.76	11.50	7.18	17.83	16.64	19.06	12.51	16.34	8.49	6.49	4.70
21	7.40	12.04	11.85	6.75	20.80	16.58	---	12.47	15.59	8.36	6.53	4.68
22	8.34	11.31	11.75	6.70	27.57	16.14	---	13.06	14.88	8.02	7.39	4.92
23	8.84	10.52	11.77	7.14	28.67	14.95	9.08	13.13	13.64	10.0	8.33	5.05
24	9.09	9.82	14.10	7.48	27.93	13.59	7.90	11.83	11.92	8.80	7.97	5.75
25	9.29	9.04	18.57	7.49	27.83	12.49	7.86	10.44	10.18	8.37	6.96	5.70
26	9.08	8.43	20.16	7.50	28.06	11.52	12.85	8.83	8.87	8.32	6.27	4.99
27	9.62	8.69	20.74	7.26	28.12	11.11	15.45	8.71	7.68	7.41	6.64	4.76
28	12.98	8.65	20.87	6.64	27.84	11.06	16.54	9.89	7.14	6.64	6.43	4.64
29	18.38	8.16	20.60	6.40	---	10.94	17.03	8.73	9.45	5.88	6.33	4.50
30	21.13	7.50	19.85	8.81	---	10.31	17.24	7.64	11.00	5.52	7.33	4.38
31	21.23	---	19.20	13.24	---	9.83	---	7.04	---	5.41	7.61	---
MEAN	13.53	14.94	12.83	11.19	18.27	---	---	11.37	10.68	11.26	---	6.00
MAX	21.23	22.25	20.87	20.03	28.67	---	---	18.31	16.63	17.28	---	9.77
MIN	7.40	7.50	6.18	6.40	10.30	---	---	7.04	6.65	5.41	---	4.38

02488700 WHITESAND CREEK NEAR OAKVALE, MS

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.

DRAINAGE AREA.--130 mi^2.

PERIOD OF RECORD.--September 1965 to current year. Daily mean gage heights published since October 1985.

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

GAGE.--Water-stage recorder. Datum of gage is 182.20 ft above NGVD of 1929 (Mississippi Department of Transportation bench mark).

REMARKS.--Estimated daily discharges: May 2-12. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 28, 29, 1961, reached a stage of 17.11 ft from floodmark, discharge, 15,900 ft^3/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 ft^3/s, and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Feb. 22	1700	*9,290	*14.24	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	124	162	189	424	115	238	127	119	106	835	113	107
2	119	144	179	238	102	211	125	e115	107	523	113	111
3	130	151	177	159	98	188	124	e112	138	229	117	131
4	266	342	233	134	99	182	121	e140	135	173	217	108
5	200	977	529	125	94	176	119	e110	117	183	131	105
6	146	1180	240	118	265	179	124	e125	131	189	112	103
7	144	387	152	112	756	195	131	e115	173	163	110	104
8	146	219	131	110	280	164	215	e110	132	147	108	103
9	137	177	126	111	175	161	232	e105	117	149	107	103
10	178	156	215	119	309	166	165	e99	111	134	107	103
11	291	265	278	114	226	158	145	e98	110	146	106	102
12	194	250	175	103	162	155	136	e99	136	157	110	102
13	153	163	240	100	138	172	131	100	178	142	130	105
14	139	136	226	100	128	257	128	100	401	141	154	114
15	132	137	161	99	193	205	126	119	545	127	114	107
16	128	174	142	99	926	176	126	123	258	119	107	103
17	126	162	130	98	520	174	136	118	188	113	106	98
18	125	137	121	112	216	175	131	220	191	110	105	92
19	125	132	118	115	177	233	127	154	158	111	104	91
20	124	142	138	113	162	227	127	131	164	112	104	91
21	124	163	126	110	1950	167	128	215	139	109	141	96
22	123	143	113	104	8360	152	128	145	436	108	147	164
23	122	136	113	102	2770	145	128	126	196	212	113	144
24	122	139	367	120	655	140	135	118	130	192	106	110
25	131	143	321	119	393	134	174	114	113	125	103	99
26	205	145	173	120	301	132	164	117	104	115	103	95
27	224	144	140	116	407	132	137	130	108	115	102	92
28	303	145	128	110	310	130	120	123	122	114	103	91
29	454	162	121	111	---	127	117	113	115	114	105	90
30	420	184	114	156	---	124	120	109	137	113	110	90
31	220	---	190	149	---	129	---	107	---	113	106	---
TOTAL	5575	7097	5806	4020	20287	5304	4147	3829	5196	5433	3614	3154
MEAN	180	237	187	130	725	171	138	124	173	175	117	105
MAX	454	1180	529	424	8360	257	232	220	545	835	217	164
MIN	119	132	113	98	94	124	117	98	104	108	102	90
CFSM	1.38	1.82	1.44	1.00	5.57	1.32	1.06	0.95	1.33	1.35	0.90	0.81
IN.	1.60	2.03	1.66	1.15	5.81	1.52	1.19	1.10	1.49	1.55	1.03	0.90

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2003, BY WATER YEAR (WY)

MEAN	125	145	197	287	312	341	313	219	145	130	123	127
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1965 - 2003	
ANNUAL TOTAL	62856		73462			
ANNUAL MEAN	172		201		205	
HIGHEST ANNUAL MEAN					339	1980
LOWEST ANNUAL MEAN					101	2000
HIGHEST DAILY MEAN	1650	Apr 9	8360	Feb 22	16400	Apr 13 1974
LOWEST DAILY MEAN	81	Sep 13	90	Sep 29	58	Sep 6 2000
ANNUAL SEVEN-DAY MINIMUM	82	Sep 13	95	Sep 24	60	Oct 24 2000
MAXIMUM PEAK FLOW			9290	Feb 22	25400	Apr 13 1974
MAXIMUM PEAK STAGE			14.24	Feb 22	18.76	Apr 13 1974
INSTANTANEOUS LOW FLOW			85	Sep 29	57	Aug 30 2000
ANNUAL RUNOFF (CFSM)	1.32		1.55		1.57	
ANNUAL RUNOFF (INCHES)	17.99		21.02		21.40	
10 PERCENT EXCEEDS	290		253		303	
50 PERCENT EXCEEDS	136		131		128	
90 PERCENT EXCEEDS	88		103		87	

e Estimated

02488700 WHITESAND CREEK NEAR OAK VALE, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.91	4.08	4.24	4.94	3.92	4.58	4.19	4.12	4.01	5.77	3.66	3.65
2	3.89	4.01	4.19	4.41	3.86	4.50	4.18	---	4.01	5.04	3.66	3.67
3	3.94	4.03	4.18	4.12	3.83	4.42	4.17	---	4.15	4.19	3.68	3.78
4	4.47	4.73	4.36	4.01	3.84	4.40	4.16	---	4.14	3.96	4.13	3.66
5	4.23	6.13	5.16	3.97	3.81	4.38	4.16	---	4.06	4.00	3.76	3.64
6	4.01	6.63	4.38	3.94	4.35	4.39	4.18	---	4.12	4.03	3.66	3.62
7	4.01	4.95	4.06	3.90	5.66	4.44	4.20	---	4.29	3.91	3.65	3.63
8	4.01	4.51	3.96	3.90	4.53	4.33	4.48	---	4.13	3.84	3.64	3.62
9	3.97	4.36	3.94	3.90	4.19	4.32	4.53	---	4.07	3.85	3.63	3.62
10	4.14	4.28	4.28	3.94	4.63	4.34	4.31	---	4.04	3.77	3.63	3.62
11	4.54	4.63	4.51	3.92	4.37	4.31	4.23	---	4.02	3.83	3.63	3.62
12	4.21	4.58	4.15	3.86	4.13	4.30	4.19	---	4.06	3.88	3.65	3.62
13	4.05	4.28	4.39	3.85	4.03	4.36	4.16	4.03	4.14	3.81	3.75	3.63
14	3.98	4.17	4.34	3.85	3.98	4.64	4.15	4.03	4.76	3.81	3.88	3.69
15	3.95	4.16	4.10	3.84	4.19	4.48	4.14	4.11	5.11	3.74	3.68	3.64
16	3.93	4.30	4.01	3.84	5.99	4.38	4.14	4.12	4.29	3.69	3.64	3.63
17	3.92	4.25	3.96	3.83	5.11	4.37	4.19	4.10	4.03	3.66	3.64	3.59
18	3.91	4.14	3.91	3.90	4.34	4.38	4.17	4.47	4.03	3.64	3.63	3.56
19	3.92	4.11	3.90	3.92	4.19	4.56	4.15	4.23	3.89	3.65	3.63	3.55
20	3.91	4.14	3.99	3.91	4.13	4.54	4.15	4.13	3.92	3.66	3.63	3.55
21	3.91	4.22	3.94	3.89	7.08	4.35	4.15	4.43	3.80	3.64	3.80	3.58
22	3.90	4.13	3.88	3.87	13.56	4.29	4.15	4.19	4.82	3.63	3.85	3.95
23	3.90	4.09	3.88	3.85	8.37	4.26	4.15	4.10	4.05	4.12	3.68	3.87
24	3.90	4.10	4.74	3.95	5.50	4.24	4.19	4.07	3.75	4.03	3.64	3.70
25	3.94	4.11	4.63	3.94	4.98	4.22	4.34	4.05	3.66	3.72	3.63	3.64
26	4.25	4.11	4.15	3.95	4.76	4.21	4.30	4.06	3.61	3.67	3.62	3.61
27	4.32	4.09	4.01	3.93	5.01	4.21	4.19	4.12	3.63	3.67	3.62	3.59
28	4.58	4.09	3.96	3.89	4.78	4.20	4.12	4.09	3.71	3.66	3.62	3.59
29	4.95	4.15	3.93	3.90	---	4.19	4.11	4.05	3.67	3.66	3.63	3.58
30	4.89	4.23	3.91	4.11	---	4.17	4.12	4.03	3.77	3.66	3.66	3.58
31	4.31	---	4.21	4.08	---	4.20	---	4.02	---	3.66	3.64	---
MEAN	4.12	4.39	4.17	3.97	5.04	4.35	4.20	---	4.06	3.90	3.69	3.64
MAX	4.95	6.63	5.16	4.94	13.56	4.64	4.53	---	5.11	5.77	4.13	3.95
MIN	3.89	4.01	3.88	3.83	3.81	4.17	4.11	---	3.61	3.63	3.62	3.55

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 mi^2.

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 (gage heights only). Gage-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 NGVD of 1929 (levels by U. S. Army Corps of Engineers). Prior to August 1928, nonrecording gages at various sites and datums in the vicinity maintained by National Weather Service. August 1928 to May 26, 1934, nonrecording gage at site 1.0 mi downstream at datum 0.37 ft higher. May 26, 1934 to September 1954, water-stage recorder at present site and datum.

REMARKS.--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 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22400	24900	4400	22500	11200	51900	5450	15900	3110	13000	1890	3520
2	21500	24800	3680	22400	11000	50400	4800	16500	2940	15300	2000	3490
3	20500	24000	3170	22800	10400	48600	3820	17200	2970	13500	1960	3610
4	20500	23100	3620	22700	9920	47200	3370	17900	2950	13000	3100	3960
5	20900	24100	4910	21500	8560	45600	4050	18000	2780	13200	3400	4770
6	19900	27400	7920	19600	7750	44100	4200	17000	3370	16100	4370	5520
7	18100	28500	10600	17300	10400	42300	4160	13900	4250	16700	5760	4730
8	15000	28400	10600	14500	12800	39700	8920	9630	3710	15100	6560	3910
9	12800	27000	8980	12500	14200	37400	17300	6850	3000	13600	8590	3100
10	12200	24300	7940	11500	14800	35300	22500	5620	4660	12700	11000	2550
11	12600	21300	7770	10700	15600	33200	26700	5050	5350	11900	12000	2080
12	13100	19300	7320	9930	15800	30800	31000	4570	4850	11800	11300	1830
13	13300	19100	7250	9270	14900	28400	35600	4210	4220	11900	10100	1780
14	12800	18300	8740	8270	13300	25600	39300	4350	6280	11600	9340	1710
15	11600	15100	11100	7160	12400	23100	41400	5010	12400	10400	8710	1820
16	10100	12200	11200	6110	14700	20800	42000	4720	13500	8920	7200	2200
17	8660	11400	10800	5480	19200	17700	40900	5180	13600	6830	5400	2150
18	7300	12100	10500	5250	21000	14900	38600	4850	13200	5310	4220	1780
19	6090	12600	9650	4740	21000	13200	35200	5630	13900	4720	3690	1560
20	5210	12100	8800	4350	20000	14300	30800	8400	14800	4790	3010	1480
21	4530	11100	9430	3990	20700	15100	23200	9230	14500	4620	2570	1450
22	4120	10100	9630	3600	31500	14900	12900	9350	14200	4390	2640	1670
23	5030	8990	9650	3480	44900	13900	7890	9900	12800	4850	3310	1900
24	5490	7940	10900	3810	53800	12100	5650	9700	10800	6800	4050	1760
25	5930	7010	14800	4090	54000	10200	4690	8110	8530	5100	3710	2050
26	7050	6080	19300	4120	52300	8760	5010	6510	6430	4520	2880	2120
27	6760	5440	22000	4110	52800	7620	10100	4940	5150	4250	2360	1730
28	8360	5640	23500	3850	52900	7120	13000	5080	4200	3460	2540	1530
29	13500	5470	24100	3380	---	7000	14500	5740	3690	2830	2500	1430
30	21800	5000	23900	3360	---	6610	15500	4600	6210	2310	2590	1350
31	24300	---	23200	6780	---	5970	---	3630	---	2000	3240	---
TOTAL	391430	482770	349360	303130	641830	773780	552510	267260	222350	275500	155990	74540
MEAN	12630	16090	11270	9778	22920	24960	18420	8621	7412	8887	5032	2485
MAX	24300	28500	24100	22800	54000	51900	42000	18000	14800	16700	12000	5520
MIN	4120	5000	3170	3360	7750	5970	3370	3630	2780	2000	1890	1350
MED	12600	13800	9650	6780	15200	20800	13800	6510	5250	8920	3690	1980
CFSM	2.21	2.81	1.97	1.71	4.01	4.36	3.22	1.51	1.30	1.55	0.88	0.43
IN.	2.55	3.14	2.27	1.97	4.17	5.03	3.59	1.74	1.45	1.79	1.01	0.48

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2003, BY WATER YEAR (WY)

MEAN	4991	5577	7083	8280	11950	17520	13720	3486	3625	3992	4338	4005
MAX	12630	16090	12990	11710	22920	31090	18420	8621	7412	8887	7702	8679
(WY)	2003	2003	2002	2001	2003	2001	2003	2003	2003	2003	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

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2000 - 2003	
ANNUAL TOTAL	2998012		4490450			
ANNUAL MEAN	8214		12300		7354	
HIGHEST ANNUAL MEAN					12300	2003
LOWEST ANNUAL MEAN					2700	2000
HIGHEST DAILY MEAN	28500	Nov 7	54000	Feb 25	64400	Mar 5 2001
LOWEST DAILY MEAN	818	Sep 20	1350	Sep 30	799	Oct 29 2000
ANNUAL SEVEN-DAY MINIMUM	829	Sep 14	1660	Sep 18	805	Oct 24 2000
MAXIMUM PEAK FLOW			55800	Feb 25	72600	Apr 9 1938
MAXIMUM PEAK STAGE			23.12	Feb 25	26.40	Apr 9 1938
INSTANTANEOUS LOW FLOW			1320	Sep 30	705	Oct 21 1952
ANNUAL RUNOFF (CFSM)	1.44		2.15		1.29	
ANNUAL RUNOFF (INCHES)	19.50		29.20		17.47	
10 PERCENT EXCEEDS	19400		24800		18800	
50 PERCENT EXCEEDS	5640		9230		3360	
90 PERCENT EXCEEDS	1240		2950		1040	

02489000 PEARL RIVER NEAR COLUMBIA, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.26	14.25	3.38	13.30	7.74	22.45	5.13	10.76	2.90	9.23	1.92	3.18
2	12.91	14.20	2.86	13.24	7.64	22.17	4.69	11.00	2.77	10.49	2.01	3.15
3	12.49	13.86	2.48	13.40	7.28	21.78	3.99	11.33	2.79	9.59	1.98	3.23
4	12.50	13.53	2.82	13.38	6.97	21.48	3.65	11.62	2.78	9.27	2.88	3.48
5	12.66	13.92	3.74	12.91	6.13	21.12	4.15	11.66	2.65	9.41	3.12	4.04
6	12.25	15.16	5.72	12.10	5.62	20.73	4.26	11.24	3.09	10.82	3.82	4.56
7	11.41	15.58	7.39	11.07	7.28	20.23	4.23	9.76	3.74	11.10	4.80	4.00
8	9.91	15.56	7.37	9.67	8.70	19.49	7.33	7.26	3.35	10.37	5.33	3.41
9	8.69	15.04	6.39	8.54	9.52	18.75	11.63	5.51	2.82	9.62	6.62	2.79
10	8.37	14.02	5.74	7.96	9.79	18.03	13.44	4.70	4.03	9.09	8.11	2.35
11	8.59	12.80	5.63	7.42	10.20	17.29	14.90	4.31	4.52	8.65	8.68	1.95
12	8.88	11.97	5.35	6.98	10.31	16.43	16.49	3.97	4.17	8.61	8.26	1.73
13	8.96	11.88	5.30	6.57	9.86	15.54	18.14	3.72	3.72	8.62	7.58	1.68
14	8.71	11.52	6.24	5.95	8.99	14.50	19.35	3.82	5.11	8.46	7.08	1.61
15	7.98	9.97	7.69	5.24	8.45	13.61	19.98	4.29	8.95	7.75	6.69	1.69
16	7.07	8.36	7.73	4.56	9.76	12.87	20.14	4.08	9.58	6.82	5.74	2.00
17	6.19	7.84	7.53	4.13	11.92	11.78	19.84	4.40	9.65	5.50	4.55	1.96
18	5.33	8.29	7.31	3.98	12.69	10.68	19.14	4.17	9.40	4.49	3.73	1.63
19	4.55	8.57	6.80	3.62	12.70	9.96	18.01	4.70	9.81	4.08	3.34	1.43
20	3.95	8.29	6.28	3.35	12.28	10.43	16.44	6.50	10.25	4.13	2.83	1.35
21	3.48	7.69	6.67	3.09	12.56	10.79	13.60	7.01	10.11	4.01	2.48	1.31
22	3.18	7.07	6.79	2.80	16.67	10.69	9.14	7.09	9.98	3.85	2.54	1.50
23	3.83	6.39	6.80	2.72	20.85	10.27	6.18	7.43	9.18	4.17	3.05	1.69
24	4.14	5.74	7.59	2.96	22.77	9.28	4.72	7.30	7.99	5.48	3.60	1.56
25	4.44	5.15	9.75	3.16	22.81	8.18	4.06	6.32	6.58	4.34	3.35	1.79
26	5.17	4.54	11.96	3.18	22.52	7.27	4.28	5.29	5.24	3.94	2.72	1.84
27	4.99	4.11	13.07	3.18	22.61	6.56	7.52	4.23	4.38	3.75	2.31	1.50
28	6.00	4.24	13.67	2.99	22.62	6.24	9.27	4.33	3.71	3.17	2.45	1.31
29	9.01	4.13	13.93	2.64	---	6.16	10.12	4.78	3.34	2.68	2.42	1.22
30	12.99	3.80	13.86	2.62	---	5.91	10.55	3.99	5.08	2.27	2.49	1.14
31	14.01	---	13.57	4.96	---	5.49	---	3.30	---	2.01	2.98	---
MEAN	8.25	9.92	7.46	6.51	12.40	13.75	10.81	6.45	5.72	6.64	4.18	2.20
MAX	14.01	15.58	13.93	13.40	22.81	22.45	20.14	11.66	10.25	11.10	8.68	4.56
MIN	3.18	3.80	2.48	2.62	5.62	5.49	3.65	3.30	2.65	2.01	1.92	1.14
MED	8.59	9.27	6.80	4.96	10.03	12.87	9.70	5.29	4.45	6.82	3.34	1.76

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 mi^2.

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

REVISED RECORDS.--WRD LA-1981-2: Drainage area.

GAGE.--Water-stage recorder. Satellite telemetry at station. 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.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 11, 1938, reached a stage of 21.0 ft.

REMARKS.--Records not available at this time. Records may be found in the "Water Resources Data, Louisiana, Water Year 2003" (WDR LA-03-1).

02490500 BOGUE CHITTO NEAR TYLERTOWN, MS

LOCATION.--Lat 31°10'37", long 90°16'48", in NW1/4 SE1/4 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 mi^2.

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 NGVD of 1929.

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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 4	0800	8,330	15.73	Nov. 6	0030	6,870	14.75
Oct. 30	0530	9,560	16.62	Feb. 23	0300	*38,800	*30.34

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	752	3710	366	1360	729	1330	410	313	265	1740	308	294
2	575	1330	366	1510	516	912	405	311	268	1480	306	296
3	2450	781	361	996	450	756	399	313	372	1370	321	287
4	8030	1890	417	719	417	686	398	306	354	699	339	281
5	4620	4710	924	598	390	649	394	305	312	594	327	337
6	4070	6350	1300	535	741	626	394	299	289	690	300	295
7	2100	4750	892	486	3390	643	403	296	364	573	293	271
8	1100	3410	607	454	2560	635	477	295	356	497	286	263
9	829	1400	506	436	1980	573	484	291	332	438	282	260
10	648	897	491	428	1260	523	437	286	291	412	278	258
11	633	1010	487	416	1430	488	409	284	275	404	273	260
12	1250	1010	501	404	1120	464	394	282	273	440	271	258
13	859	723	601	391	773	489	384	289	308	404	365	263
14	528	600	977	383	639	816	375	314	755	375	330	286
15	436	546	937	380	705	1560	366	328	790	354	305	324
16	386	517	656	370	3160	1450	360	317	888	342	286	292
17	355	493	540	364	2800	791	354	336	942	330	276	266
18	323	463	484	355	3000	702	350	340	760	326	271	255
19	296	445	458	353	1810	1380	345	401	458	321	270	250
20	285	449	548	350	864	1860	342	404	439	336	272	247
21	279	471	705	352	4200	1390	352	328	441	344	272	255
22	280	434	580	352	23500	791	338	304	487	323	287	297
23	274	410	504	344	29800	636	331	290	471	617	269	289
24	264	396	1510	334	11100	569	343	286	398	783	262	269
25	322	388	2190	331	3150	523	365	279	339	479	259	261
26	1270	380	1670	335	1400	497	341	298	314	379	258	255
27	1520	373	1000	336	1300	481	333	285	304	344	254	255
28	2610	365	708	335	1660	468	326	374	315	327	253	251
29	6580	359	596	336	---	447	320	340	337	338	290	244
30	8700	364	534	693	---	427	318	288	379	328	289	239
31	6870	---	647	872	---	417	---	273	---	311	291	---
TOTAL	59494	39424	23063	15908	104844	23979	11247	9655	12876	16698	8943	8158
MEAN	1919	1314	744	513	3744	774	375	311	429	539	288	272
MAX	8700	6350	2190	1510	29800	1860	484	404	942	1740	365	337
MIN	264	359	361	331	390	417	318	273	265	311	253	239
CFSM	3.90	2.67	1.51	1.04	7.61	1.57	0.76	0.63	0.87	1.09	0.59	0.55
IN.	4.50	2.98	1.74	1.20	7.93	1.81	0.85	0.73	0.97	1.26	0.68	0.62

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2003, BY WATER YEAR (WY)

MEAN	407	511	852	1255	1430	1369	1267	821	526	459	420	410
MAX	1919	2118	2976	4728	3994	3625	4718	4317	1744	1503	1402	1717
(WY)	2003	1958	1972	1990	1966	1973	1983	1953	1975	1946	1953	2002
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1944 - 2003	
ANNUAL TOTAL	339831		334289			
ANNUAL MEAN	931		916		807	
HIGHEST ANNUAL MEAN					1301	1983
LOWEST ANNUAL MEAN					269	2000
HIGHEST DAILY MEAN	15000	Sep 27	29800	Feb 23	56900	Apr 7 1983
LOWEST DAILY MEAN	239	Sep 19	239	Sep 30	141	Sep 6 2000
ANNUAL SEVEN-DAY MINIMUM	242	Sep 14	253	Sep 24	146	Sep 2 2000
MAXIMUM PEAK FLOW			38800	Feb 23	64200	Apr 7 1983
MAXIMUM PEAK STAGE			30.34	Feb 23	34.62	Apr 7 1983
ANNUAL RUNOFF (CFSM)	1.89		1.86		1.64	
ANNUAL RUNOFF (INCHES)	25.69		25.28		22.30	
10 PERCENT EXCEEDS	1890		1490		1560	
50 PERCENT EXCEEDS	434		396		394	
90 PERCENT EXCEEDS	262		274		245	

02492343 EAST HOBOLOCHITTO CREEK NEAR CAESAR, MS

LOCATION.--Lat 30°34'27", long 89°35'32", in NW1/4 NW1/4 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 Caessar, and 3.5 mi downstream from Stanfield Creek.

DRAINAGE AREA.--86.1 mi^2.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	153	411	141	1750	71	580	68	36	e21	4810	130	196
2	121	237	133	1570	65	299	59	35	17	3540	154	218
3	515	181	111	523	64	210	54	35	21	1180	143	120
4	1820	260	106	284	152	186	51	34	22	387	265	78
5	2030	421	170	220	120	171	49	33	44	502	262	64
6	823	854	261	188	87	152	56	31	46	959	174	58
7	271	506	173	162	101	199	156	29	284	1630	120	48
8	580	254	127	142	123	315	1530	28	549	856	225	42
9	338	180	108	132	97	210	3430	26	190	506	153	35
10	343	154	991	126	90	198	1840	25	88	417	94	33
11	788	1140	1410	117	100	143	528	23	55	220	70	30
12	577	3300	623	107	84	112	265	22	44	226	61	27
13	248	2340	455	102	73	450	184	21	50	201	60	43
14	161	905	423	96	65	851	142	23	54	138	60	680
15	164	370	253	93	71	763	118	23	97	183	55	688
16	182	274	178	90	491	337	102	25	279	205	46	203
17	138	228	142	86	603	509	92	23	258	167	43	102
18	107	186	124	82	271	573	86	28	125	140	65	70
19	87	158	372	80	149	321	76	23	81	104	141	56
20	74	206	899	79	115	208	69	20	62	112	85	47
21	68	623	593	80	358	139	64	20	62	118	114	59
22	65	740	282	79	1110	109	63	28	78	102	170	362
23	76	323	216	75	1250	94	56	80	134	132	114	649
24	92	200	916	71	413	85	52	57	85	722	77	393
25	83	162	1940	68	218	77	52	37	92	972	62	152
26	753	142	1260	68	212	72	58	27	90	285	51	98
27	1210	129	382	69	1190	107	55	23	69	181	46	77
28	1500	119	245	68	1440	108	48	64	251	257	38	69
29	2340	114	189	67	---	84	44	61	235	182	42	56
30	2160	118	162	65	---	84	40	32	613	426	55	48
31	1340	---	715	73	---	81	---	25	---	195	95	---
TOTAL	19207	15235	14100	6812	9183	7827	9487	997	4096	20055	3270	4801
MEAN	620	508	455	220	328	252	316	32.2	137	647	105	160
MAX	2340	3300	1940	1750	1440	851	3430	80	613	4810	265	688
MIN	65	114	106	65	64	72	40	20	17	102	38	27
MED	271	245	253	90	121	186	66	28	83	226	85	70
CFSM	7.20	5.90	5.28	2.55	3.81	2.93	3.67	0.37	1.59	7.51	1.23	1.86
IN.	8.30	6.58	6.09	2.94	3.97	3.38	4.10	0.43	1.77	8.66	1.41	2.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2003, BY WATER YEAR (WY)

MEAN	117	112	128	289	208	357	147	59.6	137	156	70.2	132
MAX	620	508	455	1152	572	675	316	316	436	647	214	423
(WY)	2003	2003	2003	1998	1997	1998	2003	1997	2001	2003	2001	2002
MIN	0.66	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

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1996 - 2003	
ANNUAL TOTAL	90854.8		115070			
ANNUAL MEAN	249		315		159	
HIGHEST ANNUAL MEAN					315	2003
LOWEST ANNUAL MEAN					15.0	2000
HIGHEST DAILY MEAN	5760	Sep 27	4810	Jul 1	6250	Mar 8 1998
LOWEST DAILY MEAN	6.1	May 28	17	Jun 2	0.32	Nov 1 2000
ANNUAL SEVEN-DAY MINIMUM	6.5	May 23	23	May 11	0.37	Oct 27 2000
MAXIMUM PEAK FLOW			6310	Jul 1	8350	Jan 8 1998
MAXIMUM PEAK STAGE			18.53	Jul 1	19.45	Jan 8 1998
INSTANTANEOUS LOW FLOW			16	Jun 2	0.31	Oct 31 2000
ANNUAL RUNOFF (CFSM)	2.89		3.66		1.85	
ANNUAL RUNOFF (INCHES)	39.25		49.72		25.16	
10 PERCENT EXCEEDS	658		802		339	
50 PERCENT EXCEEDS	80		125		41	
90 PERCENT EXCEEDS	13		39		4.9	

e Estimated

02492360 WEST HOBOLOCHITTO CREEK NEAR MCNEILL, MS

LOCATION.--Lat 30°39'43", long 89°41'01", in NW1/4 NE1/4 sec.34, T.4 S., R.17 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 mi^2.

PERIOD OF RECORD.--July 1965 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 NGVD of 1929.

REMARKS.--Estimated daily discharges: Oct. 27-30. Records good except for estimated daily discharges, which are poor. 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 4	1000	4,680	17.37	Feb. 22	0700	3,240	15.37
Oct. 29	----	unknown	unknown	Feb. 28	0900	2,510	13.44
Nov. 12	0715	5,460	18.09	Mar. 14	0945	2,750	14.12
Dec. 25	1415	4,370	17.02	Apr. 8	2130	5,270	17.93
Dec. 31	2345	2,760	14.16	Jul. 2	0100	*10,500	*20.38

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	340	466	88	2220	127	1020	115	69	43	8160	148	206
2	248	302	81	1040	106	535	103	66	42	7980	184	151
3	1230	217	68	569	101	407	97	64	57	3130	195	107
4	4490	209	66	404	118	350	93	61	67	1840	230	97
5	3790	224	348	326	114	327	92	58	111	1730	175	88
6	1490	1510	396	272	112	330	97	57	78	1400	131	78
7	578	880	177	227	243	1590	444	55	740	1490	132	71
8	359	296	109	196	317	1980	3520	53	277	1040	134	67
9	228	208	86	181	172	973	4790	51	135	899	115	64
10	440	172	632	171	153	726	2930	49	89	491	106	62
11	797	1610	760	155	171	441	842	48	69	373	97	60
12	390	4670	425	141	135	317	499	46	70	402	93	58
13	222	1550	526	131	113	1080	355	46	74	287	91	256
14	153	575	498	124	102	2650	269	47	66	244	91	599
15	155	339	309	120	109	1750	216	48	151	256	90	173
16	130	307	227	116	1310	697	178	51	312	212	89	92
17	109	365	192	111	1250	1770	156	50	146	202	290	68
18	87	222	171	107	457	1080	137	48	104	187	202	58
19	78	161	357	103	259	595	124	45	166	161	123	52
20	69	285	777	101	194	447	113	46	153	197	107	49
21	61	1370	445	101	1260	315	105	56	232	163	867	63
22	58	509	270	102	3140	239	99	108	855	151	887	461
23	61	229	283	99	2360	201	92	110	415	249	202	350
24	64	151	2680	94	828	175	88	73	154	1450	131	140
25	78	118	4170	90	467	158	88	58	125	306	101	92
26	1480	101	2220	90	712	142	143	51	90	189	89	73
27	e1330	88	743	91	2210	171	113	78	353	265	82	63
28	e3670	78	539	90	2370	153	90	67	1380	182	78	57
29	e4060	71	438	89	---	135	79	59	823	159	74	52
30	e2620	73	375	93	---	135	74	51	1710	231	100	49
31	989	---	1820	145	---	132	---	46	---	158	156	---
TOTAL	29854	17356	20276	7899	19010	21021	16141	1815	9087	34184	5590	3856
MEAN	963	579	654	255	679	678	538	58.5	303	1103	180	129
MAX	4490	4670	4170	2220	3140	2650	4790	110	1710	8160	887	599
MIN	58	71	66	89	101	132	74	45	42	151	74	49
MED	340	257	375	120	218	407	114	53	140	265	123	72
CFSM	5.50	3.31	3.74	1.46	3.88	3.87	3.07	0.33	1.73	6.30	1.03	0.73
IN.	6.35	3.69	4.31	1.68	4.04	4.47	3.43	0.39	1.93	7.27	1.19	0.82

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2003, BY WATER YEAR (WY)

MEAN	174	116	228	468	510	566	260	131	230	217	109	133
MAX	963	579	654	1920	1792	1231	538	465	1014	1103	216	727
(WY)	2003	2003	2003	1998	1966	1998	2003	1997	2001	2003	2001	2002
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1965 - 2003	
ANNUAL TOTAL	143444		186089			
ANNUAL MEAN	393		510		261	
HIGHEST ANNUAL MEAN					510	2003
LOWEST ANNUAL MEAN					37.2	2000
HIGHEST DAILY MEAN	8500	Sep 27	8160	Jul 1	8790	Mar 8 1998
LOWEST DAILY MEAN	26	May 27	42	Jun 2	4.9	Oct 30 2000
ANNUAL SEVEN-DAY MINIMUM	27	May 23	48	May 9	5.8	Oct 27 2000
MAXIMUM PEAK FLOW			10500	Jul 2	27800	Jan 21 1993
MAXIMUM PEAK STAGE			20.38	Jul 2	23.43	Jan 21 1993
ANNUAL RUNOFF (CFSM)	2.25		2.91		1.49	
ANNUAL RUNOFF (INCHES)	30.49		39.56		20.28	
10 PERCENT EXCEEDS	953		1420		539	
50 PERCENT EXCEEDS	120		161		67	
90 PERCENT EXCEEDS	36		61		22	

e Estimated

301058089313900 USCG PEARL RIVER ENTRANCE CHANNEL LIGHT 7A

LOCATION.--Lat 30°10'58", long 89°31'39", St. Stevens Meridian, Hancock County, Hydrologic Unit 03180004, on the USCG Pearl River Entrance Channel Light 7A platform, near the mouth of the Pearl River.

DRAINAGE AREA.--Not applicable (open water).

PERIOD OF RECORD.--Water year 2000.

PERIOD OF DAILY RECORD.--
GAGE HEIGHT: July 2000 to current year.
SPECIFIC CONDUCTANCE: July 2000 to current year.
WATER TEMPERATURE: July 2000 to current year.

INSTRUMENTATION.--Submersible transducer and data-collection platform since July 2000. Datum of gage is NGVD of 1929. Water-quality monitor since July 2000.

REMARKS.--Gage height records good. Specific conductance records excellent. Water temperature records excellent. Interruptions in the record were due to malfunctions of the instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--
GAGE HEIGHT: Maximum recorded, 8.49 ft, Sept. 26, 2002, but may have been higher during periods of instrument malfunction; minimum recorded, -2.37 ft, Jan. 19, 2003, but may have been lower during periods of instrument malfunction.
SPECIFIC CONDUCTANCE: Maximum recorded, 43,600 microsiemens, Sept. 7, 2000, but may have been higher during periods of instrument malfunction; minimum recorded, 35 microsiemens, Mar. 1, 2, 2003, but may have been lower during periods of instrument malfunction.
WATER TEMPERATURE: Maximum recorded, 32.9°C, July 17, 19, 2002, but may have been higher during periods of instrument malfunction; minimum recorded, 5.1°C, Jan. 4, 2001, but may have been lower during periods of instrument malfunction.

EXTREMES FOR CURRENT YEAR.--
GAGE HEIGHT: Maximum recorded, 6.64 ft, Oct. 3, but may have been higher during periods of instrument malfunction; minimum recorded, -2.37 ft, Jan. 19, but may have been lower during periods of instrument malfunction.
SPECIFIC CONDUCTANCE: Maximum recorded, 30,300 microsiemens, Aug. 31, but may have been higher during periods of instrument malfunction; minimum recorded, 35 microsiemens, Mar. 1, 2, but may have been lower during periods of instrument malfunction.
WATER TEMPERATURE: Maximum recorded, 32.0°C, Aug. 26, but may have been higher during periods of instrument malfunction; minimum recorded, 7.2°C, Jan. 24, but may have been lower during periods of instrument malfunction.

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	2.20	1.17	1.69	1.10	---	---	-0.03	-1.45	-0.65	1.04	-1.58	-0.42
2	3.23	1.66	2.53	---	---	---	0.25	-1.58	-0.66	1.04	-1.33	-0.71
3	6.64	2.52	4.53	---	---	---	0.57	-1.74	-0.62	0.04	-2.02	-1.22
4	2.52	1.07	1.91	---	---	---	0.73	-1.34	-0.30	0.20	-1.72	-0.74
5	1.76	0.74	1.37	---	---	---	0.70	-1.78	-0.76	0.28	-1.88	-0.88
6	1.33	0.74	1.06	---	---	---	0.28	-1.77	-0.81	0.14	-1.52	-0.70
7	1.52	0.31	1.03	---	---	---	0.21	-1.87	-0.88	0.11	-1.38	-0.75
8	2.07	0.59	1.24	0.83	---	---	0.00	-1.67	-0.87	-0.67	-1.58	-1.18
9	2.27	0.69	1.53	1.06	-0.78	0.19	0.33	-1.11	-0.36	-0.21	-1.22	-0.82
10	2.66	0.77	1.68	1.33	-0.42	0.45	1.00	-0.93	-0.06	-0.21	-0.83	-0.51
11	2.40	0.29	1.31	1.28	-0.36	0.41	0.05	-1.30	-0.62	0.05	-0.84	-0.36
12	2.18	0.12	1.15	0.99	-0.86	0.16	1.34	-0.52	0.07	0.08	-0.89	-0.32
13	1.78	0.17	0.98	0.20	-0.85	-0.42	1.52	-1.60	-0.14	0.33	-0.77	-0.26
14	1.92	0.51	1.24	0.41	-0.22	-0.01	-0.41	-1.89	-1.20	0.25	-1.48	-0.59
15	1.89	0.35	1.21	0.49	0.07	0.33	-0.04	-1.38	-0.74	0.33	-1.49	-0.49
16	1.43	0.27	0.87	0.28	-0.71	-0.15	0.18	-1.58	-0.69	0.21	-1.41	-0.52
17	1.34	0.12	0.80	-0.48	-1.41	-1.00	0.95	-1.60	-0.42	-0.13	-2.10	-1.28
18	1.43	0.22	0.96	0.02	-1.57	-0.81	1.14	-1.06	0.05	-0.05	-1.75	-0.93
19	1.14	0.64	0.90	0.43	-1.57	-0.63	1.16	-0.47	0.40	0.04	-2.37	-1.35
20	1.35	0.42	0.92	0.93	-1.37	-0.20	0.51	-1.47	-0.67	0.18	-2.04	-1.00
21	1.35	0.29	0.91	0.86	-1.34	-0.23	0.63	-1.56	-0.53	0.09	-1.59	-0.70
22	1.34	0.16	0.82	0.72	-1.21	-0.45	0.66	-1.60	-0.53	0.30	-1.33	-0.57
23	1.56	0.32	0.96	0.29	-1.38	-0.50	1.33	-0.81	0.14	-0.66	-1.66	-1.24
24	1.71	0.11	0.91	0.46	-1.40	-0.48	1.85	-1.46	-0.14	-0.82	-1.38	-0.94
25	1.75	0.17	0.94	0.63	-1.19	-0.27	-0.71	-1.69	-1.33	-0.11	-1.55	-0.78
26	1.72	-0.10	0.76	0.61	-1.22	-0.31	-0.36	-1.15	-0.69	0.20	-1.50	-0.61
27	1.69	-0.08	0.84	0.30	-1.17	-0.45	-0.34	-0.84	-0.60	0.18	-1.59	-0.70
28	1.65	-0.28	0.64	0.18	-1.15	-0.45	-0.23	-1.23	-0.76	0.48	-1.68	-0.61
29	1.39	-0.41	0.58	-0.28	-1.07	-0.59	0.33	-1.56	-0.61	0.73	-1.50	-0.37
30	1.04	-0.24	0.47	-0.38	-1.35	-0.91	1.36	-1.31	-0.11	0.70	-1.57	-0.48
31	1.09	-0.05	0.66	---	---	---	1.47	0.04	0.67	0.70	-1.46	-0.50

301058089313900 USCG PEARL RIVER ENTRANCE CHANNEL LIGHT 7A--Continued

Gage height, feet--Continued
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	0.14	-1.58	-0.74	1.24	-0.29	0.42	-0.57	-1.50	-1.07	1.16	-0.45	0.49
2	0.40	-1.69	-0.70	0.93	-0.68	-0.02	0.28	-0.95	-0.32	0.79	-0.74	0.14
3	0.51	-1.21	-0.29	1.25	0.06	0.54	0.52	-0.41	0.06	0.75	-0.90	0.03
4	0.49	-1.31	-0.53	1.57	0.48	0.98	0.92	-0.31	0.36	1.20	-0.93	0.24
5	-0.08	-0.42	-0.23	0.71	0.06	0.41	1.01	-0.41	0.41	1.29	-0.62	0.36
6	0.74	-0.51	0.31	0.47	0.01	0.23	1.56	-0.44	0.73	1.05	-0.42	0.41
7	-0.26	-0.71	-0.51	0.94	-0.35	0.55	1.22	-0.25	0.51	0.89	-0.36	0.28
8	0.11	-0.88	-0.45	1.06	-0.39	0.44	1.74	-0.25	0.86	1.06	-0.71	0.25
9	0.67	-0.87	0.00	0.66	-0.39	0.21	0.35	-1.04	-0.36	0.81	-0.44	0.25
10	0.17	-1.17	-0.43	0.86	-0.78	0.08	-0.43	-1.78	-1.08	0.55	-0.29	0.15
11	0.55	-1.20	-0.33	0.99	-0.95	0.07	0.21	-1.75	-0.73	0.04	-0.46	-0.25
12	0.14	-1.26	-0.49	1.24	-0.71	0.21	0.53	-1.62	-0.49	0.30	-0.54	-0.15
13	0.63	-1.28	-0.29	1.05	-0.85	0.08	0.29	-1.28	-0.39	0.54	-0.51	-0.07
14	1.05	-1.30	-0.26	0.89	-0.93	0.06	0.05	-1.09	-0.46	0.39	-0.81	-0.11
15	1.16	-0.83	0.20	0.85	-0.80	0.10	0.10	-0.79	-0.32	0.62	-1.21	-0.13
16	1.16	-0.78	-0.08	2.05	-0.45	0.73	---	-0.51	---	0.78	-1.21	-0.14
17	0.12	-1.56	-0.76	2.07	-0.12	0.67	0.51	-1.04	-0.08	1.08	-1.05	0.01
18	0.24	-1.25	-0.54	1.62	0.10	0.97	1.27	-1.04	0.27	0.81	-1.57	-0.22
19	0.25	-0.80	-0.24	1.62	0.17	0.85	1.34	-0.85	0.44	1.30	-1.35	0.01
20	---	---	---	0.91	-0.46	0.48	1.43	-0.51	0.39	1.19	-0.88	0.18
21	---	---	---	0.66	-1.17	-0.16	1.02	-0.66	0.17	1.17	-0.58	0.33
22	---	---	---	0.96	-1.17	0.00	1.29	-0.96	0.19	0.76	-0.49	0.17
23	---	---	---	0.77	-1.06	-0.15	1.35	-0.82	0.34	0.64	-0.28	0.19
24	---	---	---	0.79	-1.26	-0.21	1.67	-0.08	0.72	0.67	-0.16	0.24
25	---	---	---	0.77	-1.40	-0.26	0.96	-0.18	0.31	0.09	-0.47	-0.17
26	---	---	---	1.00	-1.15	-0.02	0.78	-0.32	0.28	0.00	-0.95	-0.28
27	---	---	---	1.39	-0.54	0.52	0.67	-0.05	0.36	0.52	-0.76	-0.01
28	1.23	-0.76	0.10	1.31	-0.21	0.55	0.59	-0.18	0.17	0.49	-0.99	-0.16
29	---	---	---	1.19	-0.61	-0.16	0.66	-0.18	0.28	0.30	-1.28	-0.48
30	---	---	---	---	---	---	0.88	-0.28	0.42	0.04	-1.59	-0.63
31	---	---	---	-0.73	-1.38	-1.03	---	---	---	0.00	-1.72	-0.82
		JUNE			JULY			AUGUST			SEPTEMBER	
1	0.13	-1.84	-0.83	1.76	0.02	0.85	0.59	-1.08	-0.31	1.80	0.47	1.12
2	0.62	-1.57	-0.39	1.66	-0.18	0.82	0.31	-0.99	-0.30	1.66	0.12	0.88
3	0.81	-1.31	-0.26	1.44	-0.08	0.75	-0.01	-0.59	-0.19	1.59	0.10	0.85
4	1.01	-1.33	-0.07	1.57	-0.05	0.64	0.26	-0.61	-0.24	1.63	-0.12	0.79
5	1.24	-0.91	0.31	1.19	-0.17	0.55	0.12	-1.21	-0.44	1.61	-0.17	0.81
6	1.14	-0.59	0.25	1.01	-0.12	0.61	0.48	-1.55	-0.46	1.80	-0.06	0.93
7	0.71	-0.69	0.01	1.33	0.35	0.82	0.15	-1.63	-0.68	1.73	0.07	0.91
8	0.48	-0.66	-0.08	1.22	-0.03	0.64	0.84	-1.41	-0.18	1.65	0.03	0.94
9	0.16	-0.67	-0.32	1.14	-0.37	0.47	1.06	-1.18	0.02	1.50	0.06	0.82
10	0.14	-1.04	-0.39	1.03	-1.00	0.15	1.07	-1.10	0.06	1.26	0.06	0.69
11	0.43	-1.25	-0.36	1.07	-0.78	0.21	1.03	-1.08	0.02	1.10	0.34	0.72
12	0.83	-1.31	-0.16	1.30	-0.63	0.39	1.21	-0.99	0.31	1.04	0.67	0.85
13	0.63	-1.27	-0.10	1.62	-0.44	0.52	1.00	-0.64	0.11	1.17	0.46	0.78
14	1.21	-1.27	0.10	1.83	-0.58	0.75	0.95	-0.55	0.26	1.07	0.11	0.60
15	1.17	-1.10	0.06	1.58	-0.08	0.84	1.46	-0.47	0.69	1.04	0.16	0.56
16	1.11	-1.08	0.07	1.23	-0.26	0.47	0.72	0.01	0.41	1.19	0.47	0.82
17	1.46	-1.07	0.33	1.06	-0.54	0.22	0.68	-0.19	0.28	1.36	0.24	0.79
18	1.14	-0.61	0.31	0.58	-0.44	0.18	0.56	-0.28	0.07	1.39	0.26	0.86
19	1.06	-0.52	0.23	0.09	-0.44	-0.20	0.53	-0.65	-0.04	1.36	-0.19	0.61
20	0.50	-0.50	0.04	0.14	-0.59	-0.17	0.48	-0.32	0.09	1.15	-0.01	0.59
21	0.63	-0.47	0.04	-0.22	-0.87	-0.53	0.99	-0.12	0.46	1.97	0.17	1.25
22	0.42	-0.23	0.08	-0.26	-1.24	-0.73	1.36	0.01	0.75	2.00	0.11	1.04
23	0.72	-0.34	0.17	-0.21	-1.48	-0.73	1.56	-0.07	0.85	1.69	0.10	0.99
24	0.86	-0.11	0.43	0.78	-1.23	-0.15	1.55	-0.15	0.80	1.78	0.18	1.11
25	1.46	0.19	0.84	0.92	-1.14	0.00	1.45	-0.25	0.69	2.11	0.48	1.36
26	1.21	-0.11	0.66	1.02	-0.93	0.12	1.24	-0.37	0.48	1.80	1.09	1.44
27	1.32	-0.32	0.59	1.01	-0.93	0.09	1.38	-0.37	0.60	1.59	0.57	1.13
28	1.72	-0.09	0.99	1.01	-1.06	0.07	1.19	-0.19	0.57	1.24	0.22	0.68
29	1.96	0.14	1.10	0.86	-1.07	-0.11	1.49	0.17	1.04	1.20	0.45	0.81
30	4.57	0.13	2.30	0.70	-1.11	-0.05	1.57	0.91	1.20	1.62	0.38	0.96
31	---	---	---	0.79	-1.08	-0.23	1.89	1.03	1.45	---	---	---

301058089313900 USCG PEARL RIVER ENTRANCE CHANNEL LIGHT 7A--Continued

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	9960	193	3330	---	---	---	4930	391	2200	5450	121	948
2	15100	221	8340	---	---	---	7260	730	3150	5450	69	1320
3	21900	13300	18200	---	---	---	10200	778	4100	3100	64	232
4	13600	2240	6050	---	---	---	12500	2440	7360	3300	62	693
5	2480	462	1150	---	---	---	13200	1410	5680	664	62	136
6	1010	182	535	---	---	---	9910	1740	5130	2180	65	265
7	913	169	378	---	---	---	8640	1600	4450	126	68	77
8	994	343	520	---	---	---	6340	1180	3600	95	70	75
9	6520	288	2190	5560	72	1760	9590	1990	6540	---	70	---
10	7450	171	3340	4780	71	1630	19300	2940	11300	2500	69	505
11	8820	164	3050	4430	67	791	9190	1180	4640	4120	743	2190
12	7140	200	2640	760	61	181	19600	2400	7000	3970	637	1800
13	7200	196	2340	71	56	62	23900	1680	11600	7640	150	1850
14	7310	271	3300	61	53	56	2260	1580	2000	8240	84	2390
15	6810	239	3290	69	55	58	4680	799	2090	8230	152	3880
16	3590	352	1150	70	56	62	5370	358	2680	7770	557	3730
17	3690	181	1430	89	63	77	13500	417	4410	2780	139	646
18	5530	248	2740	2040	74	200	15100	1930	9860	3220	453	1630
19	4700	651	2590	4340	81	858	16600	2790	10100	4360	175	991
20	2700	420	1230	4070	89	1890	12300	802	3420	7000	885	3180
21	5270	990	3270	3950	118	1640	8470	438	4120	7330	1920	5020
22	6000	1090	3460	3750	119	977	9370	541	4480	12800	3620	7610
23	7120	864	4060	3310	99	874	16000	869	7860	9730	2400	4980
24	9060	2040	5410	3750	97	1190	18200	1120	8810	7570	2500	4570
25	10200	1800	5340	4760	154	2150	2170	1080	1420	14100	2060	6990
26	5450	1540	3430	5100	153	2240	2530	135	1000	18600	4400	12500
27	7430	2760	4910	4500	106	1630	180	77	108	18600	6600	12900
28	7630	3450	5810	4000	119	1650	81	61	70	22100	7270	14400
29	9080	5850	6960	793	182	335	2380	58	481	25500	10200	17300
30	10500	6010	7310	1970	131	465	9440	69	2540	25600	8760	17500
31	11700	5740	7540	---	---	---	11400	150	3940	25600	11700	16800
		FEBRUARY			MARCH			APRIL			MAY	
1	21800	11100	14700	58	35	40	1960	313	1040	6940	233	3390
2	18900	8540	14100	41	35	38	3460	1150	2270	2480	171	1040
3	19300	10000	15600	39	36	37	3160	1980	2670	1930	120	395
4	19100	6960	12200	49	38	45	4090	2370	3030	4900	116	1780
5	19800	12700	17300	54	49	51	6240	1110	3330	6430	176	2300
6	26600	13100	21500	55	52	53	8490	569	5070	6380	194	2260
7	15400	8800	11100	56	51	53	6930	1930	4870	2950	731	1640
8	13600	5820	10200	56	53	54	10000	511	5290	8220	160	3000
9	20000	4810	12500	55	53	54	4820	252	621	5400	376	1580
10	18800	4120	9620	56	53	54	527	226	387	3400	475	1290
11	18200	2810	11000	55	53	54	2040	88	512	1730	108	590
12	16800	2550	7900	56	53	55	2190	57	443	2390	110	1280
13	18900	1530	11000	61	55	58	1440	53	160	5140	109	2290
14	18600	1680	10900	68	57	62	77	53	59	3490	309	1940
15	21700	3320	13700	70	61	64	121	54	67	3200	266	1430
16	21400	1320	8700	556	61	174	3360	65	812	6460	430	2980
17	9450	552	4090	686	71	206	893	55	129	8020	781	3500
18	9880	357	4030	586	67	162	9760	57	2990	7850	599	3650
19	8520	351	3730	591	71	128	9770	64	4040	9820	796	5240
20	---	---	---	81	70	75	9350	58	2740	11300	2060	6810
21	---	---	---	111	70	81	1550	54	240	12000	3100	8340
22	---	---	---	1320	78	435	5540	51	1440	10700	2320	6560
23	---	---	---	1130	115	344	7050	51	2320	10200	3850	7490
24	---	---	---	2000	113	641	6770	54	2590	10100	3880	6640
25	---	---	---	1660	123	631	3630	58	336	6100	1490	2950
26	---	---	---	1570	129	703	340	63	104	5540	1360	3320
27	---	---	---	2240	148	1060	1090	75	364	11700	2860	8420
28	---	36	---	3420	199	1280	255	78	116	12300	3830	8560
29	---	---	---	3500	---	---	1310	96	338	6880	2200	4290
30	---	---	---	---	---	---	5340	145	2370	3440	842	1670
31	---	---	---	787	349	516	---	---	---	4510	802	2450

301058089313900 USCG PEARL RIVER ENTRANCE CHANNEL LIGHT 7A--Continued

Specific conductance, water, unfiltered, microseimens per centimeter at 25 degrees Celsius--Continued
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	5100	721	2840	20600	2120	7780	9640	2960	5660	28900	14000	23000
2	7660	1300	4250	8440	308	3510	9730	3430	6660	26100	11800	20800
3	11100	2160	5750	5140	109	1410	7550	4290	6160	23700	11700	19300
4	14600	2770	8890	990	94	174	9980	3660	6160	23500	9820	18400
5	18900	4700	13100	338	51	91	9630	3690	7130	22900	9470	17600
6	17000	8910	13700	72	51	59	17100	4260	11300	23300	9470	18300
7	12000	6510	8820	297	53	94	13800	4190	9180	23100	10800	18500
8	12400	5650	9400	115	57	76	23000	5750	16100	23500	11100	19100
9	10000	5910	7550	151	63	95	25800	9540	19700	23100	10100	17700
10	8060	3050	5980	141	72	101	26700	11600	21100	22700	9440	16300
11	9050	3050	6130	3470	73	1090	26600	12600	21000	21600	12400	17700
12	13100	3270	7720	3420	75	1460	26900	12500	21900	23600	18600	21100
13	11900	3440	7970	3310	106	1350	23800	13200	19500	23400	15300	20200
14	15800	3400	10000	2960	177	1650	24300	12000	19200	21600	11600	16400
15	16400	3590	10800	3730	206	2070	28400	9610	21200	19600	11500	15400
16	16500	4530	10800	4270	144	1430	25200	16100	20100	19000	11300	15200
17	17900	4000	11900	2630	100	734	22100	11800	17600	18900	10500	14800
18	16700	3330	11800	332	95	166	17000	9120	13200	19700	10900	15600
19	15000	1380	8900	146	90	123	18800	9420	13500	17500	9990	13600
20	7660	852	3930	142	97	121	18600	11700	15900	15100	9770	12300
21	7060	1170	4350	577	109	141	23100	15600	19700	20300	10800	16700
22	5940	1140	2950	1740	123	567	24200	14400	21300	20400	9400	16000
23	9610	1040	5070	3830	180	1570	25100	13800	21700	19600	9400	15400
24	9160	625	5810	15000	1600	9990	26100	13800	21800	20500	11500	16600
25	16300	545	10200	16500	4810	12000	26000	13800	21200	21800	11600	18000
26	---	1120	---	17400	3830	12800	25000	13100	19700	21900	17300	20200
27	16600	699	8150	17800	2770	11900	25300	12800	20300	21800	11900	18000
28	16900	1110	11200	18100	3290	11900	24200	14300	19300	19900	9420	14100
29	18500	2820	13000	14700	2840	9180	26000	14400	22700	16000	10100	12800
30	21700	3610	15600	15400	4570	11000	28100	22800	25800	21400	10900	16600
31	---	---	---	12500	4530	7750	30300	20800	27500	---	---	---

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	26.3	24.2	25.2	---	---	---	13.6	12.8	13.3	13.4	13.0	13.2
2	27.4	24.3	26.3	---	---	---	13.8	12.6	13.1	13.2	11.8	12.5
3	27.2	26.1	26.8	---	---	---	14.1	13.1	13.5	12.2	11.4	11.7
4	27.2	25.2	26.0	---	---	---	15.4	13.9	14.4	11.8	10.7	11.0
5	26.8	25.5	25.9	---	---	---	15.0	12.8	14.0	11.2	10.1	10.6
6	26.5	25.6	25.9	---	---	---	13.0	12.0	12.4	11.3	10.1	10.8
7	25.9	25.3	25.7	---	---	---	12.4	11.4	11.9	10.9	9.9	10.6
8	25.5	24.9	25.3	---	---	---	12.1	11.5	11.8	10.5	9.7	10.1
9	26.4	24.9	25.6	18.3	17.0	17.5	12.0	11.3	11.6	11.0	9.6	10.3
10	26.6	25.0	25.7	18.9	17.9	18.4	11.8	11.4	11.6	11.7	10.4	11.1
11	26.4	24.9	25.7	19.6	18.6	19.0	12.0	11.2	11.5	11.5	10.4	10.8
12	26.7	25.2	25.8	19.6	18.2	18.8	11.6	11.1	11.3	10.9	9.8	10.1
13	26.5	24.9	25.5	18.2	16.9	17.6	11.8	11.3	11.5	9.8	9.3	9.5
14	25.0	23.3	24.2	16.9	16.3	16.7	11.5	11.0	11.2	10.2	8.8	9.4
15	23.8	22.4	23.3	17.3	16.3	16.6	12.4	10.8	11.5	10.2	8.9	9.4
16	22.7	21.4	22.1	16.7	15.6	16.4	12.8	11.2	11.7	10.5	9.3	9.8
17	22.7	21.2	21.7	15.6	14.9	15.1	13.6	11.5	12.3	9.6	8.5	8.9
18	22.5	21.2	21.9	16.0	14.2	14.9	14.6	12.3	13.4	9.2	8.3	8.6
19	23.4	21.2	22.0	16.0	14.4	15.1	14.6	13.4	14.1	9.9	8.2	8.7
20	23.7	21.4	22.2	16.4	14.9	15.6	14.4	13.3	13.7	10.0	8.5	9.2
21	23.3	21.9	22.7	16.3	15.3	15.9	14.3	13.4	13.7	10.9	9.3	10.1
22	23.1	21.8	22.5	16.1	15.2	15.6	14.6	13.5	14.1	11.2	10.2	10.8
23	23.0	22.0	22.5	15.3	14.7	15.0	15.4	13.8	14.6	11.0	9.2	10.0
24	23.0	22.2	22.6	15.4	14.3	14.7	15.8	15.0	15.6	9.2	7.2	8.3
25	---	---	---	15.7	14.5	14.9	15.0	13.8	14.2	8.3	7.6	7.9
26	---	---	---	15.7	14.6	15.2	14.2	13.0	13.5	8.3	7.6	7.9
27	---	---	---	15.9	13.9	14.9	13.0	11.8	12.2	8.7	7.6	8.0
28	---	---	---	14.2	13.5	14.0	11.8	11.0	11.5	9.0	7.8	8.4
29	---	---	---	14.2	13.3	13.6	12.5	10.7	11.5	10.8	8.7	9.2
30	---	---	---	13.8	13.3	13.6	14.2	11.0	12.3	10.9	9.8	10.2
31	---	---	---	---	---	---	14.3	12.7	13.6	11.2	10.1	10.5

301058089313900 USCG PEARL RIVER ENTRANCE CHANNEL LIGHT 7A--Continued

Temperature, water, degrees Celsius--Continued
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	11.8	10.2	10.9	13.7	13.6	13.6	18.8	16.5	17.6	26.5	23.3	25.0
2	13.5	10.7	11.5	13.7	13.4	13.6	18.7	17.4	18.0	26.5	24.3	25.2
3	12.4	11.4	12.0	13.7	12.9	13.2	19.6	18.1	18.8	26.5	24.4	25.1
4	12.9	12.2	12.5	12.9	12.5	12.7	21.0	19.1	20.0	27.8	24.5	26.2
5	12.7	11.8	12.2	13.2	12.7	12.9	21.3	19.8	20.7	27.4	25.4	26.5
6	12.2	11.3	11.8	13.6	13.2	13.4	22.0	20.0	21.0	27.7	25.5	26.5
7	12.0	10.9	11.4	14.9	13.6	14.0	22.3	21.3	21.9	27.6	26.1	26.9
8	11.1	10.0	10.7	14.9	14.5	14.7	21.5	20.2	21.0	28.1	26.1	27.1
9	10.8	10.4	10.6	15.3	14.7	14.9	20.2	16.9	18.6	28.4	26.5	27.5
10	11.7	10.4	11.0	15.7	15.0	15.3	16.9	15.7	16.2	28.8	26.6	27.5
11	12.3	10.5	11.3	15.8	15.6	15.7	16.9	15.4	16.1	27.8	26.5	27.1
12	13.3	10.9	11.8	16.1	15.7	15.9	17.9	15.5	16.6	27.4	26.7	27.1
13	13.2	11.1	12.4	16.8	16.1	16.6	18.9	15.9	17.1	27.0	25.8	26.5
14	14.6	12.2	13.1	17.0	16.5	16.8	19.3	16.9	18.0	27.6	25.4	26.4
15	16.1	13.2	14.3	17.5	16.7	17.2	20.5	17.8	19.0	27.4	26.1	26.6
16	15.2	14.3	14.6	18.6	17.0	17.6	21.9	19.1	20.5	28.4	26.2	27.3
17	14.5	13.0	13.4	18.9	17.2	17.8	20.8	19.4	20.0	28.7	26.9	27.7
18	13.2	12.3	12.6	19.6	17.6	18.4	22.8	20.0	21.2	28.3	26.9	27.6
19	13.1	11.9	12.6	19.4	17.9	18.5	23.9	20.4	22.0	28.1	27.0	27.6
20	---	---	---	19.2	18.1	18.7	24.0	20.8	21.9	27.7	27.0	27.3
21	---	---	---	19.1	18.1	18.5	21.6	21.0	21.2	27.6	26.6	27.1
22	---	---	---	20.1	17.8	18.8	23.5	20.9	21.9	27.2	25.9	26.5
23	---	---	---	20.6	18.0	18.9	23.2	20.8	21.8	27.8	25.6	26.6
24	---	---	---	20.8	18.1	19.4	22.9	20.8	21.8	27.5	25.9	26.5
25	---	---	---	20.6	18.3	19.4	22.4	21.1	21.6	27.8	25.7	26.5
26	---	---	---	20.6	18.9	19.8	22.7	21.4	22.0	28.8	26.3	27.0
27	---	---	---	21.6	19.0	20.3	23.1	21.8	22.3	27.2	26.1	26.7
28	14.0	13.7	13.8	22.6	19.4	21.0	23.9	22.1	23.0	27.1	25.4	26.3
29	---	---	---	22.1	---	---	24.8	22.4	23.3	26.9	25.6	26.1
30	---	---	---	---	17.5	---	25.7	22.9	24.4	26.9	25.7	26.1
31	---	---	---	17.8	16.6	17.1	---	---	---	27.9	25.7	26.6
		JUNE			JULY			AUGUST			SEPTEMBER	
1	28.4	26.1	27.1	26.8	25.4	26.0	30.5	29.0	29.7	29.9	28.2	28.8
2	28.5	27.0	27.8	28.8	25.7	26.5	30.0	28.9	29.5	30.9	28.9	29.6
3	28.1	27.0	27.6	28.5	25.8	26.7	30.4	28.8	29.3	30.9	29.5	30.0
4	28.2	27.1	27.7	26.4	25.3	25.7	31.2	29.3	30.1	30.3	29.5	30.0
5	28.0	27.1	27.6	25.8	24.7	25.0	31.1	29.6	30.2	29.6	29.2	29.4
6	27.8	27.2	27.4	25.8	24.6	25.1	30.9	29.3	29.9	29.9	28.4	29.0
7	28.2	26.8	27.3	26.1	25.2	25.5	30.3	29.4	29.9	29.3	28.5	28.8
8	29.1	27.4	28.1	26.0	25.1	25.4	30.8	29.0	29.9	29.3	28.0	28.6
9	30.6	28.2	28.9	27.8	25.4	26.2	30.8	29.6	30.1	29.1	28.2	28.7
10	30.3	28.9	29.5	27.7	26.5	27.2	30.8	29.7	30.2	29.4	28.0	28.7
11	29.2	28.4	28.7	29.2	27.1	28.0	30.7	29.8	30.3	29.3	28.4	28.8
12	28.9	27.8	28.4	30.1	27.2	28.4	30.2	28.9	29.6	28.5	27.9	28.3
13	29.9	27.6	28.4	30.1	27.3	28.6	29.1	28.2	28.7	28.3	27.6	28.0
14	30.1	28.0	28.9	28.8	27.7	28.4	29.5	28.1	28.7	29.3	27.8	28.4
15	29.6	28.6	29.1	29.8	27.6	28.5	29.5	28.4	29.0	28.9	27.9	28.4
16	29.7	28.3	29.1	30.7	28.1	29.1	31.0	29.1	29.7	28.4	27.0	27.7
17	29.3	28.3	28.5	30.2	28.1	29.0	31.0	29.3	30.0	28.1	26.8	27.5
18	29.5	27.5	28.6	29.3	27.7	28.1	31.0	29.5	30.2	28.7	26.8	27.6
19	29.8	27.2	28.6	28.8	28.1	28.4	31.0	29.6	30.2	29.2	26.9	28.0
20	28.1	26.7	27.3	28.8	28.1	28.4	30.2	29.2	29.7	28.4	27.4	27.8
21	28.5	27.0	27.7	29.5	28.3	28.8	30.4	28.9	29.5	27.9	27.4	27.6
22	29.4	27.1	27.8	30.0	28.7	29.3	30.2	29.6	29.9	27.6	27.1	27.4
23	31.7	27.3	28.8	29.8	28.6	29.1	30.1	29.5	29.8	27.7	26.2	27.1
24	31.1	27.9	29.7	29.7	27.9	28.6	31.0	29.5	30.1	27.5	26.7	27.2
25	30.7	28.2	29.7	30.2	28.6	29.2	31.4	30.1	30.6	27.3	26.7	27.0
26	31.1	28.5	29.8	30.9	29.1	29.7	32.0	30.2	31.0	27.5	26.7	27.1
27	30.6	28.4	29.6	30.8	29.1	29.9	31.6	30.6	31.1	28.4	27.1	27.6
28	29.6	28.3	29.1	30.9	29.2	29.9	31.9	30.5	31.2	28.0	26.5	27.0
29	29.1	28.1	28.7	31.1	28.6	29.8	31.0	30.0	30.5	26.5	24.6	25.3
30	28.2	26.6	27.5	30.5	29.1	29.8	30.1	29.4	29.7	24.8	22.9	23.7
31	---	---	---	31.3	28.7	29.9	29.4	28.6	28.9	---	---	---

301104089253400 USCG ST JOSEPH ISLAND LIGHT 22

LOCATION.--Lat 30°11'04", long 89°25'34", St. Stevens Meridian, Hancock County, Hydrologic Unit 03170009, on the USCG St. Joseph Island Light platform, in the Mississippi Sound.

DRAINAGE AREA.--Not applicable (open water).

PERIOD OF RECORD.--Water year 2000.

PERIOD OF DAILY RECORD.--
GAGE HEIGHT: July 2000 to current year.
SPECIFIC CONDUCTANCE: July 2000 to current year.
WATER TEMPERATURE: July 2000 to current year.

INSTRUMENTATION.--Submersible transducer and data-collection platform since July 2000. Datum of gage is undetermined. Water-quality monitor since July 2000.

REMARKS.--Gage height records fair. Specific conductance records poor. Water temperature records good. Interruptions in the record were due to malfunctions of the instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--
GAGE HEIGHT: Maximum recorded, 9.04 ft, Sept. 26, 2002, but may have been higher during periods of instrument malfunction; minimum recorded, 1.10 ft, Dec. 19, 2000, but may have been lower during periods of instrument malfunction.
SPECIFIC CONDUCTANCE: Maximum recorded, 46,500 microsiemens, Sept. 7, 2000, but may have been higher during periods of instrument malfunction; minimum recorded, 158 microsiemens, Mar. 8, 2003, but may have been lower during periods of instrument malfunction.
WATER TEMPERATURE: Maximum recorded, 32.5°C, July 20, 2002, but may have been higher during periods of instrument malfunction; minimum recorded, 6.6°C, Jan. 5, 2002, but may have been lower during periods of instrument malfunction.

EXTREMES FOR CURRENT YEAR.--
GAGE HEIGHT: Maximum recorded, 8.24 ft, June 30, but may have been higher during periods of instrument malfunction; minimum recorded, 1.51 ft, Jan. 3, but may have been lower during periods of instrument malfunction.
SPECIFIC CONDUCTANCE: Maximum recorded, 32,300 microsiemens, Aug. 31, but may have been higher during periods of instrument malfunction; minimum recorded, 158 microsiemens, Mar. 8, but may have been lower during periods of instrument malfunction.
WATER TEMPERATURE: Maximum recorded, 31.7°C, June 23, but may have been higher during periods of instrument malfunction; minimum recorded, 7.0°C, Jan. 24, 25, but may have been lower during periods of instrument malfunction.

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	5.10	3.92	4.54	---	---	---	3.86	2.26	3.21	4.80	1.88	3.20
2	6.34	4.62	5.43	---	---	---	4.23	2.21	3.23	4.69	2.23	2.85
3	7.67	---	---	---	---	---	4.63	2.03	3.29	3.94	1.51	2.44
4	---	---	---	---	---	---	4.87	2.47	3.70	4.06	1.88	2.95
5	---	---	---	---	---	---	4.78	2.03	3.04	4.06	1.67	2.77
6	---	---	---	---	---	---	4.28	2.08	3.11	3.92	2.05	2.95
7	---	---	---	---	---	---	4.28	1.99	3.08	3.71	2.23	2.85
8	---	---	---	---	---	---	4.12	2.21	3.13	3.00	2.03	2.50
9	---	---	---	---	---	---	4.55	2.90	3.67	3.47	2.49	2.90
10	---	---	---	---	---	---	5.15	3.12	3.98	3.47	2.81	3.16
11	---	---	---	---	---	---	4.10	2.67	3.41	4.00	2.78	3.48
12	---	---	---	---	---	---	4.75	2.72	3.52	4.26	3.09	3.75
13	---	---	---	---	---	---	4.83	1.82	2.77	4.51	3.30	3.86
14	---	---	---	---	---	---	3.32	1.75	2.52	4.43	2.50	3.52
15	---	---	---	---	---	---	3.70	2.32	2.99	4.54	2.58	3.62
16	---	---	---	---	---	---	3.91	2.03	3.00	4.45	2.61	3.59
17	---	---	---	---	---	---	---	1.99	---	4.14	1.85	2.83
18	---	---	---	---	---	---	---	2.58	---	4.14	2.29	3.17
19	---	---	---	---	---	---	4.69	3.03	3.96	4.45	1.54	2.77
20	---	---	---	4.56	---	---	4.21	1.91	2.96	4.45	1.97	3.12
21	---	---	---	4.53	2.14	3.38	4.43	1.90	3.13	4.36	2.51	3.45
22	---	---	---	4.48	2.25	3.21	4.45	1.97	3.13	4.51	2.80	3.60
23	---	---	---	4.22	2.09	3.18	5.30	2.58	---	3.50	2.40	2.88
24	---	---	---	4.34	2.08	3.23	5.49	2.26	3.47	3.35	2.70	3.16
25	---	---	---	4.48	2.47	3.49	3.01	1.99	2.40	4.06	2.61	3.36
26	---	---	---	4.32	2.47	3.42	3.33	2.49	2.95	4.38	2.55	3.54
27	---	---	---	4.19	2.38	3.32	3.33	2.80	3.05	4.35	2.37	3.40
28	---	---	---	3.93	2.56	3.32	3.42	2.39	2.88	4.70	2.38	3.53
29	---	---	---	3.54	2.70	3.25	4.00	1.98	3.01	4.96	2.58	3.77
30	---	---	---	3.49	2.45	2.94	5.02	2.17	3.68	4.92	2.48	3.64
31	---	---	---	---	---	---	5.07	3.61	4.29	4.85	2.59	3.57

301104089253400 USCG ST JOSEPH ISLAND LIGHT 22--Continued

Gage height, feet--Continued
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	4.30	2.42	3.33	5.01	3.37	4.14	2.91	1.98	2.45	5.47	3.66	4.67
2	4.62	2.30	3.37	4.68	2.89	3.68	3.85	2.63	3.24	5.10	3.39	4.34
3	4.65	2.86	3.95	5.06	3.71	4.26	4.05	3.17	3.60	5.08	3.20	4.26
4	4.62	2.58	3.41	5.28	4.13	4.65	4.52	3.21	3.89	5.70	3.20	4.57
5	3.95	3.53	3.77	4.47	3.72	4.12	4.59	3.00	3.92	5.89	---	---
6	4.80	3.55	4.29	4.20	3.68	3.96	5.11	3.02	4.31	5.91	3.86	4.77
7	3.71	3.22	3.50	4.70	3.19	4.21	4.77	3.13	4.00	5.69	4.01	4.81
8	4.09	3.13	3.54	4.80	3.19	4.13	5.56	3.13	4.52	5.96	3.78	4.85
9	4.70	3.12	4.01	4.39	3.09	3.84	---	---	---	5.50	4.14	4.88
10	4.16	2.77	3.54	4.58	2.86	3.74	3.47	1.79	2.92	5.20	4.06	4.73
11	4.57	2.70	3.65	4.69	2.56	3.72	3.94	1.77	2.94	4.71	4.03	4.38
12	4.10	2.65	3.44	4.88	2.82	3.84	4.20	1.87	3.15	---	4.12	---
13	4.67	2.59	3.70	4.55	2.62	3.67	3.86	2.23	3.21	5.22	4.04	4.54
14	5.10	2.60	3.72	4.59	2.54	3.68	3.68	2.37	3.14	4.98	3.73	4.45
15	5.16	3.04	4.15	4.58	2.68	3.72	3.67	2.75	3.27	5.31	3.32	4.43
16	5.16	3.13	3.85	---	3.00	---	---	3.03	---	5.53	3.38	4.49
17	4.21	2.26	3.15	5.49	3.38	4.08	4.53	2.74	3.60	5.80	3.34	4.54
18	4.26	2.55	3.35	5.26	3.64	4.64	5.26	2.84	4.16	5.61	3.27	4.48
19	4.20	3.08	3.66	5.26	3.72	4.39	5.45	2.93	4.37	6.09	---	---
20	4.02	3.24	3.72	4.57	3.11	4.04	5.50	3.35	4.32	5.94	3.71	4.83
21	5.38	3.58	4.59	4.31	2.34	3.41	5.13	3.15	4.10	5.98	3.99	4.98
22	4.69	1.91	3.52	4.63	2.38	3.56	5.42	2.95	4.15	4.49	3.80	4.23
23	4.84	1.84	3.69	4.41	2.35	3.40	5.40	3.06	4.30	4.33	3.44	3.93
24	4.56	2.45	3.52	4.42	2.21	3.34	5.89	3.55	4.74	4.36	3.53	3.91
25	4.75	2.31	3.63	4.39	1.98	3.29	5.06	3.88	4.46	3.70	3.26	3.51
26	5.28	2.83	4.09	4.65	2.33	3.54	4.92	3.72	4.41	3.75	2.88	3.43
27	4.91	2.81	3.93	5.01	2.92	4.09	4.79	4.11	4.47	4.32	3.04	3.77
28	5.01	2.82	3.82	4.92	3.24	4.08	4.68	3.99	4.31	4.29	2.75	3.61
29	---	---	---	4.63	2.86	3.32	4.76	3.97	4.45	4.15	2.43	3.32
30	---	---	---	---	1.93	---	5.16	3.86	4.59	3.90	2.02	3.13
31	---	---	---	2.80	2.14	2.48	---	---	---	3.92	1.99	2.96
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	1.90	---	5.41	3.58	4.55	4.36	2.65	3.49	5.67	4.32	4.99
2	---	---	---	5.51	3.51	4.54	4.04	2.81	3.51	5.57	3.96	4.76
3	---	---	---	5.35	3.40	4.37	3.80	3.21	3.62	5.58	3.95	4.72
4	---	---	---	5.94	3.45	4.25	4.03	3.23	3.58	5.61	3.57	4.65
5	---	---	---	4.82	3.50	4.25	4.05	2.72	3.43	5.76	3.63	4.73
6	---	---	---	4.74	3.55	4.35	4.36	2.27	3.40	5.81	3.75	4.83
7	4.40	---	---	5.10	4.10	4.59	4.23	2.27	3.14	5.70	3.80	4.81
8	4.17	3.11	3.67	5.06	3.79	4.41	4.71	2.36	3.66	5.91	3.87	4.83
9	3.90	---	---	5.00	3.36	4.22	4.99	2.62	3.87	5.48	3.88	4.71
10	---	2.81	---	4.88	2.76	3.90	4.98	2.74	3.90	5.15	3.96	4.59
11	---	---	---	5.11	2.72	3.95	4.94	2.79	3.81	5.02	4.28	4.62
12	---	---	---	5.20	---	---	5.15	2.84	4.14	4.99	4.34	4.76
13	---	---	---	---	---	---	4.87	3.22	3.92	5.05	4.42	4.68
14	---	2.44	---	---	---	---	4.74	3.31	4.03	5.01	4.01	4.51
15	5.03	2.50	3.75	---	---	---	5.62	3.13	4.44	5.00	4.01	4.46
16	---	---	---	---	---	---	4.49	3.91	4.23	5.33	4.13	4.61
17	5.56	---	---	---	---	---	4.45	3.66	4.09	5.06	3.91	4.46
18	---	---	---	---	---	---	4.34	3.57	3.91	5.13	3.91	4.53
19	---	---	---	---	---	---	4.42	3.24	3.79	5.09	3.35	4.25
20	4.13	3.24	3.82	---	3.13	---	4.30	3.30	3.89	4.88	3.64	4.22
21	4.23	3.24	3.66	3.71	2.91	3.28	4.88	3.68	4.31	5.70	3.91	4.94
22	4.02	3.36	3.68	3.59	---	---	5.23	3.78	4.58	5.89	3.68	4.76
23	4.33	3.27	3.75	---	2.22	---	5.42	3.75	4.67	5.42	3.73	4.66
24	4.42	3.48	4.01	4.65	2.48	3.61	5.41	3.59	4.58	5.54	4.00	4.81
25	5.23	3.35	4.36	4.72	2.55	3.72	5.32	3.51	4.47	5.92	4.29	5.10
26	4.79	3.28	4.04	4.81	2.73	3.84	5.19	3.47	4.24	5.77	4.78	5.16
27	4.92	3.02	4.05	4.77	2.78	3.81	5.38	3.51	4.48	5.43	4.18	4.80
28	5.36	3.38	4.49	4.83	2.61	3.81	5.09	3.65	4.45	4.99	3.78	4.35
29	5.61	3.48	4.56	4.71	2.61	3.66	5.44	4.13	4.93	5.22	3.65	4.43
30	8.24	3.42	5.77	4.52	2.60	3.73	5.30	4.61	5.01	5.63	3.76	4.55
31	---	---	---	4.47	2.60	3.54	5.83	4.83	5.29	---	---	---

301104089253400 USCG ST JOSEPH ISLAND LIGHT 22--Continued

Specific conductance, water, unfiltered, microseimens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	15000	12600	14400	---	---	---	---	---	5500	---	---	6930
2	17600	13800	15400	---	---	---	---	---	5800	---	---	4700
3	---	---	---	---	---	---	---	---	5980	---	---	2950
4	---	---	---	---	---	---	---	---	8140	---	---	2300
5	---	---	---	---	---	---	---	---	10400	---	---	2570
6	---	---	---	---	---	---	---	---	10900	---	---	2680
7	---	---	---	---	---	---	---	---	8520	---	---	5480
8	---	---	---	---	---	---	---	---	7680	---	---	2500
9	---	---	---	---	---	---	---	---	13000	---	---	3310
10	---	---	---	---	---	---	---	---	17100	---	---	6830
11	---	---	---	---	---	---	---	---	14100	---	---	9070
12	---	---	---	---	---	---	---	---	16300	---	---	12600
13	---	---	---	---	---	---	---	---	20200	---	---	12900
14	---	---	---	---	---	---	---	---	6620	---	---	11100
15	---	---	---	---	---	---	---	---	5560	---	---	10600
16	---	---	---	---	---	---	---	---	5360	---	---	10900
17	---	---	---	---	---	---	---	---	5400	---	---	5880
18	---	---	---	---	---	---	---	---	---	---	---	4220
19	---	---	---	---	---	---	---	---	14600	---	---	4870
20	---	---	---	---	---	3120	---	---	11700	---	---	5720
21	---	---	---	---	---	3240	---	---	8400	---	---	6460
22	---	---	---	---	---	3750	---	---	8790	---	---	7820
23	---	---	---	---	---	4410	---	---	14200	---	---	13500
24	---	---	---	---	---	4070	---	---	16900	---	---	14100
25	---	---	---	---	---	4080	---	---	7080	---	---	13100
26	---	---	---	---	---	4400	---	---	6780	---	---	15800
27	---	---	---	---	---	6590	---	---	5910	---	---	17900
28	---	---	---	---	---	7380	---	---	4710	---	---	17900
29	---	---	---	---	---	5540	---	---	4020	---	---	18900
30	---	---	---	---	---	3990	---	---	4930	---	---	19800
31	---	---	---	---	---	---	---	---	12900	---	---	20600

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	19500	---	---	3230	---	---	2950	10100	7510	9030
2	---	---	17900	---	---	1540	---	---	2660	9770	5320	8560
3	---	---	17100	---	---	1230	---	---	2730	11200	4140	7310
4	---	---	21700	---	---	2660	---	---	3800	10300	2900	7970
5	---	---	25900	---	---	1730	---	---	4030	9970	6460	8540
6	---	---	28900	---	---	819	---	---	6640	10600	7140	9080
7	---	---	26400	---	---	810	---	---	9140	11300	9010	9750
8	---	---	19200	---	158	372	---	---	10000	14700	4910	10100
9	---	---	19800	---	---	624	---	---	---	12200	7970	9870
10	---	---	21000	---	---	368	---	---	3060	12100	7940	9240
11	---	---	18400	---	---	567	---	---	3040	8870	2990	4900
12	---	---	17400	---	---	612	---	---	2750	8970	4460	6400
13	---	---	17300	---	---	654	---	---	2590	14600	5960	9600
14	---	---	17200	---	---	592	---	---	2250	11900	6710	10100
15	---	---	18600	---	---	609	---	---	2080	13100	6300	9900
16	---	---	21000	---	---	676	---	---	4160	12900	5470	9090
17	---	---	15100	---	---	1100	---	---	6450	11700	6640	10000
18	---	---	11800	---	---	1600	13500	3050	9820	12800	5940	9700
19	---	---	11900	---	---	2790	16600	9260	13100	15800	7400	11500
20	---	---	12800	---	---	1070	16800	7890	12600	15000	8590	12100
21	---	---	20300	---	---	641	13000	8410	10400	18400	11500	14000
22	---	---	17200	---	---	974	12500	5080	8320	16200	11400	13500
23	---	---	6930	---	---	1420	15200	4100	9050	16200	12300	13200
24	---	---	6550	---	---	1450	14400	7570	10500	15300	12500	13500
25	---	---	5960	---	---	1870	11600	5760	7550	12500	8650	10100
26	---	---	5560	---	---	2140	10100	4920	7150	14200	9460	11500
27	---	---	5020	---	---	2720	10000	4790	8660	20000	9030	16700
28	---	---	3900	---	---	4020	8450	3480	5650	18200	11500	15300
29	---	---	---	---	---	4930	7500	3790	5690	16600	7860	12500
30	---	---	---	---	---	---	11300	5670	8140	13100	7030	9600
31	---	---	---	---	---	2430	---	---	---	7850	4660	6570

301104089253400 USCG ST JOSEPH ISLAND LIGHT 22--Continued

Specific conductance, water, unfiltered, microseimens per centimeter at 25 degrees Celsius--Continued
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	4480	---	21200	12500	17300	16900	12200	14600	31600	25100	29000
2	---	---	---	13000	7880	10700	16500	11600	14100	29500	22500	26400
3	---	---	---	9970	5930	8390	13200	10600	12500	28000	22100	25500
4	---	---	---	8020	4860	6400	15600	11000	12600	27500	20900	24500
5	---	---	---	5670	4070	4570	16800	9340	13200	26800	20900	23800
6	---	---	---	5180	2180	3390	19500	11800	15800	27000	21000	23700
7	20100	14000	17600	4950	2510	3930	24700	11400	17800	28200	21400	24600
8	19500	11200	17100	4400	1290	3320	26500	12100	22600	28700	22600	25200
9	16200	8910	13600	3370	1170	2520	25800	19900	24000	26700	22300	24100
10	---	---	---	2990	1900	2330	26000	21300	24700	25600	21800	23700
11	---	---	---	2990	2190	2500	26600	22200	24600	24600	23200	23600
12	---	---	---	3020	2290	2540	26300	17900	24200	24100	23300	23700
13	---	---	---	---	---	---	25600	18600	23200	24400	23000	23900
14	---	---	---	---	---	---	26400	20400	23500	24400	21300	23200
15	20400	13900	17600	---	---	---	27100	22100	25000	24700	20200	23000
16	---	---	---	---	---	---	26700	24000	25300	24400	20500	22500
17	---	---	19300	---	---	---	27400	18700	24200	23500	19500	21700
18	---	---	---	---	---	---	24200	15300	19400	24000	18200	21800
19	---	---	---	---	---	---	22000	16900	19300	22500	14800	19700
20	17100	---	---	2680	1900	2300	23400	19700	21400	22400	16000	18500
21	17600	8200	13300	4330	1670	2440	25400	21500	23600	25400	17100	22300
22	17300	9620	14200	4520	3110	---	26600	22100	25000	24700	19100	22200
23	18600	12400	14900	---	6570	---	27500	23900	26100	23700	19200	21200
24	18500	13200	16200	16600	8070	14000	28100	24800	26500	24900	18800	21900
25	20800	15000	19000	18400	12100	16600	27800	24100	26200	26300	20400	23200
26	19500	13700	18500	21000	15700	18800	27300	23800	25600	25700	22000	23900
27	19400	13200	17200	20600	14800	18500	27700	23200	25700	25600	23000	24400
28	19900	14100	17700	21000	15700	18500	28100	23700	25800	24700	21200	22800
29	21100	17400	19400	19100	15300	17300	30200	25200	27500	23400	19600	21400
30	22900	17100	20500	20000	14600	17900	31000	29500	30400	25900	20300	22300
31	---	---	---	17800	12600	15700	32300	30300	31400	---	---	---

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	27.3	26.3	26.8	---	---	---	13.8	12.6	13.3	14.0	13.2	13.5
2	27.6	26.6	27.1	---	---	---	14.0	12.3	13.3	13.4	12.9	13.2
3	---	---	---	---	---	---	14.4	13.3	13.8	12.9	11.4	12.1
4	---	---	---	---	---	---	15.2	14.2	14.7	12.1	11.1	11.6
5	---	---	---	---	---	---	15.1	13.2	14.1	12.1	11.2	11.6
6	---	---	---	---	---	---	13.2	12.5	12.7	12.2	11.6	11.9
7	---	---	---	---	---	---	12.5	11.4	12.0	12.0	10.9	11.4
8	---	---	---	---	---	---	12.0	11.5	11.8	11.3	10.3	10.7
9	---	---	---	---	---	---	11.9	11.5	11.7	12.3	10.6	11.3
10	---	---	---	---	---	---	11.7	11.4	11.6	12.6	11.9	12.2
11	---	---	---	---	---	---	11.9	11.0	11.5	12.0	10.6	11.2
12	---	---	---	---	---	---	11.6	11.0	11.2	10.9	9.8	10.3
13	---	---	---	---	---	---	11.9	11.5	11.7	10.6	9.4	9.8
14	---	---	---	---	---	---	12.0	11.2	11.6	10.7	9.2	9.9
15	---	---	---	---	---	---	12.5	11.3	11.9	10.3	9.2	9.6
16	---	---	---	---	---	---	13.6	11.6	12.5	10.7	9.6	10.0
17	---	---	---	---	---	---	14.3	12.2	12.9	9.9	8.6	9.1
18	---	---	---	---	---	---	14.1	13.4	13.8	8.8	8.2	8.5
19	---	---	---	---	---	---	14.8	14.0	14.4	9.1	7.9	8.5
20	---	---	---	---	---	---	14.8	13.8	14.1	9.8	8.5	9.0
21	---	---	---	16.9	16.2	16.5	15.0	13.5	14.0	10.9	9.3	10.0
22	---	---	---	16.7	15.7	16.1	15.7	14.2	14.6	11.6	10.3	10.7
23	---	---	---	15.7	14.8	15.3	15.5	14.9	15.2	10.3	8.6	9.5
24	---	---	---	15.7	14.5	15.1	16.0	15.2	15.7	8.6	7.0	7.7
25	---	---	---	15.9	15.9	15.7	15.2	13.3	14.0	7.8	7.0	7.3
26	---	---	---	16.2	16.2	16.1	13.3	12.0	12.6	7.5	7.1	7.3
27	---	---	---	16.4	14.9	15.7	12.9	11.4	12.2	8.4	7.1	7.6
28	---	---	---	14.9	14.1	14.5	13.6	11.4	12.3	8.8	7.5	8.1
29	---	---	---	14.8	13.7	14.1	14.0	11.6	12.7	10.3	8.4	9.1
30	---	---	---	14.2	13.6	13.8	14.0	12.7	13.4	10.6	9.4	10.2
31	---	---	---	---	---	---	14.6	13.8	14.2	10.7	10.0	10.3

301104089253400 USCG ST JOSEPH ISLAND LIGHT 22--Continued

Temperature, water, degrees Celsius--Continued
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	11.3	10.0	10.6	14.8	14.2	14.5	18.2	16.5	17.4	26.0	24.5	25.1
2	12.2	10.5	11.3	14.5	13.6	14.1	18.3	17.1	17.7	26.8	25.2	25.7
3	12.9	11.9	12.4	14.0	13.6	13.9	19.0	17.9	18.5	27.7	25.6	26.3
4	13.1	12.1	12.6	13.8	13.4	13.6	21.4	18.9	19.8	27.3	26.1	26.7
5	12.4	11.7	12.0	14.0	13.3	13.6	21.0	19.8	20.4	27.0	26.4	26.8
6	11.8	11.4	11.6	14.2	13.5	13.7	21.3	20.4	20.9	27.5	26.5	27.0
7	11.6	10.6	11.3	15.1	13.8	14.4	21.9	21.2	21.6	27.6	26.8	27.2
8	11.1	10.3	10.7	15.2	14.4	14.9	21.4	20.9	21.1	28.3	26.7	27.6
9	10.6	10.1	10.4	16.2	14.9	15.3	---	---	---	28.4	27.3	27.9
10	12.1	10.5	11.1	16.4	15.1	15.8	---	16.6	---	28.6	27.7	28.1
11	12.4	10.5	11.3	16.6	15.7	16.3	17.4	16.1	16.8	28.7	27.6	28.2
12	13.2	11.3	12.1	16.9	16.0	16.5	18.4	16.4	17.4	28.5	27.3	27.8
13	13.4	12.1	12.8	17.3	16.3	16.9	20.0	17.5	18.7	27.6	26.4	26.7
14	14.3	12.8	13.4	18.3	16.8	17.6	20.8	18.1	19.2	27.0	25.8	26.3
15	15.1	13.8	14.3	18.8	17.4	18.1	21.8	18.7	20.0	27.4	26.2	26.8
16	15.2	14.5	15.0	18.7	17.8	18.3	21.9	20.0	21.1	28.0	26.7	27.2
17	14.5	13.1	13.7	18.9	18.2	18.5	22.6	21.2	21.7	27.9	27.0	27.5
18	13.4	12.6	13.0	19.8	18.7	19.3	23.6	20.8	22.1	27.9	27.1	27.7
19	14.2	12.6	13.2	20.2	19.3	19.7	23.8	22.4	23.0	28.1	27.1	27.7
20	15.0	13.8	14.3	20.4	19.1	19.7	24.1	22.4	23.3	27.8	27.2	27.4
21	14.9	14.6	14.7	19.8	19.1	19.5	24.3	23.1	23.6	27.3	26.8	27.1
22	15.0	14.3	14.8	19.8	18.4	19.2	23.8	22.8	23.3	27.0	26.5	26.7
23	14.9	13.8	14.3	19.8	19.0	19.5	23.6	22.2	22.9	28.1	26.0	26.7
24	15.7	14.1	14.9	20.2	19.4	19.8	23.4	22.6	23.0	27.0	25.9	26.4
25	15.7	14.3	15.0	20.3	19.8	20.0	24.1	22.6	23.4	27.9	26.2	26.8
26	15.5	14.5	14.9	20.9	19.8	20.4	24.0	22.6	23.4	28.1	26.2	27.1
27	15.5	14.7	15.0	21.4	20.4	20.9	24.7	22.6	23.2	27.2	26.4	26.8
28	15.2	14.4	14.7	23.3	21.0	21.8	24.7	23.4	23.7	27.2	25.8	26.4
29	---	---	---	22.1	---	---	25.0	23.6	24.3	27.2	25.8	26.6
30	---	---	---	---	18.2	---	25.5	24.1	24.7	27.7	26.3	26.8
31	---	---	---	18.5	17.0	17.7	---	---	---	27.4	26.2	26.8
		JUNE			JULY			AUGUST			SEPTEMBER	
1	27.3	26.4	26.9	27.2	26.2	26.6	30.3	29.4	29.8	29.4	28.5	28.9
2	---	---	---	28.1	26.3	26.9	30.1	29.0	29.7	30.0	28.9	29.4
3	---	---	---	28.7	27.2	27.8	30.4	29.7	30.1	30.7	29.4	29.9
4	---	---	---	28.4	27.3	27.9	30.4	29.4	29.8	30.7	29.7	30.0
5	---	---	---	27.3	26.6	27.0	29.6	29.0	29.3	30.1	28.8	29.3
6	---	---	---	27.6	25.8	26.7	30.8	29.0	30.1	29.6	27.9	28.7
7	28.6	27.0	27.8	27.4	26.7	27.1	30.3	29.0	29.8	29.5	27.8	28.6
8	29.8	27.5	28.1	27.5	26.2	27.0	30.9	28.9	29.8	29.0	27.6	28.4
9	30.8	28.3	29.8	28.3	26.1	27.2	30.5	29.1	29.8	28.8	28.1	28.4
10	---	---	---	29.0	27.3	28.2	30.9	29.1	30.0	28.8	28.1	28.5
11	---	---	---	29.2	28.2	28.6	30.9	29.4	30.0	28.8	28.1	28.5
12	---	---	---	29.0	28.3	28.6	30.3	28.9	29.5	28.7	27.9	28.3
13	---	---	---	---	---	---	28.9	28.3	28.6	28.2	27.7	27.9
14	---	---	---	---	---	---	29.4	27.8	28.5	28.8	27.6	28.1
15	29.1	28.3	28.8	---	---	---	29.7	28.3	28.9	28.7	27.8	28.2
16	---	---	---	---	---	---	30.7	28.8	29.5	27.8	26.9	27.4
17	28.5	28.3	28.4	---	---	---	30.7	29.3	29.9	27.6	26.4	27.0
18	---	---	---	---	---	---	31.5	29.7	30.3	28.1	27.2	27.5
19	---	---	---	---	---	---	30.8	29.8	30.1	28.5	27.1	27.7
20	29.5	28.4	29.1	29.7	28.9	29.2	31.0	29.2	29.9	28.2	27.5	27.9
21	29.0	28.0	28.7	29.8	28.7	29.3	30.7	29.6	30.1	27.8	27.2	27.6
22	30.2	28.3	29.0	---	---	---	30.2	29.6	29.8	27.6	27.1	27.3
23	31.7	28.6	29.8	---	---	---	30.3	29.2	29.7	27.4	26.4	26.9
24	31.6	29.4	30.5	29.8	27.8	28.4	30.5	29.4	30.0	27.3	26.2	26.8
25	30.8	30.0	30.4	30.0	28.1	28.9	30.9	29.7	30.3	27.1	26.2	26.7
26	30.6	29.6	30.2	30.1	28.5	29.3	31.3	30.1	30.7	27.4	26.5	27.0
27	30.1	29.6	29.8	30.2	29.0	29.6	31.3	30.3	30.8	28.3	27.0	27.4
28	30.0	28.8	29.2	31.1	29.1	29.8	31.5	30.3	30.9	27.8	26.2	27.0
29	29.0	28.5	28.8	30.4	28.8	29.5	30.9	30.0	30.5	26.2	23.9	24.9
30	28.8	27.0	27.8	30.2	29.0	29.7	30.5	29.6	30.1	23.9	22.3	23.2
31	---	---	---	31.1	29.1	29.9	29.6	28.8	29.1	---	---	---

301429089145600 USCG MERRILL SHELL BANK LIGHT

LOCATION.--Lat 30°14'29", long 89°14'56", St. Stevens Meridian, Jackson County, Hydrologic Unit 03170009, on the USCG Merrill Shell Bank Light platform, 5 miles south of Pass Christian in the Mississippi Sound.

DRAINAGE AREA.--Not applicable (open water).

PERIOD OF RECORD.--Water years 1999-2000.

PERIOD OF DAILY RECORD.--
GAGE HEIGHT: August 1998 to current year.
SPECIFIC CONDUCTANCE: September 1998 to current year.
WATER TEMPERATURE: August 1998 to current year.

INSTRUMENTATION.--Submersible transducer and data-collection platform since August 1998. Datum of gage is NAVD of 1988. Water-quality monitor since August 1998.

REMARKS.--Gage height records fair. Specific conductance records good. Water temperature records good. Equipment destroyed by Hurricane Georges, September 28, 1998; reinstalled February 18, 1999. Equipment malfunction on September 25, 2002 due to Tropical Storm Isadore. Interruptions in the record were due to malfunctions of the instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--
GAGE HEIGHT: Maximum recorded, 7.68 ft, Sept. 27, 1998 (Hurricane Georges), but may have been higher during periods of instrument malfunction; minimum recorded, -2.36 ft, Apr. 8, 2000, but may have been lower during periods of instrument malfunction.
SPECIFIC CONDUCTANCE: Maximum recorded, 49,400 microsiemens, July 26, 2000, but may have been higher during periods of instrument malfunction; minimum recorded, 3,010 microsiemens, Mar. 21, 2001, but may have been lower during periods of instrument malfunction.
WATER TEMPERATURE: Maximum recorded, 32.8°C, Aug. 29, 1998, but may have been higher during periods of instrument malfunction; minimum recorded, 4.3°C, Jan. 4, 2001, but may have been lower during periods of instrument malfunction.

EXTREMES FOR CURRENT YEAR.--
GAGE HEIGHT: Maximum recorded, 3.94 ft, June 30, but may have been higher during periods of instrument malfunction; minimum recorded, -1.88 ft, Jan. 19, but may have been lower during periods of instrument malfunction.
SPECIFIC CONDUCTANCE: Maximum recorded, 44,400 microsiemens, Feb. 9, but may have been higher during periods of instrument malfunction; minimum recorded, 1,740 microsiemens, Mar. 13, but may have been lower during periods of instrument malfunction.
WATER TEMPERATURE: Maximum recorded, 31.9°C, June 23, but may have been higher during periods of instrument malfunction; minimum recorded, 6.3°C, Jan. 25, but may have been lower during periods of instrument malfunction.

Gage height, feet
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	0.56	-1.25	-0.15	2.11	-0.94	0.46
2	---	---	---	---	---	---	1.00	-1.04	-0.04	1.85	-0.54	0.15
3	---	---	---	---	---	---	1.38	-1.22	0.04	1.25	-1.67	-0.36
4	---	---	---	---	---	---	1.66	-0.73	0.41	1.35	-0.93	0.12
5	---	---	---	---	---	---	1.45	-1.41	-0.16	1.35	-1.11	-0.02
6	---	---	---	---	---	---	1.06	-1.28	-0.20	1.18	-0.75	0.10
7	---	---	---	---	---	---	1.06	-1.30	-0.22	0.76	-0.47	0.04
8	---	---	---	---	---	---	0.94	-1.09	-0.14	0.42	-0.63	-0.15
9	---	---	---	---	---	---	1.31	-0.32	0.40	0.67	-0.13	0.23
10	---	---	---	---	---	---	1.95	-0.02	0.75	0.63	-0.35	0.27
11	---	---	---	---	---	---	0.88	-0.43	0.31	0.78	-0.13	0.33
12	---	---	---	---	---	---	2.22	0.30	0.76	0.80	-0.34	0.30
13	---	---	---	---	---	---	2.22	-1.19	0.36	1.12	-0.10	0.46
14	---	---	---	---	---	---	0.44	-1.21	-0.42	1.14	-0.87	0.18
15	---	---	---	---	---	---	0.75	-0.61	0.03	1.25	-0.91	0.23
16	---	---	---	---	---	---	0.98	-0.84	0.05	1.33	-0.74	0.23
17	---	---	---	---	---	---	1.87	-0.89	0.37	0.83	-1.65	-0.56
18	---	---	---	---	---	---	2.01	-0.30	0.83	0.82	-1.00	-0.12
19	---	---	---	---	---	---	1.90	0.15	1.17	1.24	-1.88	-0.47
20	---	---	---	---	---	---	1.35	-1.32	0.02	1.24	-1.34	-0.22
21	---	---	---	1.31	-1.20	0.12	1.65	-1.05	0.20	1.09	-0.70	0.15
22	---	---	---	1.20	-1.14	-0.12	1.65	-0.91	0.24	1.20	-0.38	0.23
23	---	---	---	1.01	-1.08	-0.15	2.68	-0.20	0.95	0.10	-1.25	-0.60
24	---	---	---	1.16	-1.13	-0.06	2.68	-0.47	0.70	0.06	-0.64	-0.30
25	---	---	---	1.23	-0.78	0.20	0.12	-0.91	-0.42	0.70	-0.73	-0.04
26	---	---	---	1.21	-0.74	0.19	0.42	-0.26	0.05	1.06	-0.77	0.19
27	---	---	---	0.86	-0.77	-0.01	0.44	-0.01	0.20	1.06	-1.12	0.00
28	---	---	---	0.59	-0.68	0.00	0.63	-0.35	0.09	1.39	-0.93	0.20
29	---	---	---	0.42	-0.50	0.03	1.17	-0.75	0.22	1.66	-0.68	0.46
30	---	---	---	0.34	-0.65	-0.23	2.24	-0.55	0.78	1.61	-0.81	0.33
31	---	---	---	---	---	---	2.37	0.66	1.56	1.37	-0.77	0.22

301429089145600 USCG MERRILL SHELL BANK LIGHT--Continued

Gage height, feet--Continued
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1.15	-0.89	0.05	1.81	0.24	0.98	0.05	-0.81	-0.30	1.89	0.11	1.07
2	1.37	-0.91	0.12	1.49	-0.30	0.52	0.77	-0.11	0.30	1.53	-0.13	0.77
3	1.43	-0.29	0.55	1.72	0.33	0.98	1.01	0.16	0.57	1.57	-0.36	0.71
4	1.42	-0.94	0.18	2.06	0.95	1.44	1.50	0.34	0.91	2.00	-0.32	0.92
5	0.65	0.01	0.41	1.42	0.68	1.05	1.59	0.04	0.90	2.18	0.21	1.17
6	1.40	0.23	0.89	1.12	0.43	0.85	2.16	0.12	1.30	2.14	0.21	1.18
7	0.43	-0.17	0.18	1.67	0.11	1.05	1.88	-0.01	1.03	1.92	0.18	1.19
8	0.82	-0.21	0.22	1.69	0.16	1.01	2.42	-0.02	1.30	2.03	0.09	1.18
9	1.40	-0.18	0.72	1.33	-0.01	0.83	1.03	-1.19	-0.02	1.64	0.38	1.11
10	0.84	-0.34	0.30	1.50	-0.21	0.67	0.50	-1.69	-0.55	1.48	0.55	1.07
11	1.33	-0.60	0.39	1.64	-0.50	0.65	0.95	-1.42	-0.11	0.88	0.52	0.69
12	0.81	-0.50	0.22	1.72	-0.22	0.79	1.17	-1.24	0.12	1.02	0.29	0.58
13	1.41	-0.66	0.46	1.52	-0.44	0.65	0.78	-0.82	0.15	1.36	0.26	0.68
14	1.88	-0.61	0.50	1.61	-0.55	0.67	0.61	-0.64	0.11	1.21	-0.07	0.64
15	1.97	-0.13	0.94	1.60	-0.36	0.70	0.76	-0.24	0.26	1.60	-0.64	0.58
16	1.91	-0.04	0.65	2.79	-0.13	1.34	1.22	0.19	0.74	1.73	-0.56	0.61
17	1.09	-1.07	-0.05	2.70	0.44	1.27	1.38	-0.47	0.58	2.21	-0.72	0.76
18	1.09	-0.62	0.12	2.37	0.64	1.52	1.86	-0.41	0.77	1.82	-0.74	0.54
19	1.04	0.02	0.45	2.29	0.76	1.42	2.01	-0.36	0.97	2.39	-0.74	0.81
20	0.73	0.13	0.49	1.73	0.32	1.13	2.11	-0.21	0.90	2.02	-0.24	0.89
21	2.03	0.38	1.31	1.54	-0.72	0.47	1.83	-0.37	0.73	2.06	0.03	1.01
22	1.55	-1.43	0.47	1.73	-0.75	0.58	2.04	-0.57	0.72	1.48	0.06	0.82
23	1.72	-1.43	0.57	1.52	-0.75	0.45	1.96	-0.48	0.85	1.27	0.26	0.81
24	1.35	-0.69	0.35	1.50	-0.72	0.41	2.26	0.38	1.24	1.35	0.49	0.93
25	1.60	-0.77	0.44	1.50	-0.95	0.40	1.58	0.45	1.01	0.80	0.36	0.62
26	2.12	-0.40	0.91	1.78	-0.60	0.63	1.46	0.21	0.91	0.84	-0.17	0.47
27	1.66	-0.35	0.77	2.12	-0.06	1.14	1.26	0.67	0.94	1.12	-0.10	0.60
28	1.81	-0.41	0.65	2.07	0.38	1.19	1.12	0.52	0.79	1.20	-0.36	0.48
29	---	---	---	1.60	-0.19	0.33	1.21	0.43	0.88	1.13	-0.71	0.22
30	---	---	---	---	-0.92	---	1.60	0.37	1.00	1.03	-0.91	0.11
31	---	---	---	-0.04	-0.64	-0.37	---	---	---	0.98	-1.12	0.01
		JUNE			JULY			AUGUST			SEPTEMBER	
1	1.05	-1.03	0.00	2.13	0.13	1.17	1.25	-0.45	0.45	2.51	0.95	1.72
2	1.44	-0.86	0.38	2.28	-0.10	1.26	1.01	-0.26	0.51	2.36	0.60	1.47
3	1.60	-0.76	0.50	2.14	-0.10	1.10	0.82	0.27	0.66	2.38	0.60	1.43
4	1.82	-0.76	0.65	2.52	0.12	1.02	1.03	0.27	0.66	2.41	0.19	1.35
5	1.87	-0.35	0.94	1.52	0.18	1.00	1.12	-0.25	0.50	2.39	0.19	1.41
6	2.10	0.04	0.95	1.49	0.18	1.12	1.45	-0.58	0.44	2.62	0.36	1.53
7	1.34	0.03	0.73	1.79	0.87	1.35	1.25	-0.77	0.29	2.48	0.49	1.50
8	1.09	0.08	0.62	1.86	0.55	1.19	1.76	-0.71	0.62	2.34	0.45	1.46
9	0.87	0.15	0.45	1.82	0.08	1.00	2.05	-0.46	0.84	2.26	0.57	1.40
10	0.89	-0.22	0.37	1.75	-0.57	0.68	2.00	-0.35	0.85	1.85	0.79	1.28
11	1.24	-0.73	0.36	1.98	-0.66	0.73	1.98	-0.24	0.79	1.69	0.99	1.31
12	1.63	-0.85	0.50	2.09	-0.31	0.89	2.19	-0.11	1.14	1.75	1.10	1.44
13	1.76	-0.76	0.59	2.51	-0.31	1.05	1.90	0.14	0.89	1.83	1.14	1.42
14	2.09	-0.88	0.75	2.82	-0.17	1.34	1.69	0.07	0.89	1.78	0.72	1.24
15	2.02	-0.88	0.65	2.39	0.12	1.36	2.13	0.07	1.28	1.73	0.79	1.12
16	1.91	-0.83	0.66	2.03	-0.05	0.99	1.43	0.81	1.14	1.82	0.89	1.30
17	2.31	-0.69	0.95	1.75	-0.15	---	1.34	0.58	0.99	1.77	0.67	1.20
18	1.93	-0.10	0.93	---	---	---	1.29	0.50	0.85	1.88	0.65	1.27
19	1.76	0.13	0.86	---	---	---	1.38	0.15	0.71	1.90	0.12	1.02
20	1.20	0.11	0.67	---	---	---	1.22	0.30	0.78	1.63	0.36	1.02
21	1.25	0.23	0.69	---	---	---	1.74	0.52	1.12	2.46	0.67	1.66
22	1.02	0.36	0.71	---	---	---	2.07	0.57	1.39	2.84	0.35	1.54
23	1.33	0.37	0.77	---	---	---	2.33	0.53	1.47	2.14	0.47	1.39
24	1.52	0.50	1.02	---	---	---	2.27	0.29	1.35	2.31	0.87	1.55
25	2.17	0.57	1.33	---	---	---	2.15	0.21	1.22	2.77	1.14	1.80
26	---	0.40	---	---	---	---	1.97	0.13	1.00	2.17	1.43	1.88
27	2.07	0.00	1.14	---	---	---	2.22	0.33	1.25	2.10	0.94	1.58
28	2.57	0.50	1.56	---	---	---	1.86	0.47	1.22	1.86	0.33	1.01
29	2.75	0.47	1.62	1.66	-0.54	0.41	2.14	0.99	1.70	1.71	0.64	1.09
30	3.94	0.49	2.72	1.50	-0.62	0.60	2.14	1.33	1.75	1.99	0.67	1.27
31	---	---	---	1.57	-0.51	0.49	2.42	1.60	2.02	---	---	---

301429089145600 USCG MERRILL SHELL BANK LIGHT--Continued

Specific conductance, water, unfiltered, microseimens per centimeter at 25 degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	26600	15400	23600	27900	17000	22200
2	---	---	---	---	---	---	30500	21900	25900	25300	16200	19200
3	---	---	---	---	---	---	31200	23600	26600	17000	11400	15600
4	---	---	---	---	---	---	33100	24800	28300	21400	10200	16200
5	---	---	---	---	---	---	33100	23900	26800	24500	9540	17400
6	---	---	---	---	---	---	31100	23200	26300	26700	15700	19900
7	---	---	---	---	---	---	29900	23700	26200	23200	15700	19700
8	---	---	---	---	---	---	28400	23800	26000	17400	7250	13100
9	---	---	---	---	---	---	34900	24800	28100	28000	7350	13700
10	---	---	---	---	---	---	38000	26700	32300	33000	15900	23900
11	---	---	---	---	---	---	30700	24300	28000	34900	22800	30600
12	---	---	---	---	---	---	38600	25400	32100	37100	28500	33800
13	---	---	---	---	---	---	40100	26200	34700	38100	26200	32400
14	---	---	---	---	---	---	27600	21700	25000	36800	26500	30100
15	---	---	---	---	---	---	31500	24300	27600	33500	27800	30300
16	---	---	---	---	---	---	32800	16000	26700	33800	27500	30900
17	---	---	---	---	---	---	34300	16600	27200	30200	22600	25200
18	---	---	---	---	---	---	36100	24900	31100	30600	22900	26300
19	---	---	---	---	---	---	35800	28500	32200	31400	17300	21500
20	---	---	---	---	---	---	31800	24200	27500	27500	15300	23200
21	---	---	---	28100	13400	21300	30900	21500	26400	32400	17400	26300
22	---	---	---	25800	16300	19400	29900	20600	25300	34200	24300	30600
23	---	---	---	23200	14900	19000	32300	23000	27200	37400	29700	33100
24	---	---	---	25600	15600	20500	32300	24200	28400	37300	31800	35700
25	---	---	---	25500	16300	22200	27800	20500	24400	42000	27800	36200
26	---	---	---	26800	17500	23300	25300	20700	23200	42600	33700	39100
27	---	---	---	25700	18100	21900	26600	21800	23700	42600	35300	38900
28	---	---	---	27500	19600	23100	25100	17100	20600	43600	34800	39000
29	---	---	---	24000	18600	20700	29500	9380	19900	43300	36600	39700
30	---	---	---	19400	11100	14400	31800	13100	24300	41800	34900	37900
31	---	---	---	---	---	---	31600	27500	30100	41800	36000	37900

		FEBRUARY			MARCH			APRIL			MAY	
1	39400	35600	36800	24300	19000	21300	10400	3180	6180	22700	14700	20300
2	38400	26900	34600	22400	12000	15700	21900	9500	17300	21300	14300	18000
3	38900	27300	35800	25400	15600	18700	23800	18100	21500	20400	15300	17500
4	39000	33000	34900	28700	17500	22800	21500	15800	19400	20200	15000	17900
5	38000	35800	37300	18400	5960	13500	23300	15800	20300	23700	15200	18700
6	42100	36600	40300	19800	5060	10300	20900	14600	18200	23600	12400	17200
7	38500	35300	36800	24300	12300	20700	19100	15600	17200	23000	12500	17300
8	37200	33500	35100	20500	6270	14600	19000	13400	17200	23300	13400	18000
9	44400	32900	39300	15200	4190	11300	13800	11000	12900	21500	16000	18800
10	43400	33600	36000	15300	2490	8780	11800	8540	9820	21000	15700	17100
11	38500	33700	35900	18100	3550	10400	15700	3750	9280	18600	16300	17600
12	38000	32500	35700	15300	4230	12000	26000	6370	13900	19700	16700	18400
13	39900	31700	36000	12300	1740	7950	26300	9320	17400	18500	15800	17200
14	40100	33600	36400	10900	3530	6310	26300	10800	16600	18000	16700	17400
15	40200	33400	37100	14100	3440	8760	25200	10100	17200	20500	17200	18600
16	40300	33100	35300	15300	5310	11200	27200	12500	21500	22000	17200	19400
17	33800	31400	32600	15300	9090	12300	25700	12500	18500	23700	17200	20100
18	33400	31600	32500	14900	10000	13000	28200	13500	21200	23700	15200	19500
19	35200	29700	33100	15200	7920	13000	26800	19400	23600	23700	16700	20100
20	35900	29700	34000	12100	4960	8920	25900	19600	22600	23300	18700	21000
21	39800	33400	37500	8720	4590	6520	23300	19800	21300	22000	19800	20900
22	39100	19500	31800	12500	4460	8890	23300	18300	20500	22200	18100	20100
23	29900	18200	24800	14500	6390	10900	24100	18200	21400	21400	18100	20100
24	26300	18100	23300	12700	6550	10300	25800	21100	23300	22900	18700	20500
25	27800	20000	23900	14300	7250	11100	24300	20000	21800	23500	18500	20500
26	32300	20800	25700	15200	7800	11900	22500	19200	20500	26000	19400	21400
27	31700	20300	24300	20200	8890	15100	22500	18300	20900	24500	20800	23200
28	26400	19100	21700	20700	12600	16700	21100	16300	18400	25000	22800	24200
29	---	---	---	19500	---	14400	20600	17000	19200	26500	22800	24300
30	---	---	---	---	7100	---	20900	16400	19700	24700	21300	22900
31	---	---	---	9060	4260	6750	---	---	---	25000	15400	21200

301429089145600 USCG MERRILL SHELL BANK LIGHT--Continued

Specific conductance, water, unfiltered, microseimens per centimeter at 25 degrees Celsius--Continued
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	25000	14400	19800	24800	22600	23800	30100	24000	26800	34500	32900	33900
2	29000	17100	24700	24100	19900	22600	31200	24600	27200	34600	31900	33100
3	31300	19600	25400	20100	16900	18800	28400	23600	25400	33500	31500	32300
4	27700	18900	24700	18200	12600	15900	28200	22100	24800	32700	30800	31700
5	31800	23900	28600	13900	11600	12700	27600	19200	24000	32100	29500	30800
6	30600	27100	29200	12400	10100	11200	34700	23400	28200	32400	29900	30900
7	30600	26900	28200	12000	9250	10700	33900	23400	28700	32300	29900	30900
8	28400	25300	27400	12400	8610	10600	30400	27900	29000	32100	30000	30900
9	29200	22600	26000	12000	6300	9810	36200	28100	31600	31900	30200	31100
10	25500	18300	22400	9230	3870	6910	35000	29600	32600	31900	31000	31300
11	23500	18500	20900	17600	3980	8710	34900	30800	33000	31600	31000	31200
12	25100	18700	21600	15000	4500	9500	35700	31800	33900	31200	30200	31000
13	25300	19500	21900	13000	6190	9850	35700	31600	33800	31100	30500	30800
14	27100	19600	23400	14300	8380	11500	35700	32400	34000	31200	29200	30100
15	25400	20100	23300	15700	10600	12600	35700	32400	34500	30900	27100	29300
16	26800	21400	23900	16700	9540	13000	35100	32000	33400	31100	28200	29700
17	25300	22500	24200	---	9630	---	33600	31200	32300	29400	27700	28300
18	26600	22800	24800	---	---	---	33300	27600	31700	28800	27600	28200
19	29500	23200	26700	---	---	---	32300	26700	29600	29500	26500	28100
20	28400	24800	26700	---	---	---	31300	28000	30100	29300	26900	28200
21	25600	20100	23300	---	---	---	32000	30300	31400	30100	27400	28800
22	25500	21900	23500	---	---	---	33900	31100	32500	30800	27100	28900
23	25900	21000	24300	---	---	---	34700	31500	33200	30000	26800	28300
24	26400	24100	25500	---	---	---	34600	31300	32700	30000	26800	28200
25	25900	24900	25400	---	---	---	34100	31300	32600	30400	27300	29100
26	26000	24500	25200	---	---	---	33800	31400	32400	30200	28300	29400
27	25900	23600	25100	---	---	---	34200	31600	32900	29900	28300	29300
28	25300	23400	24800	---	---	---	34000	32200	33000	29400	27500	28300
29	25400	24600	24900	---	---	---	34700	32500	33800	29100	26400	27900
30	25100	23000	24200	28800	23900	25600	35000	34000	34500	30200	27000	28500
31	---	---	---	28100	23700	25800	34700	34200	34400	---	---	---

Temperature, water, degrees Celsius
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	14.0	12.8	13.5	14.1	13.5	13.7
2	---	---	---	---	---	---	14.1	12.7	13.4	13.8	13.0	13.5
3	---	---	---	---	---	---	14.5	13.6	14.0	13.0	12.0	12.4
4	---	---	---	---	---	---	15.4	14.3	14.8	12.3	11.3	11.7
5	---	---	---	---	---	---	15.4	13.7	14.5	12.5	11.2	11.9
6	---	---	---	---	---	---	13.7	12.3	12.7	12.8	11.8	12.3
7	---	---	---	---	---	---	12.6	11.8	12.2	12.0	11.2	11.6
8	---	---	---	---	---	---	12.4	11.7	12.0	11.4	10.6	11.0
9	---	---	---	---	---	---	12.2	11.6	11.8	12.3	10.9	11.5
10	---	---	---	---	---	---	12.1	11.5	11.8	13.2	12.1	12.6
11	---	---	---	---	---	---	11.8	11.1	11.6	12.1	10.8	11.7
12	---	---	---	---	---	---	12.0	11.4	11.7	11.7	10.3	10.8
13	---	---	---	---	---	---	12.3	11.7	12.0	10.5	9.2	9.9
14	---	---	---	---	---	---	12.0	11.2	11.6	10.3	9.2	9.7
15	---	---	---	---	---	---	12.2	11.4	11.8	10.1	9.3	9.7
16	---	---	---	---	---	---	12.3	11.5	12.0	10.4	9.6	9.9
17	---	---	---	---	---	---	12.8	12.0	12.4	9.7	8.8	9.1
18	---	---	---	---	---	---	13.9	12.6	13.1	8.8	7.8	8.3
19	---	---	---	---	---	---	14.4	13.4	14.0	8.8	7.9	8.4
20	---	---	---	17.1	---	---	14.4	13.8	14.1	10.7	8.4	9.0
21	---	---	---	17.5	16.3	16.9	14.4	13.6	14.0	11.6	9.3	10
22	---	---	---	17.4	16.0	16.4	15.2	14.3	14.7	11.2	10.2	10.7
23	---	---	---	16.0	14.9	15.5	15.3	14.9	15.1	10.4	8.6	9.2
24	---	---	---	16.0	15.1	15.5	16.3	15.2	15.7	8.8	7.3	8.0
25	---	---	---	16.5	15.6	16.0	15.2	13.4	14.3	8.6	6.3	7.8
26	---	---	---	16.9	16.2	16.6	13.5	12.5	13.0	8.4	7.4	7.9
27	---	---	---	16.9	15.2	15.9	12.7	12.1	12.4	8.5	7.4	8.0
28	---	---	---	15.2	14.1	14.7	12.8	12.1	12.5	9.0	7.8	8.4
29	---	---	---	14.3	13.4	14.0	13.1	11.9	12.5	9.8	8.8	9.2
30	---	---	---	14.1	13.6	13.8	13.7	12.9	13.3	10.6	9.8	10.2
31	---	---	---	---	---	---	14.2	13.5	13.9	10.7	10.1	10.4

301429089145600 USCG MERRILL SHELL BANK LIGHT--Continued

Temperature, water, degrees Celsius--Continued
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	11.3	10.3	10.7	15.1	14.9	15.0	17.9	16.3	16.9	26.4	24.6	25.3
2	12.1	10.8	11.4	15.2	14.7	14.9	18.3	17.0	17.7	26.8	25.5	26.1
3	12.4	11.8	12.1	14.9	14.1	14.4	19.2	17.6	18.5	27.4	25.9	26.4
4	12.9	12.2	12.5	14.2	13.8	14.0	21.2	18.6	19.4	27.5	26.4	27.0
5	12.4	11.1	11.6	15.2	14.0	14.5	21.2	19.8	20.2	27.1	26.4	26.8
6	11.6	11.3	11.5	15.5	14.3	14.8	21.2	20.0	20.7	27.6	26.6	26.9
7	11.3	10.5	10.9	17.5	14.7	15.5	21.6	21.1	21.3	27.7	26.8	27.3
8	10.6	9.8	10.3	16.3	15.0	15.6	21.1	20.4	20.9	27.9	27.1	27.4
9	10.7	9.9	10.4	16.1	15.1	15.7	20.4	17.4	18.8	28.2	27.5	27.8
10	11.6	10.4	10.8	16.2	15.4	15.7	17.7	16.3	16.7	28.5	27.9	28.1
11	11.4	10.7	11.0	16.8	15.6	16.2	17.2	16.2	16.6	29.0	27.9	28.3
12	12.0	11.0	11.4	16.9	16.5	16.7	18.7	16.7	17.4	28.3	27.4	27.8
13	12.6	11.9	12.2	17.7	16.8	17.1	18.8	17.4	18.0	27.6	26.3	26.8
14	13.2	12.2	12.8	18.5	17.2	17.6	20.1	18.7	19.1	27.2	26.0	26.5
15	14.4	12.8	13.7	18.7	17.5	18.0	22.4	19.2	20.2	27.3	26.4	26.8
16	15.0	13.9	14.6	18.6	18.1	18.3	22.1	20.4	21.2	28.0	26.7	27.3
17	14.6	12.9	13.6	19.0	18.2	18.6	22.8	21.0	21.9	28.0	27.2	27.6
18	13.6	12.3	13.0	19.8	18.9	19.4	23.0	21.4	22.2	28.3	27.1	27.6
19	14.3	12.8	13.4	21.1	19.2	19.8	23.3	22.1	22.8	28.0	27.2	27.6
20	14.5	13.5	14.1	21.0	19.7	20.4	23.8	22.8	23.3	27.8	27.2	27.6
21	14.5	14.2	14.3	19.9	19.1	19.4	24.3	23.5	23.8	27.4	27.0	27.3
22	14.7	14.4	14.6	20.0	18.7	19.2	23.9	23.1	23.6	27.1	26.4	26.7
23	14.8	14.2	14.4	19.9	19.0	19.3	23.6	22.8	23.3	27.7	25.6	26.2
24	15.2	14.2	14.6	20.1	19.2	19.6	23.3	22.8	23.0	27.2	25.5	26.4
25	15.5	14.8	15.2	20.0	19.6	19.8	24.3	22.9	23.3	27.4	25.8	26.7
26	15.3	14.8	14.9	21.3	19.8	20.3	24.4	23.3	23.8	28.0	26.6	27.1
27	15.4	14.9	15.1	21.2	20.2	20.7	24.5	22.7	23.4	27.1	26.3	26.8
28	15.3	15.0	15.1	22.0	20.8	21.3	24.8	23.1	24.0	26.9	25.8	26.3
29	---	---	---	21.8	---	20.9	24.9	24.0	24.4	26.8	25.9	26.2
30	---	---	---	---	17.1	18.2	25.6	24.4	24.9	27.6	25.8	26.5
31	---	---	---	17.6	16.2	16.8	---	---	---	27.5	26.1	26.7
		JUNE			JULY			AUGUST			SEPTEMBER	
1	27.7	26.5	26.9	27.3	26.5	26.8	29.7	29.3	29.5	29.4	28.6	28.9
2	28.1	26.9	27.5	28.0	26.9	27.2	30.0	29.3	29.5	29.9	29.0	29.4
3	27.7	27.1	27.4	28.0	27.2	27.5	30.6	28.9	29.5	30.4	29.3	29.9
4	27.9	27.0	27.4	28.4	27.3	27.6	31.2	29.1	29.9	30.4	29.8	30.0
5	27.7	26.9	27.4	27.3	26.9	27.0	30.6	29.5	29.9	29.9	29.0	29.4
6	27.4	27.0	27.2	28.1	26.7	27.2	30.0	28.8	29.5	29.5	28.6	28.9
7	28.8	26.8	27.3	27.9	27.4	27.6	29.7	28.6	29.1	29.0	28.5	28.8
8	29.7	27.4	28.2	28.3	27.4	27.8	29.9	28.8	29.2	28.8	28.0	28.4
9	30.4	27.6	29.0	29.1	27.7	28.2	30.4	28.7	29.2	28.6	28.1	28.4
10	29.6	28.8	29.2	29.2	28.4	28.7	30.6	29.3	29.9	28.7	27.8	28.2
11	29.2	28.2	28.5	29.2	28.5	28.8	30.3	29.6	30.0	28.5	27.8	28.1
12	28.2	27.8	28.0	29.5	28.5	28.9	30.3	28.7	29.3	28.4	27.6	28.0
13	28.2	27.5	27.9	29.8	29.0	29.3	28.8	28.3	28.6	28.4	27.6	28.0
14	28.9	27.7	28.2	29.4	28.4	29.0	29.3	28.0	28.6	28.6	27.7	28.0
15	28.8	28.1	28.4	29.5	28.1	28.7	29.5	28.5	28.9	28.4	27.8	28.1
16	29.1	27.9	28.4	30.3	28.8	29.2	30.1	28.9	29.4	27.8	26.8	27.3
17	28.8	28.0	28.4	30.1	29.3	---	30.3	29.1	29.7	27.2	26.4	26.9
18	29.4	27.7	28.4	---	---	---	31.6	29.5	30.3	27.9	27.0	27.3
19	29.0	28.3	28.8	---	---	---	31.3	30.2	30.6	28.5	27.2	27.8
20	29.3	28.5	28.8	---	---	---	31.1	30.0	30.4	28.2	27.7	28.0
21	29.2	28.4	28.9	---	---	---	30.6	29.8	30.1	28.0	27.6	27.8
22	30.4	28.6	29.3	---	---	---	30.1	29.6	29.8	27.8	27.0	27.5
23	31.9	29.2	30.1	---	---	---	30.5	29.4	29.8	27.2	26.5	26.9
24	31.0	29.8	30.4	---	---	---	30.5	29.5	30.1	27.2	26.6	26.9
25	30.7	29.8	30.3	---	---	---	31.1	30.0	30.6	27.2	26.3	26.8
26	30.5	29.5	29.9	---	---	---	31.1	30.4	30.8	27.4	26.5	27.0
27	30.2	29.4	29.8	---	---	---	31.4	30.5	30.9	27.6	27.0	27.2
28	29.4	28.8	29.1	---	---	---	31.5	30.5	30.9	27.3	25.7	26.7
29	28.8	28.4	28.6	29.9	---	---	31.2	30.3	30.7	25.7	23.9	24.6
30	28.4	27.0	27.8	29.6	29.2	29.4	30.7	29.7	30.2	23.9	22.6	23.2
31	---	---	---	29.9	28.8	29.4	29.7	28.9	29.2	---	---	---

TENNESSEE RIVER BASIN

03592718 LITTLE YELLOW CREEK EAST NEAR BURNSVILLE, MS

LOCATION.--Lat 34°50'10", long 88°17'14", in SE1/4 NW1/4 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 mi^2, 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.--No estimated daily discharges. Records good. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 3,180 ft^3/s, gage height, 19.12 ft was measured Mar. 16, 1973.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 700 ft^3/s, and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 4	1300	822	13.49	Apr. 7	0300	1,070	14.25
Nov. 5	1445	748	13.23	May 6	1545	*1,940	*16.22
Dec. 24	0515	999	14.05	May 17	1330	1,300	14.86
Feb. 15	1615	1,560	15.46	Sep. 22	0945	759	13.27
Feb. 22	0500	1,490	15.31				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77	18	18	118	36	89	37	21	16	13	14	6.4
2	30	17	19	54	34	66	33	30	19	12	11	6.6
3	18	29	19	48	39	55	32	22	28	11	11	15
4	305	35	149	39	106	48	31	20	18	10	12	18
5	113	318	176	37	44	47	35	18	16	11	15	9.5
6	37	134	61	33	81	58	65	1090	17	11	27	7.2
7	98	54	40	31	119	45	487	209	88	11	15	6.6
8	39	37	34	32	56	41	110	115	29	10	11	6.1
9	28	31	31	34	48	39	64	53	18	8.8	9.9	5.3
10	101	29	77	44	52	36	55	37	15	12	8.0	5.3
11	173	42	83	30	42	36	44	227	17	9.4	7.2	5.1
12	73	28	41	27	38	35	37	77	20	7.2	6.1	4.6
13	37	23	101	27	36	43	33	40	17	7.2	7.6	4.2
14	26	22	82	26	183	44	30	42	16	11	9.7	5.3
15	23	79	45	24	895	40	27	46	27	8.2	7.0	4.9
16	22	90	38	33	479	37	25	66	36	6.6	6.1	4.0
17	18	40	37	33	155	127	58	683	17	7.1	15	3.4
18	16	32	33	24	101	112	33	231	17	6.3	54	2.8
19	15	33	51	25	65	243	27	148	23	7.0	11	2.4
20	17	29	65	28	78	116	25	79	21	8.1	9.3	2.4
21	16	28	37	29	131	60	29	57	14	12	9.2	24
22	17	24	34	26	756	46	23	46	13	36	9.6	402
23	15	22	33	22	179	40	20	37	12	18	13	48
24	15	21	523	19	119	36	60	30	11	11	9.7	20
25	15	21	132	21	98	34	130	27	11	9.6	8.4	16
26	17	22	67	24	180	93	45	33	10	7.8	6.8	14
27	17	22	49	23	192	46	33	25	11	6.9	8.8	27
28	28	20	42	23	134	38	27	20	11	6.0	13	17
29	44	19	38	117	---	133	23	18	10	8.4	9.3	13
30	29	19	37	63	---	51	20	17	12	12	8.2	11
31	20	---	48	40	---	42	---	17	---	15	7.4	---
TOTAL	1499	1338	2240	1154	4476	1976	1698	3581	590	330.6	370.3	717.1
MEAN	48.4	44.6	72.3	37.2	160	63.7	56.6	116	19.7	10.7	11.9	23.9
MAX	305	318	523	118	895	243	487	1090	88	36	54	402
MIN	15	17	18	19	34	34	20	17	10	6.0	6.1	2.4
MED	26	28	42	30	100	46	33	40	17	10	9.7	6.6
CFSM	1.96	1.81	2.93	1.51	6.47	2.58	2.29	4.68	0.80	0.43	0.48	0.97
IN.	2.26	2.02	3.37	1.74	6.74	2.98	2.56	5.39	0.89	0.50	0.56	1.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2003, BY WATER YEAR (WY)

MEAN	17.2	44.0	64.8	72.5	70.7	75.6	60.0	53.6	23.9	13.2	10.8	13.9
MAX	59.2	146	301	246	185	246	164	281	103	55.7	67.3	67.7
(WY)	2002	1978	1983	1974	1990	1980	1991	1991	1989	1994	1992	1979
MIN	3.13	10.9	14.8	13.3	24.6	28.8	11.3	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1973 - 2003	
ANNUAL TOTAL	21128.9		19970.0			
ANNUAL MEAN	57.9		54.7		43.2	
HIGHEST ANNUAL MEAN					79.2	1991
LOWEST ANNUAL MEAN					18.7	1988
HIGHEST DAILY MEAN	1850	Jan 23	1090	May 6	4910	Dec 26 1982
LOWEST DAILY MEAN	3.8	Sep 13	2.4	Sep 19	1.5	Sep 9 1984
ANNUAL SEVEN-DAY MINIMUM	4.1	Sep 9	3.6	Sep 14	2.1	Aug 30 2000
MAXIMUM PEAK FLOW			1940	May 6	unknown	Dec 26 1982
MAXIMUM PEAK STAGE			16.22	May 6	21.74	Dec 26 1982
INSTANTANEOUS LOW FLOW			2.2	Sep 20	1.5	Sep 9 1984
ANNUAL RUNOFF (CFSM)	2.34		2.22		1.75	
ANNUAL RUNOFF (INCHES)	31.82		30.08		23.78	
10 PERCENT EXCEEDS	97		114		76	
50 PERCENT EXCEEDS	26		28		19	
90 PERCENT EXCEEDS	5.7		8.2		5.1	

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 mi^2.

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 NGVD of 1929 (levels by U. S. Army Corps of Engineers). Nov. 23, 1936 to May 31, 1937, nonrecording gage at same site at datum 5.33 ft higher. Sept. 24, 1938 to Mar. 16, 1939, nonrecording gage, Mar. 17, 1939 to Aug. 25, 1952, water-stage recorder, and Aug. 26, 1952 to June 22, 1953, nonrecording gage, all at same site. Sept. 24, 1938 to Sept. 30, 1952, at datum 5.00 ft higher.

REMARKS.--Estimated daily discharges: Nov. 1-3 and Mar. 30. 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 11	0915	16,900	25.35	Feb. 22	2315	19,900	25.84
Dec. 24	2215	16,900	25.34	May 6	2330	15,700	25.13
Feb. 16	0615	17,100	25.38	May 18	0715	*25,200	*26.63

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	389	e270	169	2050	478	1390	440	358	294	154	367	190
2	288	e220	155	1150	430	1120	411	384	283	139	237	262
3	224	e300	160	898	439	934	393	326	481	121	1150	876
4	2970	964	3520	699	2220	845	383	321	334	125	1910	643
5	2470	5290	7200	629	899	809	1910	288	272	104	413	260
6	613	6820	2540	553	3930	901	1040	10500	281	100	4200	159
7	450	2160	969	492	6160	775	6570	11500	434	203	6440	135
8	372	840	721	485	1520	690	2640	4060	315	121	1800	126
9	362	604	599	479	939	645	1010	1370	248	103	572	116
10	5070	513	609	485	967	579	800	737	208	103	370	109
11	15300	509	643	428	785	547	689	2390	253	103	286	103
12	5950	419	516	393	651	523	573	1200	590	88	231	99
13	2000	337	1440	382	561	1240	503	623	331	782	561	97
14	850	307	1370	375	1570	1510	446	4900	249	2450	737	120
15	597	442	739	353	9550	830	394	6560	265	410	324	106
16	484	912	579	375	15100	679	361	3550	449	220	256	93
17	376	498	512	467	5300	660	432	12900	662	174	189	89
18	313	371	445	364	2000	814	425	21700	1910	142	168	88
19	279	363	796	358	1130	4060	338	7170	675	252	411	85
20	365	364	1520	363	1890	2430	319	2440	432	418	229	83
21	322	327	712	378	3480	1010	744	1240	266	161	175	93
22	272	282	550	359	15100	789	459	1010	194	127	159	4110
23	225	237	516	308	13000	682	306	846	167	132	134	2120
24	201	222	13000	270	3590	602	1540	709	148	117	122	538
25	187	211	9180	309	1960	550	7110	587	136	99	109	331
26	206	229	2690	301	4460	986	3260	548	177	91	105	251
27	246	238	1120	292	5240	808	1030	481	301	84	101	211
28	422	206	852	293	2500	625	643	418	181	79	528	174
29	569	189	739	670	---	591	509	381	146	149	170	145
30	632	189	669	900	---	e530	421	345	131	1210	133	134
31	391	---	720	565	---	480	---	334	---	596	184	---
TOTAL	43395	24833	55950	16423	105849	29634	36099	100176	10813	9157	22771	11946
MEAN	1400	828	1805	530	3780	956	1203	3231	360	295	735	398
MAX	15300	6820	13000	2050	15100	4060	7110	21700	1910	2450	6440	4110
MIN	187	189	155	270	430	480	306	288	131	79	101	83
MED	389	350	721	393	1980	789	506	846	276	132	256	134
CFSM	2.66	1.57	3.43	1.01	7.19	1.82	2.29	6.14	0.69	0.56	1.40	0.76
IN.	3.07	1.76	3.96	1.16	7.49	2.10	2.55	7.08	0.76	0.65	1.61	0.84

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2003, BY WATER YEAR (WY)

MEAN	158	702	1234	1511	1724	1796	1410	960	562	298	175	199
MAX	1400	3877	6915	5745	5856	6449	4492	4399	3673	1974	1446	1930
(WY)	2003	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1939 - 2003	
ANNUAL TOTAL	553647		467046			
ANNUAL MEAN	1517		1280		890	
HIGHEST ANNUAL MEAN					1945	1983
LOWEST ANNUAL MEAN					214	2000
HIGHEST DAILY MEAN	35700	May 4	21700	May 18	53800	Mar 22 1955
LOWEST DAILY MEAN	23	Sep 13	79	Jul 28	4.1	Oct 3 1938
ANNUAL SEVEN-DAY MINIMUM	26	Sep 9	91	Sep 15	4.3	Oct 3 1938
MAXIMUM PEAK FLOW			25200	May 18	85200	May 19 1983
MAXIMUM PEAK STAGE			26.63	May 18	29.37	Nov 30 2001
INSTANTANEOUS LOW FLOW			75	Jul 28	4.1	Oct 3 1938
ANNUAL RUNOFF (CFSM)	2.88		2.43		1.69	
ANNUAL RUNOFF (INCHES)	39.16		33.03		22.98	
10 PERCENT EXCEEDS	3390		3090		1870	
50 PERCENT EXCEEDS	393		450		196	
90 PERCENT EXCEEDS	45		134		26	

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 mi^2.

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 NGVD of 1929. Prior to Jan. 1, 1972, at datum 5.00 ft higher.

REMARKS.--Estimated daily discharges: Oct. 7-8, Nov. 1-3, 12-13, 24-30, Dec. 1-2, 9-12, Jan. 4, 16-22, Jun. 26, and Jul. 4-5, 8. 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Feb. 22	0915	*7,680	*22.46				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	430	e138	e109	665	221	1080	186	237	142	95	127	71
2	219	e119	e98	521	191	772	171	218	170	89	79	65
3	173	e162	87	401	235	566	162	266	256	74	85	112
4	1990	339	1200	e320	549	456	156	254	186	e68	411	88
5	971	1950	1640	307	371	412	362	480	169	e65	742	71
6	699	1410	1310	274	1160	444	555	6090	176	141	547	59
7	e400	1290	969	240	1540	374	1970	5390	176	90	571	54
8	e250	873	578	225	1130	335	1130	3090	151	e67	330	50
9	448	520	e340	223	792	306	834	1680	129	72	183	44
10	2380	311	e330	211	563	271	496	1140	113	73	125	41
11	3020	235	e320	193	448	256	364	1510	144	60	98	38
12	1520	e200	e300	178	364	243	303	1130	240	53	83	36
13	987	e180	535	172	303	351	267	933	181	67	107	41
14	566	152	585	167	577	342	235	2670	226	109	201	51
15	334	168	458	161	3090	282	214	1960	145	123	198	39
16	222	236	328	e168	3120	252	197	1470	161	78	119	36
17	171	272	271	e165	2040	249	246	3240	226	80	91	33
18	140	203	236	e162	1300	255	219	2060	209	84	72	32
19	132	204	646	e159	840	1110	190	1570	326	64	170	31
20	159	166	542	e156	997	815	182	1000	232	54	121	30
21	137	142	345	e152	2120	598	366	712	148	50	250	47
22	116	124	274	e148	6920	379	405	509	110	46	115	919
23	100	112	415	129	3960	305	278	400	93	44	73	551
24	92	e125	4490	114	2120	253	759	340	80	39	62	406
25	85	e121	2250	117	1460	228	1880	296	71	37	55	178
26	90	e123	1540	120	2190	466	1280	269	e70	33	47	122
27	84	e125	962	118	2070	358	938	235	183	31	56	103
28	107	e122	633	118	1590	287	545	211	99	31	104	90
29	161	e114	459	237	---	269	340	188	79	39	90	82
30	168	e114	391	327	---	232	273	168	76	253	62	69
31	140	---	380	282	---	205	---	156	---	204	59	---
TOTAL	16491	10350	23021	6930	42261	12751	15503	39872	4767	2413	5433	3589
MEAN	532	345	743	224	1509	411	517	1286	159	77.8	175	120
MAX	3020	1950	4490	665	6920	1110	1970	6090	326	253	742	919
MIN	84	112	87	114	191	205	156	156	70	31	47	30
CFSM	2.03	1.32	2.83	0.85	5.76	1.57	1.97	4.91	0.61	0.30	0.67	0.46
IN.	2.34	1.47	3.27	0.98	6.00	1.81	2.20	5.66	0.68	0.34	0.77	0.51

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2003, BY WATER YEAR (WY)

MEAN	84.0	283	594	603	710	786	711	470	259	125	86.4	108
MAX	532	2145	3396	2086	2204	2558	2545	2055	1632	752	487	1239
(WY)	2003	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1952 - 2003	
ANNUAL TOTAL	221736		183381			
ANNUAL MEAN	607		502		400	
HIGHEST ANNUAL MEAN					877	1983
LOWEST ANNUAL MEAN					123	1981
HIGHEST DAILY MEAN	10100	May 4	6920	Feb 22	25600	Dec 26 1982
LOWEST DAILY MEAN	30	Sep 12	30	Sep 20	5.1	Aug 26 1987
ANNUAL SEVEN-DAY MINIMUM	31	Sep 12	35	Sep 15	5.7	Aug 12 1954
MAXIMUM PEAK FLOW			7680	Feb 22	44100	Mar 21 1955
MAXIMUM PEAK STAGE			22.46	Feb 22	28.72	Mar 21 1955
INSTANTANEOUS LOW FLOW			29	Jul 27a	4.4	Sep 14 1954
ANNUAL RUNOFF (CFSM)	2.32		1.92		1.53	
ANNUAL RUNOFF (INCHES)	31.48		26.04		20.74	
10 PERCENT EXCEEDS	1530		1300		999	
50 PERCENT EXCEEDS	194		222		103	
90 PERCENT EXCEEDS	43		65		18	

e Estimated
a Also occurred on July 28,29 and Sept. 18,19,20,21.

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, De Soto County, Hydrologic Unit 08030204 at State Highway 178, about 7 miles east of Olive Branch, Mississippi.

DRAINAGE AREA.--191 mi^2.

PERIOD OF RECORD.--October 1996 to current year.

GAGE.--Water-stage recorder. Datum of gage is 280.00 ft above NGVD of 1929 (Mississippi Department of Transportation datum).

REMARKS.--Estimated daily discharges: March 30. Records good except for estimated daily discharges, which are poor.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,900 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 11	0800	*10,300	*12.34	Feb. 15	1900	4,440	9.91
Dec. 20	1015	9,480	12.07	May 18	1030	5,230	10.34

REVISIONS.--The maximum discharge for the 1997 water year has been revised to 6,280 ft^3/s, March 3, 1997, gage height, 10.84 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	244	67	70	170	84	474	118	77	78	62	188	77
2	100	61	67	205	79	264	97	78	77	66	181	72
3	80	70	65	181	78	184	88	83	95	66	247	88
4	271	108	196	147	91	150	83	78	113	63	267	134
5	338	382	356	122	109	136	86	278	88	60	171	133
6	508	455	424	109	170	146	158	1250	126	59	104	88
7	580	561	333	97	346	150	637	1870	447	62	160	75
8	388	582	147	91	389	125	742	1990	600	66	165	71
9	490	219	109	93	224	111	577	1400	148	61	100	68
10	2920	115	105	96	161	101	193	501	93	58	81	67
11	8250	126	121	97	147	93	139	358	82	57	74	66
12	4000	139	111	85	116	89	118	415	91	61	70	65
13	1710	107	230	78	97	93	102	459	103	87	69	133
14	853	85	283	78	907	118	93	530	86	237	70	109
15	219	87	247	77	3380	119	86	546	79	130	73	92
16	116	138	155	82	3160	100	82	895	82	78	70	71
17	92	165	116	103	1750	94	116	2030	94	72	69	67
18	79	115	103	100	974	95	123	4600	202	103	67	65
19	73	93	2150	80	470	178	98	3180	349	82	66	65
20	75	86	7450	79	301	263	88	1580	206	79	65	65
21	77	81	3650	88	488	266	88	767	111	71	64	67
22	71	77	1560	91	1400	136	85	261	80	70	62	155
23	67	74	802	79	2260	103	75	170	70	88	64	244
24	64	71	1000	67	1710	90	218	135	64	92	68	189
25	64	70	1580	60	936	85	304	117	62	75	66	99
26	71	70	1550	62	462	347	243	107	67	67	64	82
27	79	77	908	68	449	370	153	99	158	65	63	77
28	78	82	317	70	519	256	101	90	100	63	64	72
29	73	73	184	80	---	223	83	86	73	65	66	68
30	80	71	154	108	---	e310	76	80	65	103	70	66
31	76	---	146	101	---	200	---	78	---	143	72	---
TOTAL	22186	4507	24689	3044	21257	5469	5250	24188	4089	2511	3080	2790
MEAN	716	150	796	98.2	759	176	175	780	136	81.0	99.4	93.0
MAX	8250	582	7450	205	3380	474	742	4600	600	237	267	244
MIN	64	61	65	60	78	85	75	77	62	57	62	65
MED	92	86	230	91	419	136	102	358	92	67	70	74
CFSM	3.75	0.79	4.17	0.51	3.97	0.92	0.92	4.09	0.71	0.42	0.52	0.49
IN.	4.32	0.88	4.81	0.59	4.14	1.07	1.02	4.71	0.80	0.49	0.60	0.54

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2003, BY WATER YEAR (WY)

MEAN	216	206	378	307	463	473	253	289	132	80.8	80.2	158
MAX	716	747	1067	611	759	1082	379	780	396	123	111	470
(WY)	2003	2002	2002	1999	2003	1997	1999	2003	1997	1998	2002	2002
MIN	40.5	78.9	100	90.4	175	126	175	58.2	68.6	43.6	40.6	44.8
(WY)	2001	2000	2001	2000	2000	2001	2003	2001	2002	2001	2000	2000

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1997 - 2003	
ANNUAL TOTAL	136337		123060			
ANNUAL MEAN	374		337		252	
HIGHEST ANNUAL MEAN					415	2002
LOWEST ANNUAL MEAN					103	2000
HIGHEST DAILY MEAN	8250	Oct 11	8250	Oct 11	13400	Nov 30 2001
LOWEST DAILY MEAN	55	Jul 9	57	Jul 11	34	Sep 6 2000
ANNUAL SEVEN-DAY MINIMUM	56	Jun 22	60	Jul 5	35	Aug 31 2000
MAXIMUM PEAK FLOW			10300	Oct 11	14900	Nov 30 2001
MAXIMUM PEAK STAGE			12.34	Oct 11	13.60	Nov 30 2001
INSTANTANEOUS LOW FLOW			55	Jul 11,13	34	Sep 5 2000
ANNUAL RUNOFF (CFSM)	1.96		1.77		1.32	
ANNUAL RUNOFF (INCHES)	26.55		23.97		17.92	
10 PERCENT EXCEEDS	918		589		471	
50 PERCENT EXCEEDS	108		100		95	
90 PERCENT EXCEEDS	64		66		49	

e Estimated

07277700 HICKAHALA CREEK NEAR SENATOBIA, MS

LOCATION.--Lat 34°37'55", long 89°55'28", in SE¼ NW¼ 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 mi^2.

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 NGVD of 1929. September 4, 1942 to February 6, 1986, discharge measurements and gage height record at same site and datum in files of U.S. Army Corps of Engineers, Vicksburg District. Automatic pumping sediment sampler since February 1986.

REMARKS.--Estimated daily discharges: Oct. 31-Nov. 2, Nov. 22-26, Dec. 2-3, May 8-10, 12-13, July 14-28, Aug. 29-Sept. 9. 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.

EXTREMES FOR PERIOD OF DAILY RECORD.--
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: Peak discharges greater than base discharge of 9,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct. 10	1615	*17,800	*19.61	May 6	1000	14,400	18.42
Dec. 19	1445	16,800	19.25	May 17	1215	15,400	18.79

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 2,700 mg/L, May 17; minimum daily mean, 16 mg/L, Nov. 26-Dec. 3.
SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 87,700 tons, May 17; minimum daily, 1.7 tons, Nov. 30-Dec. 1.

07277700 HICKAHALA CREEK NEAR SENATOBIA, MS--Continued

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	e92	40	172	43	187	58	61	72	81	106	e40
2	52	e97	e46	115	41	151	51	59	88	79	115	e42
3	37	156	e49	94	43	124	45	52	81	74	2290	e55
4	863	149	1060	78	48	116	43	46	62	72	580	e56
5	153	2000	362	70	45	120	62	46	57	69	160	e48
6	68	359	105	63	348	122	112	6300	1030	70	286	e47
7	81	142	67	59	314	99	561	890	231	86	300	e46
8	49	97	51	57	100	93	146	e265	95	84	108	e45
9	41	78	41	57	82	81	96	e104	70	64	87	e45
10	11400	70	53	54	90	75	83	e70	59	63	81	44
11	3660	116	51	50	71	72	72	1020	55	62	74	43
12	382	64	36	49	58	68	66	e106	54	60	69	42
13	245	52	448	48	51	178	59	e50	50	172	72	88
14	216	49	156	49	1510	128	54	1480	45	e274	66	75
15	206	212	78	46	1480	84	50	395	60	e98	64	43
16	187	136	54	54	1050	72	50	522	80	e84	60	43
17	167	73	42	55	360	67	71	10200	560	e80	57	44
18	149	59	35	47	249	64	52	1450	820	e78	117	43
19	143	58	10600	46	212	203	46	453	417	e74	109	44
20	145	58	2730	47	282	96	47	276	133	e70	59	45
21	135	57	467	46	1100	70	46	219	103	e70	54	50
22	126	e53	304	45	2620	61	41	185	92	e66	51	427
23	120	e51	636	43	601	55	39	157	88	e63	50	83
24	118	e50	2880	42	289	51	252	138	84	e56	47	54
25	126	e50	457	43	209	50	996	128	82	e54	45	49
26	119	e48	237	43	715	227	146	116	191	e53	44	47
27	109	44	171	41	760	93	85	107	195	e53	43	44
28	113	42	137	42	279	68	67	98	91	e55	42	42
29	112	41	117	47	---	387	58	92	82	182	e41	41
30	94	40	98	45	---	104	53	85	80	489	e41	40
31	e90	---	89	44	---	70	---	79	---	217	e40	---
TOTAL	19561	4593	21697	1791	13050	3436	3607	25249	5207	3152	5358	1855
MEAN	631	153	700	57.8	466	111	120	814	174	102	173	61.8
MAX	11400	2000	10600	172	2620	387	996	10200	1030	489	2290	427
MIN	37	40	35	41	41	50	39	46	45	53	40	40
CFSM	5.21	1.27	5.78	0.48	3.85	0.92	0.99	6.73	1.43	0.84	1.43	0.51
IN.	6.01	1.41	6.67	0.55	4.01	1.06	1.11	7.76	1.60	0.97	1.65	0.57

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2003, BY WATER YEAR (WY)

MEAN	103	142	309	277	322	295	215	181	176	119	77.3	84.0
MAX	631	630	719	664	1040	591	1052	814	748	587	225	292
(WY)	2003	2002	2002	1989	1990	2002	1991	2003	1989	1989	1993	2002
MIN	30.7	34.7	59.5	36.9	88.4	73.7	33.9	31.8	25.5	29.9	27.2	26.7
(WY)	1989	2000	1990	2000	1992	1986	1986	1986	1988	1986	1988	1987

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1985 - 2003	
ANNUAL TOTAL	110944		108556			
ANNUAL MEAN	304		297		198	
HIGHEST ANNUAL MEAN					319	2002
LOWEST ANNUAL MEAN					72.0	2000
HIGHEST DAILY MEAN	11400	Oct 10	11400	Oct 10	12300	Feb 3 1990
LOWEST DAILY MEAN	27	Feb 18	35	Dec 18	22	Jul 6 1988
ANNUAL SEVEN-DAY MINIMUM	36	Aug 4	41	Aug 27	22	Jul 6 1988
MAXIMUM PEAK FLOW			17800	Oct 10	19100	Feb 3 1990
MAXIMUM PEAK STAGE			19.61	Oct 10	19.91	Feb 3 1990
ANNUAL RUNOFF (CFSM)	2.51		2.46		1.64	
ANNUAL RUNOFF (INCHES)	34.11		33.37		22.28	
10 PERCENT EXCEEDS	434		435		281	
50 PERCENT EXCEEDS	59		74		52	
90 PERCENT EXCEEDS	37		43		34	

e Estimated

07277700 HICKAHALA CREEK NEAR SENATOBIA, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY)
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

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	55	31	4.4	e92	20	e5.0	40	16	1.7
2	52	25	3.6	e97	20	e5.2	e46	16	e2.0
3	37	25	2.5	156	20	8.4	e49	16	e2.1
4	863	279	1160	149	20	8.1	1060	440	1910
5	153	75	34	2000	1060	10500	362	99	124
6	68	50	9.3	359	213	244	105	46	13
7	81	46	9.9	142	76	30	67	39	7.0
8	49	41	5.4	97	50	13	51	34	4.7
9	41	36	4.0	78	42	8.9	41	32	3.6
10	11400	1470	54600	70	40	7.7	53	46	6.7
11	3660	406	6670	116	47	15	51	32	4.5
12	382	84	89	64	35	6.2	36	30	2.9
13	245	54	36	52	32	4.6	448	331	507
14	216	44	26	49	33	4.3	156	83	39
15	206	36	20	212	58	37	78	48	10
16	187	29	15	136	47	17	54	35	5.2
17	167	28	12	73	39	7.6	42	29	3.3
18	149	27	11	59	35	5.6	35	26	2.5
19	143	27	10	58	33	5.1	10600	2480	76700
20	145	27	10	58	30	4.7	2730	666	7350
21	135	26	9.6	57	27	4.2	467	213	276
22	126	26	8.9	e53	25	e3.6	304	139	115
23	120	25	8.2	e51	23	e3.2	636	552	3670
24	118	25	7.9	e50	20	e2.7	2880	1010	12200
25	126	24	8.2	e50	18	e2.4	457	152	201
26	119	23	7.5	e48	16	e2.1	237	59	39
27	109	23	6.7	44	16	1.9	171	49	22
28	113	22	6.7	42	16	1.8	137	45	17
29	112	21	6.5	41	16	1.8	117	42	13
30	94	21	5.3	40	16	1.7	98	39	10
31	e90	20	e4.9	---	---	---	89	37	8.8
		JANUARY			FEBRUARY			MARCH	
1	172	67	33	43	35	4.1	187	68	35
2	115	44	14	41	37	4.1	151	49	20
3	94	36	9.1	43	39	4.5	124	41	14
4	78	30	6.4	48	41	5.3	116	44	14
5	70	27	5.0	45	42	5.2	120	63	21
6	63	24	4.0	348	400	695	122	57	19
7	59	22	3.4	314	345	356	99	33	8.9
8	57	23	3.6	100	126	35	93	32	8.0
9	57	25	3.9	82	53	12	81	31	6.8
10	54	28	4.0	90	36	8.7	75	31	6.2
11	50	30	4.0	71	32	6.1	72	30	5.9
12	49	32	4.2	58	28	4.5	68	30	5.5
13	48	34	4.4	51	33	4.5	178	153	110
14	49	36	4.7	1510	2320	21700	128	121	45
15	46	38	4.6	1480	1490	8070	84	68	15
16	54	37	5.4	1050	624	1850	72	45	8.9
17	55	36	5.3	360	311	310	67	37	6.8
18	47	35	4.4	249	200	135	64	41	7.0
19	46	33	4.2	212	164	94	203	166	102
20	47	32	4.1	282	762	638	96	98	26
21	46	31	3.9	1100	684	2620	70	70	13
22	45	30	3.7	2620	1760	16000	61	54	8.9
23	43	29	3.4	601	277	534	55	46	6.9
24	42	29	3.3	289	100	80	51	40	5.6
25	43	29	3.4	209	85	48	50	39	5.3
26	43	30	3.4	715	633	1540	227	246	181
27	41	30	3.3	760	719	1690	93	78	20
28	42	30	3.4	279	166	133	68	59	11
29	47	30	3.8	---	---	---	387	257	286
30	45	32	3.9	---	---	---	104	93	27
31	44	34	4.0	---	---	---	70	50	9.6

Remark codes:
e -- Estimated value

07277700 HICKAHALA CREEK NEAR SENATOBIA, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY)--Continued
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

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	58	35	5.5	61	61	12	72	26	5.1
2	51	25	3.4	59	73	12	88	50	14
3	45	23	2.8	52	60	8.4	81	45	10
4	43	23	2.6	46	53	6.7	62	28	4.7
5	62	50	8.7	46	46	5.7	57	25	3.9
6	112	107	99	6300	2630	63700	1030	1360	8390
7	561	297	553	890	1020	2810	231	206	152
8	146	74	31	e265	280	e200	95	83	21
9	96	48	12	e104	144	e50	70	60	11
10	83	43	9.6	e70	99	e19	59	39	6.3
11	72	40	7.8	1020	1030	4640	55	37	5.5
12	66	37	6.6	e106	196	e56	54	39	5.8
13	59	34	5.4	e50	73	e9.8	50	42	5.6
14	54	31	4.5	1480	696	5390	45	44	5.4
15	50	28	3.9	395	236	305	60	66	12
16	50	30	4.1	522	290	710	80	85	38
17	71	71	14	10200	2700	87700	560	508	2200
18	52	41	5.8	1450	457	2640	820	785	2200
19	46	30	3.7	453	140	182	417	462	892
20	47	26	3.3	276	78	59	133	114	41
21	46	24	3.0	219	65	39	103	91	25
22	41	22	2.4	185	60	30	92	83	21
23	39	23	2.4	157	55	24	88	80	19
24	252	379	380	138	50	19	84	78	18
25	996	1840	9100	128	45	16	82	76	17
26	146	171	75	116	41	13	191	116	84
27	85	95	22	107	36	10	195	104	64
28	67	68	12	98	31	8.1	91	61	15
29	58	44	6.9	92	26	6.4	82	50	11
30	53	38	5.4	85	22	5.0	80	45	9.6
31	---	---	---	79	24	5.1	---	---	---
	JULY			AUGUST			SEPTEMBER		
1	81	39	8.5	106	59	17	e40	47	e5.1
2	79	33	7.1	115	79	36	e42	48	e5.4
3	74	32	6.4	2290	1610	25400	e55	48	e7.2
4	72	32	6.3	580	380	931	e56	48	e7.3
5	69	33	6.1	160	99	44	e48	48	e6.2
6	70	39	7.5	286	177	404	e47	48	e6.1
7	86	67	16	300	134	135	e46	48	e6.0
8	84	66	15	108	75	22	e45	47	e5.7
9	64	56	9.7	87	55	13	e45	47	e5.7
10	63	54	9.2	81	48	11	44	47	5.6
11	62	52	8.8	74	42	8.5	43	47	5.5
12	60	50	8.0	69	37	6.9	42	47	5.3
13	172	124	125	72	31	6.0	88	114	35
14	e274	170	e185	66	26	4.7	75	140	29
15	e98	66	e17	64	26	4.5	43	130	15
16	e84	53	e12	60	26	4.2	43	127	15
17	e80	43	e9.4	57	26	4.0	44	125	15
18	e78	45	e9.5	117	61	45	43	123	14
19	e74	48	e9.6	109	60	20	44	122	14
20	e70	51	e9.6	59	43	6.8	45	120	15
21	e70	54	e10	54	43	6.2	50	119	16
22	e66	56	e10	51	43	6.0	427	243	361
23	e63	56	e9.5	50	44	6.0	83	63	15
24	e56	55	e8.4	47	44	5.7	54	36	5.2
25	e54	55	e7.9	45	45	5.5	49	32	4.3
26	e53	54	e7.6	44	45	5.4	47	31	4.0
27	e53	53	e7.5	43	46	5.4	44	30	3.6
28	e55	52	e7.6	42	46	5.3	42	28	3.3
29	182	134	91	e41	47	e5.2	41	27	3.0
30	489	170	301	e41	47	e5.2	40	25	2.8
31	217	94	61	e40	47	e5.1	---	---	---

Remark codes:
e -- Estimated value

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 mi^2.

PERIOD OF RECORD.--January 1996 to current year.

REVISIONS.--WDR MS-01-1.

GAGE.--Water-stage recorder. Datum of gage is 151.02 ft above NGVD of 1929 (Mississippi Department of Transportation datum).

REMARKS.--Estimated daily discharges: January 18,19, 22-25. 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 6,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 24	0630	7,090	20.42	May 6	0745	*13,200	*27.01
Feb. 22	0500	8,730	21.92	May 7	1515	8,820	22.00

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	241	63	42	873	82	290	59	35	75	51	35	36
2	191	59	42	276	71	209	55	34	74	39	33	50
3	135	87	43	172	74	170	54	304	124	33	33	66
4	1410	141	552	132	241	151	52	86	72	29	33	35
5	259	1440	521	115	109	142	52	1020	57	27	164	28
6	133	419	161	100	792	145	59	8100	98	51	91	25
7	227	177	104	87	684	128	405	4470	71	48	49	24
8	109	115	82	83	283	115	127	1390	48	39	35	23
9	554	90	70	81	210	108	89	845	38	36	28	22
10	2070	77	73	75	211	99	75	682	32	33	24	22
11	735	67	79	68	147	94	65	891	39	35	22	22
12	317	58	65	64	117	89	58	591	338	25	20	22
13	210	52	248	63	99	267	53	447	82	363	21	22
14	150	50	166	60	137	247	53	433	263	1380	21	23
15	125	55	101	58	1190	130	46	414	168	168	19	21
16	108	60	83	62	1230	107	43	329	107	99	19	20
17	97	51	74	63	404	96	43	943	68	76	18	19
18	91	47	67	e55	270	89	40	602	68	62	17	19
19	89	46	561	e55	199	133	39	380	51	54	16	19
20	103	44	435	55	323	105	39	295	43	71	24	19
21	91	44	165	56	1390	84	47	244	38	43	16	24
22	83	42	112	e55	5180	76	42	212	34	39	17	653
23	77	41	182	e53	1180	71	38	186	30	35	18	93
24	75	41	3940	e51	638	67	80	166	27	30	17	46
25	73	42	718	e49	696	64	102	164	28	28	16	34
26	73	44	424	47	1070	151	60	143	29	26	17	30
27	71	46	289	45	985	100	49	126	135	24	32	27
28	73	44	237	45	449	80	43	115	46	23	553	24
29	77	44	200	195	---	77	39	105	38	24	87	23
30	76	43	169	200	---	69	37	95	49	44	43	23
31	69	---	216	103	---	61	---	85	---	46	37	---
TOTAL	8192	3629	10221	3496	18461	3814	2043	23932	2370	3081	1575	1514
MEAN	264	121	330	113	659	123	68.1	772	79.0	99.4	50.8	50.5
MAX	2070	1440	3940	873	5180	290	405	8100	338	1380	553	653
MIN	69	41	42	45	71	61	37	34	27	23	16	19
MED	108	52	165	63	303	105	53	304	54	39	24	24
CFSM	2.24	1.03	2.79	0.96	5.59	1.04	0.58	6.54	0.67	0.84	0.43	0.43
IN.	2.58	1.14	3.22	1.10	5.82	1.20	0.64	7.54	0.75	0.97	0.50	0.48

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2003, BY WATER YEAR (WY)

MEAN	65.7	156	222	337	370	335	251	257	126	48.2	30.7	86.5
MAX	264	651	587	752	659	584	470	772	548	99.4	50.8	386
(WY)	2003	2002	2002	2002	2003	1997	2000	2003	1997	2003	2003	2002
MIN	6.75	16.1	28.5	49.5	113	123	68.1	26.9	29.7	12.1	9.27	8.27
(WY)	2001	2000	2000	2000	1999	2003	2003	2001	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1997 - 2003	
ANNUAL TOTAL	101580		82328			
ANNUAL MEAN	278		226		189	
HIGHEST ANNUAL MEAN					325	2002
LOWEST ANNUAL MEAN					78.9	2000
HIGHEST DAILY MEAN	7460	Jan 24	8100	May 6	11500	Nov 29 2001
LOWEST DAILY MEAN	15	Sep 13	16	Aug 19	5.4	Oct 31 2000
ANNUAL SEVEN-DAY MINIMUM	16	Sep 8	18	Aug 19	6.2	Oct 25 2000
MAXIMUM PEAK FLOW			13200	May 6	14000	Nov 29 2001
MAXIMUM PEAK STAGE			27.01	May 6	28.01	Nov 29 2001
INSTANTANEOUS LOW FLOW			14	Aug 27	5.2	Oct 31 2000
ANNUAL RUNOFF (CFSM)	2.36		1.91		1.61	
ANNUAL RUNOFF (INCHES)	32.02		25.95		21.81	
10 PERCENT EXCEEDS	506		448		396	
50 PERCENT EXCEEDS	73		73		44	
90 PERCENT EXCEEDS	18		24		13	

e Estimated

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 mi^2, 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 NGVD of 1929 (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 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14800	13900	12900	17800	16500	19200	12400	6150	12300	10300	9100	9250
2	14800	13700	12800	18100	16400	19100	12100	6300	11900	9580	9040	9150
3	14700	13700	12800	18300	16200	19100	11700	6490	11500	8800	9080	9070
4	14700	13900	13000	18400	16200	18900	11200	6690	10900	8730	9210	8920
5	14900	14700	13500	18400	16100	18900	10800	6890	10300	8720	9430	8530
6	14800	15500	13700	18300	16000	18800	10700	9300	9940	8740	9640	8280
7	14600	15700	13600	18300	16100	18700	12700	11900	9820	8820	9880	8260
8	14500	15600	13700	18200	16100	18700	13200	13000	9980	8780	10100	8280
9	14500	15400	13700	18200	15900	18600	13100	13600	10000	8800	10100	8330
10	14700	15100	13800	18200	15700	18400	12300	13900	9980	8760	10000	8330
11	15500	14900	13900	18200	15400	18300	11500	14300	9840	8790	9940	8280
12	16000	14700	13900	18100	15100	18100	11000	14500	10700	8760	9730	8210
13	16200	14600	14100	18100	14800	18000	10400	14500	11300	8720	9480	8160
14	16000	14500	14300	18000	14600	17800	9940	14400	11000	9210	9260	8120
15	15800	14400	14400	18000	14500	17700	9640	14200	10700	9980	9060	8090
16	15700	14300	14500	17900	14900	17400	9320	14000	10400	9950	8950	7970
17	15500	14200	14600	17800	15100	17200	9090	13800	10100	9730	8880	7830
18	15400	14100	14600	17700	15200	16900	8790	13900	9810	9330	8810	7770
19	15400	14000	14700	17600	15200	16600	8440	13900	10100	9030	8740	7770
20	15300	13900	15000	17600	15300	16200	8060	13900	10400	9070	8700	7840
21	15300	13800	15200	17500	15700	15800	7780	13800	10500	9240	8660	7990
22	15200	13700	15500	17400	17000	15500	7600	13800	10600	9350	8570	8660
23	15100	13600	15600	17300	17800	15200	7460	13800	10500	9400	8470	9460
24	15000	13500	16500	17200	18100	14800	7410	13700	10400	9380	8460	8940
25	14800	13400	17100	17100	18200	14500	7710	13700	10300	9280	8470	8280
26	14700	13300	17300	17000	18400	14200	8640	13600	10100	9150	8480	8190
27	14500	13200	17200	16900	18800	13800	8720	13500	10200	9050	8530	8250
28	14400	13100	17100	16800	19100	13500	8040	13300	10600	8930	9220	8310
29	14300	13000	17100	16800	---	13300	6960	13100	10600	8820	9570	8320
30	14200	12900	17200	16900	---	12900	6190	12900	10500	8780	9390	8300
31	14000	---	17300	16700	---	12700	---	12600	---	9020	9320	---
TOTAL	465300	424300	460600	548800	454400	518800	292890	383420	315270	283000	284270	251140
MEAN	15010	14140	14860	17700	16230	16740	9763	12370	10510	9129	9170	8371
MAX	16200	15700	17300	18400	19100	19200	13200	14500	12300	10300	10100	9460
MIN	14000	12900	12800	16700	14500	12700	6190	6150	9810	8720	8460	7770
CFSM	2.87	2.71	2.85	3.39	3.11	3.21	1.87	2.37	2.01	1.75	1.76	1.60
IN.	3.32	3.02	3.28	3.91	3.24	3.70	2.09	2.73	2.25	2.02	2.03	1.79

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2003, BY WATER YEAR (WY)

MEAN	6952	7722	9642	11570	12490	12470	9276	7191	6460	5262	5987	6542
MAX	15010	14140	17600	17700	17550	16740	16080	12910	11980	9228	9170	8928
(WY)	2003	2003	2002	2003	2002	2003	2002	2002	1997	1997	2003	2002
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1995 - 2003	
ANNUAL TOTAL	4775670		4682190			
ANNUAL MEAN	13080		12830		8444	
HIGHEST ANNUAL MEAN					12830	2003
LOWEST ANNUAL MEAN					3490	2000
HIGHEST DAILY MEAN	19500	Jan 27	19200	Mar 1	19500	Jan 27 2002
LOWEST DAILY MEAN	7570	Sep 18	6150	May 1	696	May 27 1996
ANNUAL SEVEN-DAY MINIMUM	7680	Sep 13	6520	Apr 29	829	Jan 22 2000
MAXIMUM PEAK FLOW			19200	Mar 1	19600	Jan 27 2002
MAXIMUM PEAK STAGE			32.11	Mar 1	34.19	Jan 27 2002
INSTANTANEOUS LOW FLOW			6100	Apr 30	576	Oct 3 2000
ANNUAL RUNOFF (CFSM)	2.51		2.46		1.62	
ANNUAL RUNOFF (INCHES)	34.03		33.36		21.97	
10 PERCENT EXCEEDS	17300		17800		15700	
50 PERCENT EXCEEDS	14100		13600		8060	
90 PERCENT EXCEEDS	8030		8400		2460	

07281960 YALOBUSHA RIVER AT VARDAMAN, MS

LOCATION.--Lat 33°51'58", long 89°10'23", in NE¼ NE¼ sec.15, T.14 S., R.1 E., Chickasaw 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 mi^2.

PERIOD OF DAILY RECORD.--
DISCHARGE: May 1998 to current year.
SUSPENDED SEDIMENT CONCENTRATION: October 1999 to current year.
SUSPENDED SEDIMENT DISCHARGE: October 1999 to current year.

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 267.42 ft above NGVD of 1929 (levels by Mississippi Department of Transportation). Automatic pumping sediment sampler since December 2001.

REMARKS.--Estimated daily discharge: Oct. 29-31. Discharge records good except for estimated daily discharges, which are poor. Satellite telemeter at station. Channel rectification was completed in 1967.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 1,380 mg/L, Jan. 18, 2001; minimum daily mean, 0 mg/L, for many days during Aug. to Sept. 2000
SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 12,600 tons, Dec. 13, 2001; minimum daily, 0 ton, for many days in water years 2000-2003.

EXTREMES FOR CURRENT YEAR.--
SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 1,260 mg/L, Feb. 6; minimum daily mean, 35 mg/L, Sept. 29-30.
SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 9,200 tons, May 6; minimum daily, 0 ton, Aug. 30.

07281960 YALOBUSHA RIVER AT VARDAMAN, MS--Continued

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	25	6.9	1040	70	126	17	4.7	1.4	24	1.00	0.15
2	20	15	6.0	265	47	71	13	3.4	2.0	10	6.5	0.18
3	18	287	5.7	98	55	45	11	3.6	31	6.4	33	0.88
4	859	484	987	54	415	33	9.9	3.1	11	4.7	20	0.69
5	355	3090	1220	38	120	30	274	670	4.4	104	236	0.47
6	57	1710	431	27	1110	469	916	5510	45	356	298	0.25
7	120	397	75	21	1020	165	5190	2970	410	53	283	0.20
8	84	68	44	19	231	65	1050	1280	84	21	34	0.21
9	26	40	30	18	91	41	94	231	15	14	14	0.14
10	447	26	84	16	362	28	54	44	7.1	11	8.1	0.13
11	923	38	99	14	140	22	36	1010	581	12	4.7	0.13
12	386	36	54	12	66	19	22	402	1830	8.7	3.8	0.11
13	47	22	435	11	40	72	16	48	525	37	4.3	0.29
14	21	17	315	10	77	194	13	2330	73	47	3.8	0.18
15	14	88	88	9.6	1170	55	10	1820	35	15	2.1	0.079
16	11	103	49	11	1190	33	8.2	712	149	7.9	0.90	0.30
17	8.6	41	35	12	369	105	7.2	1270	219	6.0	0.60	1.3
18	6.4	24	27	10	97	205	7.6	1110	1040	5.4	0.48	0.67
19	5.4	18	223	9.6	58	947	4.9	549	416	4.4	0.45	0.33
20	14	16	355	10	49	329	4.0	116	213	2.8	0.93	0.22
21	29	14	90	10	922	63	4.1	74	48	1.8	1.2	0.40
22	15	11	53	12	2850	35	5.2	49	21	1.4	0.41	247
23	10	11	70	11	963	26	4.2	22	14	0.93	0.25	90
24	8.4	11	2710	9.2	149	19	45	13	10	0.73	0.15	12
25	6.4	8.7	1040	8.2	191	16	493	10	7.8	0.63	0.12	4.7
26	5.7	9.9	158	8.6	751	26	106	10	6.5	0.47	0.098	2.0
27	5.5	10	62	8.6	1610	29	27	6.5	8.4	0.39	0.15	1.4
28	127	8.9	41	8.6	532	22	15	4.4	6.3	0.34	0.15	0.95
29	e526	8.1	30	822	---	75	9.6	3.0	5.8	0.33	0.079	0.69
30	e250	8.9	25	731	---	46	6.7	2.2	13	1.1	0.060	0.40
31	e54	---	259	158	---	22	---	1.7	---	1.3	0.070	---
TOTAL	4483.4	6646.5	9107.6	3492.4	14745	3433	8473.6	20282.6	5832.7	759.72	958.397	366.449
MEAN	145	222	294	113	527	111	282	654	194	24.5	30.9	12.2
MAX	923	3090	2710	1040	2850	947	5190	5510	1830	356	298	247
MIN	5.4	8.1	5.7	8.2	40	16	4.0	1.7	1.4	0.33	0.060	0.079
MED	24	23	75	12	211	45	14	49	26	6.0	1.00	0.37
CFSM	1.68	2.57	3.40	1.31	6.10	1.28	3.27	7.58	2.25	0.28	0.36	0.14
IN.	1.93	2.87	3.93	1.51	6.36	1.48	3.65	8.74	2.51	0.33	0.41	0.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2003, BY WATER YEAR (WY)

MEAN	48.2	110	251	314	227	224	292	196	149	36.7	29.3	86.4
MAX	145	247	455	613	527	393	614	654	492	101	72.6	474
(WY)	2003	2002	2002	1999	2003	2002	2000	2003	1999	2002	1998	2002
MIN	0.001	0.14	5.89	15.4	23.2	111	125	3.29	19.3	0.38	0.000	0.001
(WY)	2001	2000	2000	2000	2000	2003	2002	2000	1998	2000	2000	2000

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1998 - 2003	
ANNUAL TOTAL	79552.930		78581.370			
ANNUAL MEAN	218		215		166	
HIGHEST ANNUAL MEAN					229	2002
LOWEST ANNUAL MEAN					69.0	2000
HIGHEST DAILY MEAN	6820	Sep 27	5510	May 6	6820	Sep 27 2002
LOWEST DAILY MEAN	0.010	Sep 11	0.060	Aug 30	0.000	Jul 4 1998
ANNUAL SEVEN-DAY MINIMUM	0.02	Sep 9	0.10	Aug 25	0.00	Jul 20 2000
MAXIMUM PEAK FLOW			6780	May 6	8100	Sep 27 2002
MAXIMUM PEAK STAGE			29.36	May 6	30.62	Sep 27 2002
INSTANTANEOUS LOW FLOW			0.04	Aug 30	0.00	Jul 2 1998
ANNUAL RUNOFF (CFSM)	2.53		2.49		1.93	
ANNUAL RUNOFF (INCHES)	34.29		33.87		26.19	
10 PERCENT EXCEEDS	530		617		385	
50 PERCENT EXCEEDS	24		22		9.9	
90 PERCENT EXCEEDS	1.5		0.65		0.06	

e Estimated

07281960 YALOBUSHA RIVER AT VARDAMAN, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY)
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

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	24	41	2.6	25	73	4.9	6.9	48	0.90
2	20	41	2.2	15	68	2.8	6.0	49	0.80
3	18	41	2.0	287	123	169	5.7	50	0.77
4	859	155	449	484	104	146	987	236	1010
5	355	63	67	3090	307	3030	1220	173	614
6	57	48	7.4	1710	163	770	431	93	124
7	120	67	24	397	77	96	75	63	13
8	84	66	15	68	56	10	44	58	6.9
9	26	60	4.3	40	51	5.6	30	55	4.5
10	447	117	280	26	52	3.6	84	75	18
11	923	120	308	38	68	7.1	99	60	16
12	386	84	90	36	60	6.0	54	52	7.5
13	47	73	9.2	22	47	2.8	435	125	171
14	21	68	3.8	17	46	2.1	315	92	81
15	14	64	2.4	88	98	29	88	71	17
16	11	60	1.9	103	86	25	49	56	7.6
17	8.6	58	1.3	41	60	6.9	35	48	4.6
18	6.4	57	0.98	24	50	3.3	27	46	3.4
19	5.4	55	0.80	18	45	2.2	223	79	73
20	14	71	3.4	16	41	1.8	355	67	67
21	29	71	5.7	14	41	1.5	90	56	14
22	15	50	2.1	11	41	1.3	53	51	7.2
23	10	47	1.3	11	42	1.2	70	79	48
24	8.4	47	1.1	11	43	1.3	2710	408	3310
25	6.4	46	0.80	8.7	43	1.0	1040	196	558
26	5.7	46	0.70	9.9	44	1.2	158	92	43
27	5.5	45	0.68	10	45	1.2	62	74	12
28	127	64	27	8.9	46	1.1	41	69	7.6
29	e526	154	e224	8.1	47	1.0	30	65	5.3
30	e250	108	e73	8.9	48	1.1	25	63	4.2
31	e54	78	e11	---	---	---	259	175	324
		JANUARY			FEBRUARY			MARCH	
1	1040	274	873	70	140	27	126	83	28
2	265	101	77	47	116	15	71	80	15
3	98	81	22	55	181	45	45	77	9.3
4	54	74	11	415	298	356	33	75	6.7
5	38	67	6.8	120	160	53	30	87	7.4
6	27	59	4.4	1110	1260	4340	469	199	253
7	21	53	3.1	1020	722	2090	165	97	45
8	19	53	2.7	231	272	208	65	80	14
9	18	53	2.5	91	161	42	41	69	7.6
10	16	54	2.4	362	255	253	28	62	4.7
11	14	55	2.0	140	111	45	22	57	3.3
12	12	56	1.8	66	54	9.9	19	52	2.6
13	11	56	1.7	40	45	4.9	72	90	28
14	10	57	1.6	77	112	25	194	143	81
15	9.6	58	1.5	1170	491	2030	55	89	13
16	11	58	1.7	1190	358	1200	33	73	6.5
17	12	59	1.9	369	139	170	105	133	50
18	10	59	1.7	97	69	18	205	125	72
19	9.6	59	1.5	58	59	9.2	947	342	993
20	10	60	1.6	49	52	6.8	329	118	122
21	10	60	1.7	922	368	1150	63	78	14
22	12	61	1.9	2850	457	4130	35	71	6.7
23	11	61	1.8	963	199	544	26	68	4.7
24	9.2	61	1.5	149	101	42	19	66	3.4
25	8.2	61	1.3	191	160	94	16	63	2.8
26	8.6	60	1.4	751	242	558	26	69	4.9
27	8.6	60	1.4	1610	232	1130	29	67	5.3
28	8.6	60	1.4	532	105	164	22	63	3.7
29	822	1010	3440	---	---	---	75	108	23
30	731	658	1340	---	---	---	46	76	9.7
31	158	215	101	---	---	---	22	57	3.4

Remark codes:
e -- Estimated value

07281960 YALOBUSHA RIVER AT VARDAMAN, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY)--Continued
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

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	17	48	2.2	4.7	64	0.81	1.4	50	0.18
2	13	47	1.6	3.4	65	0.60	2.0	52	0.31
3	11	47	1.4	3.6	66	0.65	31	118	11
4	9.9	47	1.3	3.1	67	0.56	11	68	2.0
5	274	215	195	670	749	5140	4.4	54	0.65
6	916	418	3370	5510	569	9200	45	168	74
7	5190	386	5850	2970	688	6380	410	469	564
8	1050	222	722	1280	292	1050	84	128	37
9	94	87	22	231	119	83	15	73	3.0
10	54	69	10	44	101	12	7.1	59	1.1
11	36	65	6.3	1010	578	2090	581	859	5400
12	22	62	3.8	402	209	256	1830	703	3970
13	16	59	2.6	48	119	16	525	273	468
14	13	56	1.9	2330	778	5900	73	121	24
15	10	53	1.5	1820	340	1720	35	88	8.5
16	8.2	54	1.2	712	196	391	149	172	105
17	7.2	56	1.1	1270	572	2600	219	296	535
18	7.6	58	1.2	1110	309	937	1040	797	2420
19	4.9	60	0.79	549	288	499	416	232	256
20	4.0	62	0.66	116	99	34	213	267	164
21	4.1	64	0.70	74	134	27	48	124	17
22	5.2	66	0.93	49	92	12	21	97	5.6
23	4.2	70	0.80	22	74	4.5	14	76	2.8
24	45	91	18	13	62	2.2	10	68	1.9
25	493	249	353	10	55	1.5	7.8	64	1.3
26	106	111	34	10	54	1.5	6.5	60	1.0
27	27	88	6.4	6.5	53	0.93	8.4	56	1.3
28	15	74	3.0	4.4	52	0.62	6.3	56	0.95
29	9.6	63	1.6	3.0	51	0.42	5.8	56	0.87
30	6.7	62	1.1	2.2	50	0.30	13	72	3.4
31	---	---	---	1.7	50	0.23	---	---	---
	JULY			AUGUST			SEPTEMBER		
1	24	101	6.6	1.00	47	0.13	0.15	70	0.03
2	10	86	2.3	6.5	60	2.0	0.18	75	0.04
3	6.4	80	1.4	33	103	10	0.88	80	0.19
4	4.7	74	0.93	20	66	4.0	0.69	82	0.15
5	104	193	248	236	411	401	0.47	74	0.09
6	356	525	664	298	482	575	0.25	65	0.04
7	53	187	30	283	334	306	0.20	56	0.03
8	21	97	5.6	34	78	7.7	0.21	48	0.03
9	14	68	2.6	14	70	2.7	0.14	50	0.02
10	11	52	1.6	8.1	69	1.5	0.13	53	0.02
11	12	49	1.6	4.7	68	0.86	0.13	57	0.02
12	8.7	49	1.2	3.8	67	0.68	0.11	61	0.02
13	37	99	29	4.3	65	0.75	0.29	65	0.05
14	47	105	18	3.8	64	0.70	0.18	68	0.03
15	15	55	2.3	2.1	60	0.32	0.079	72	0.02
16	7.9	48	1.0	0.90	57	0.13	0.30	76	0.06
17	6.0	50	0.82	0.60	53	0.09	1.3	79	0.27
18	5.4	54	0.79	0.48	49	0.06	0.67	74	0.13
19	4.4	58	0.69	0.45	46	0.06	0.33	67	0.06
20	2.8	62	0.47	0.93	43	0.11	0.22	61	0.04
21	1.8	66	0.32	1.2	43	0.14	0.40	55	0.06
22	1.4	70	0.26	0.41	44	0.05	247	321	301
23	0.93	73	0.18	0.25	45	0.03	90	109	37
24	0.73	69	0.14	0.15	46	0.02	12	40	1.4
25	0.63	64	0.11	0.12	47	0.02	4.7	37	0.46
26	0.47	59	0.08	0.098	49	0.01	2.0	36	0.20
27	0.39	54	0.06	0.15	50	0.02	1.4	36	0.14
28	0.34	49	0.05	0.15	51	0.02	0.95	36	0.09
29	0.33	45	0.04	0.079	55	0.01	0.69	35	0.07
30	1.1	45	0.13	0.060	60	0.00	0.40	35	0.04
31	1.3	46	0.17	0.070	65	0.01	---	---	---

07281977 YALOBUSHA RIVER AT DERMA, MS

LOCATION.--Lat 33°50'17", long 89°16'33", in NW¼ NW¼ 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 mi^2.

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 NGVD of 1929. 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.--
SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 1,910 mg/L, Sept. 26, 2002; minimum daily mean, 24 mg/L, Sept. 3, 1999.
SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 35,500 tons, May 6, 2003; minimum daily, <0.01 ton, Aug. 27-Sept. 6, Oct. 3-14, 2000.

EXTREMES FOR CURRENT YEAR.--
DISCHARGE: Peak discharges greater than base discharge of 5,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 5	1545	7,620	28.01	May 6	0900	9,250	28.84
Dec. 24	0700	6,760	27.24	May 7	1545	6,950	27.44
Feb. 22	0515	7,270	27.73	May 14	1615	7,360	27.80
Apr. 7	0945	*9,610	*29.01	June 12	0115	5,550	25.61

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 1,540 mg/L, May 6; minimum daily mean, 29 mg/L, May 31.
SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 35,800 tons, May 6; minimum daily, 0.10 ton, July 29.

07281977 YALOBUSHA RIVER AT DERMA, MS--Continued

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	79	89	30	1440	228	498	95	36	6.1	13	3.6	1.7
2	43	52	27	519	153	375	78	27	5.6	9.6	14	3.7
3	28	378	26	305	125	290	66	28	135	6.3	65	6.2
4	1090	836	1670	194	478	232	59	25	54	4.3	30	6.7
5	540	4870	1950	142	292	203	206	926	28	51	145	4.2
6	174	3390	583	104	1720	641	1240	8520	39	656	178	3.0
7	249	925	232	80	1600	469	8600	5710	222	216	201	2.3
8	153	351	129	69	514	332	2450	2360	106	83	81	1.9
9	74	204	85	60	308	253	566	496	46	38	37	1.7
10	868	137	106	53	481	190	374	208	22	34	19	1.6
11	2060	108	136	42	337	154	268	1780	729	60	11	1.4
12	686	90	104	35	216	129	194	576	3210	31	7.5	1.3
13	225	70	464	31	148	175	149	229	807	17	14	1.1
14	97	57	436	29	160	307	117	4070	350	17	8.8	1.7
15	54	128	223	27	2000	242	96	3420	201	9.8	6.1	1.6
16	36	176	138	27	1740	184	81	789	337	6.0	4.4	1.3
17	25	127	97	30	612	180	70	2060	234	4.2	3.4	1.1
18	17	91	73	28	319	270	59	1380	1010	3.6	2.7	1.0
19	13	69	210	27	210	1290	50	702	599	2.8	2.4	0.94
20	17	57	437	28	168	615	46	315	344	2.3	2.0	0.87
21	51	51	228	28	1240	347	46	198	145	2.0	1.8	1.0
22	36	44	151	31	5550	230	40	145	64	1.7	1.7	369
23	25	39	126	30	1520	167	34	98	32	1.6	1.5	153
24	19	36	5110	24	555	129	137	66	18	1.4	1.4	59
25	15	34	1400	24	511	104	707	47	11	1.3	1.3	29
26	13	34	462	23	1220	117	372	36	7.7	1.1	1.2	16
27	12	36	255	22	2760	132	205	27	12	1.0	1.1	10
28	105	34	167	22	888	118	121	20	9.6	0.99	1.6	6.9
29	642	32	121	1200	---	142	77	14	6.6	0.93	1.6	4.8
30	420	31	98	911	---	143	52	10	7.5	2.3	1.6	3.7
31	177	---	234	388	---	115	---	8.1	---	7.5	1.5	---
TOTAL	8043	12576	15508	5973	26053	8773	16655	34326.1	8798.1	1286.72	852.2	697.71
MEAN	259	419	500	193	930	283	555	1107	293	41.5	27.5	23.3
MAX	2060	4870	5110	1440	5550	1290	8600	8520	3210	656	201	369
MIN	12	31	26	22	125	104	34	8.1	5.6	0.93	1.1	0.87
MED	74	79	167	31	496	203	107	208	59	6.0	3.6	2.1
CFSM	1.62	2.62	3.12	1.20	5.80	1.77	3.46	6.91	1.83	0.26	0.17	0.15
IN.	1.87	2.92	3.60	1.39	6.05	2.04	3.87	7.97	2.04	0.30	0.20	0.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2003, BY WATER YEAR (WY)

MEAN	83.7	205	449	580	404	434	564	337	227	64.4	43.4	137
MAX	259	466	849	1193	930	732	1162	1107	622	234	110	724
(WY)	2003	2002	2002	1999	2003	2002	2000	2003	1999	2002	1998	2002
MIN	0.054	2.14	11.5	17.9	46.1	283	267	17.0	24.3	0.75	0.11	0.071
(WY)	2001	2000	2000	2000	2000	2003	2002	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1998 - 2003	
ANNUAL TOTAL	143124.1		139541.83			
ANNUAL MEAN	392		382		298	
HIGHEST ANNUAL MEAN					416	2002
LOWEST ANNUAL MEAN					131	2000
HIGHEST DAILY MEAN	11300	Sep 27	8600	Apr 7	13200	Jan 23 1999
LOWEST DAILY MEAN	1.1	Jun 21	0.87	Sep 20	0.000	Aug 30 2000
ANNUAL SEVEN-DAY MINIMUM	1.4	Jun 17	1.1	Sep 15	0.00	Aug 30 2000
MAXIMUM PEAK FLOW			9610	Apr 7	15900	Jan 23 1999
MAXIMUM PEAK STAGE			29.01	Apr 7	31.36	Jan 23 1999
ANNUAL RUNOFF (CFSM)	2.45		2.38		1.86	
ANNUAL RUNOFF (INCHES)	33.21		32.38		25.27	
10 PERCENT EXCEEDS	891		897		619	
50 PERCENT EXCEEDS	65		81		27	
90 PERCENT EXCEEDS	4.7		2.2		1.2	

07281977 YALOBUSHA RIVER AT DERMA, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY)
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

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	79	56	12	89	87	21	30	37	2.9
2	43	49	5.7	52	74	10	27	36	2.6
3	28	42	3.1	378	224	562	26	36	2.5
4	1090	555	2160	836	254	639	1670	442	3070
5	540	222	350	4870	752	10700	1950	258	1600
6	174	104	52	3390	265	2520	583	113	186
7	249	174	130	925	168	454	232	67	43
8	153	139	60	351	95	92	129	46	16
9	74	74	15	204	74	41	85	34	7.9
10	868	871	5170	137	61	23	106	57	18
11	2060	649	3820	108	56	16	136	59	22
12	686	328	634	90	51	13	104	49	14
13	225	205	130	70	47	8.8	464	134	194
14	97	113	30	57	45	6.9	436	85	102
15	54	73	11	128	72	29	223	58	36
16	36	40	4.0	176	87	41	138	44	16
17	25	36	2.4	127	75	26	97	39	10
18	17	38	1.8	91	71	17	73	37	7.3
19	13	39	1.4	69	68	13	210	75	74
20	17	41	1.9	57	64	10	437	92	113
21	51	42	5.8	51	60	8.4	228	61	38
22	36	44	4.3	44	56	6.7	151	50	20
23	25	45	3.1	39	53	5.5	126	91	60
24	19	47	2.4	36	49	4.7	5110	696	10100
25	15	48	2.0	34	45	4.1	1400	167	673
26	13	50	1.7	34	41	3.8	462	92	119
27	12	52	1.6	36	39	3.8	255	74	51
28	105	79	30	34	39	3.6	167	63	29
29	642	402	825	32	38	3.3	121	57	19
30	420	152	186	31	38	3.2	98	52	14
31	177	101	49	---	---	---	234	155	286
		JANUARY			FEBRUARY			MARCH	
1	1440	396	1860	228	246	155	498	130	176
2	519	100	145	153	152	63	375	100	102
3	305	77	64	125	105	36	290	82	65
4	194	72	38	478	140	184	232	68	43
5	142	67	26	292	85	68	203	66	36
6	104	63	18	1720	453	3060	641	202	365
7	80	58	13	1600	314	1610	469	92	118
8	69	56	10	514	135	195	332	74	67
9	60	54	8.8	308	86	73	253	65	44
10	53	52	7.4	481	139	183	190	55	28
11	42	50	5.7	337	85	79	154	45	19
12	35	48	4.5	216	54	32	129	36	13
13	31	46	3.9	148	50	20	175	35	16
14	29	44	3.5	160	54	23	307	34	28
15	27	43	3.1	2000	676	5590	242	34	22
16	27	44	3.2	1740	325	1720	184	33	17
17	30	46	3.7	612	141	246	180	33	16
18	28	48	3.6	319	84	73	270	32	24
19	27	50	3.6	210	67	38	1290	746	3120
20	28	52	3.9	168	55	25	615	170	303
21	28	54	4.0	1240	416	1780	347	108	101
22	31	56	4.6	5550	841	14000	230	101	63
23	30	58	4.7	1520	263	1180	167	94	42
24	24	58	3.9	555	117	181	129	87	30
25	24	59	3.7	511	182	265	104	79	22
26	23	59	3.7	1220	353	1550	117	73	23
27	22	59	3.6	2760	331	2610	132	67	24
28	22	60	3.5	888	176	435	118	62	20
29	1200	1280	7270	---	---	---	142	58	22
30	911	815	2200	---	---	---	143	53	21
31	388	384	411	---	---	---	115	48	15

07281977 YALOBUSHA RIVER AT DERMA, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY)--Continued
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

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	95	43	11	36	47	4.6	6.1	30	0.48
2	78	39	8.1	27	48	3.4	5.6	33	0.57
3	66	39	6.9	28	48	3.7	135	113	43
4	59	39	6.3	25	49	3.3	54	92	14
5	206	134	90	926	735	7760	28	78	5.9
6	1240	477	5460	8520	1540	35800	39	76	8.5
7	8600	858	20600	5710	954	15900	222	89	54
8	2450	285	2050	2360	402	2720	106	80	23
9	566	142	223	496	194	284	46	76	9.4
10	374	104	105	208	102	59	22	75	4.4
11	268	88	64	1780	1260	8720	729	1030	8060
12	194	76	40	576	271	459	3210	1230	13200
13	149	66	27	229	142	90	807	395	949
14	117	56	18	4070	1130	16800	350	133	128
15	96	47	12	3420	442	4370	201	112	63
16	81	45	10	789	264	583	337	196	194
17	70	44	8.3	2060	816	6340	234	188	215
18	59	43	6.8	1380	342	1320	1010	510	1460
19	50	42	5.7	702	190	399	599	154	265
20	46	40	5.0	315	100	86	344	103	96
21	46	39	4.9	198	90	48	145	94	37
22	40	38	4.2	145	84	33	64	85	15
23	34	38	3.5	98	77	20	32	76	6.5
24	137	106	77	66	70	13	18	67	3.3
25	707	285	561	47	63	8.1	11	58	1.7
26	372	136	140	36	57	5.6	7.7	49	1.0
27	205	85	47	27	50	3.7	12	42	1.3
28	121	71	23	20	43	2.3	9.6	41	1.1
29	77	57	12	14	37	1.4	6.6	42	0.75
30	52	47	6.6	10	31	0.86	7.5	42	0.85
31	---	---	---	8.1	29	0.64	---	---	---
	JULY			AUGUST			SEPTEMBER		
1	13	42	1.5	3.6	40	0.39	1.7	46	0.21
2	9.6	43	1.1	14	55	3.4	3.7	47	0.47
3	6.3	43	0.74	65	80	15	6.2	48	0.81
4	4.3	43	0.50	30	67	5.4	6.7	50	0.90
5	51	94	63	145	100	44	4.2	62	0.70
6	656	208	425	178	121	67	3.0	75	0.61
7	216	197	123	201	105	59	2.3	89	0.56
8	83	121	28	81	75	17	1.9	102	0.53
9	38	80	8.3	37	67	6.7	1.7	101	0.46
10	34	51	4.8	19	63	3.3	1.6	97	0.41
11	60	62	9.9	11	60	1.7	1.4	93	0.35
12	31	76	6.2	7.5	56	1.1	1.3	88	0.30
13	17	90	4.1	14	54	2.0	1.1	84	0.26
14	17	103	4.8	8.8	52	1.2	1.7	79	0.36
15	9.8	117	3.1	6.1	53	0.87	1.6	75	0.32
16	6.0	129	2.1	4.4	53	0.63	1.3	71	0.24
17	4.2	125	1.4	3.4	54	0.49	1.1	67	0.20
18	3.6	119	1.2	2.7	55	0.40	1.0	66	0.18
19	2.8	114	0.86	2.4	55	0.35	0.94	65	0.17
20	2.3	108	0.68	2.0	56	0.31	0.87	65	0.15
21	2.0	102	0.54	1.8	54	0.27	1.0	64	0.18
22	1.7	96	0.45	1.7	52	0.24	369	258	342
23	1.6	90	0.39	1.5	50	0.21	153	94	41
24	1.4	84	0.32	1.4	48	0.18	59	72	11
25	1.3	76	0.26	1.3	46	0.16	29	71	5.5
26	1.1	67	0.20	1.2	44	0.14	16	72	3.2
27	1.0	58	0.16	1.1	42	0.13	10	74	2.0
28	0.99	49	0.13	1.6	40	0.17	6.9	75	1.4
29	0.93	41	0.10	1.6	41	0.18	4.8	76	0.99
30	2.3	40	0.25	1.6	43	0.18	3.7	77	0.76
31	7.5	40	0.81	1.5	44	0.18	---	---	---

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 mi^2, 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 NGVD of 1929 (levels by U. S. Army Corps of Engineers). Prior to Jan. 1, 1972, datum of gage was 10.00 ft higher. Prior to Nov. 15, 1950, nonrecording gage at site 75 ft downstream at same datum. Water-stage recorder on Topashaw Creek canal, 2.5 mi southwest of base gage. Prior to Aug. 16, 1963, nonrecording gage and crest-stage gage on Topashaw Creek Canal.

REMARKS.--No estimated daily discharges. Records fair. Discharge computed by combining the flow of individually rated Yalobusha River and Topashaw Creek Canal. Channel rectification of both Yalobusha River and Topashaw Creek was completed in 1967. U. S. Army Corps of Engineers satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 11,000 ft^3/s and maximum (*).

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 5	1445	15,200	21.97	May 6	0245	16,600	22.26
Dec. 24	0700	11,200	21.63	May 7	1545	16,600	21.85
Feb. 22	0500	14,000	21.79	May 14	1530	15,700	21.84
Apr. 7	0345	*19,100	*22.48				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	138	145	114	2150	380	681	169	55	30	29	18	7.6
2	85	90	111	781	277	496	147	42	28	23	72	13
3	63	632	112	460	227	390	128	44	273	18	141	17
4	1360	1050	1950	318	647	325	116	40	137	14	65	18
5	679	8290	2660	243	473	290	235	1430	83	138	184	14
6	262	5020	932	191	2740	881	2180	12000	104	1370	193	11
7	298	1320	476	156	2640	649	14000	10600	379	419	235	9.1
8	227	513	315	137	838	461	4170	4250	226	180	124	8.0
9	130	307	226	125	501	366	845	967	118	97	66	7.5
10	877	216	236	114	682	297	494	447	67	97	39	7.1
11	2480	178	269	97	538	251	356	2360	874	143	25	6.8
12	890	151	216	85	383	222	270	1060	5730	84	20	6.3
13	341	120	542	78	288	258	213	481	1340	53	30	5.9
14	173	100	572	75	289	407	177	7220	501	53	22	7.6
15	106	191	341	70	2510	359	150	5440	281	38	17	7.6
16	77	275	222	71	2700	292	131	1450	396	27	14	6.6
17	60	226	156	77	987	277	114	3100	276	21	12	6.1
18	47	178	118	75	537	367	99	2420	1130	19	9.9	5.7
19	39	148	247	72	386	1600	87	1300	819	16	9.1	5.5
20	46	132	500	72	322	890	79	614	446	14	8.2	5.3
21	96	123	313	72	1970	508	77	409	211	13	7.6	5.8
22	73	113	221	81	9120	355	70	314	106	12	7.4	324
23	57	105	183	81	2330	275	59	230	60	11	7.0	144
24	46	102	7830	72	773	226	147	167	37	10	6.6	67
25	40	101	2240	67	633	193	717	129	26	9.9	6.1	35
26	36	104	709	68	1730	204	427	105	21	9.1	5.9	23
27	34	111	393	66	4650	221	238	85	27	8.6	5.9	16
28	147	112	274	63	1310	204	152	67	23	8.6	7.1	12
29	610	110	207	1450	---	224	104	54	18	8.2	7.2	9.7
30	506	113	168	1300	---	230	74	43	20	14	7.1	8.0
31	258	---	359	609	---	197	---	37	---	29	7.1	---
TOTAL	10281	20376	23212	9376	40861	12596	26225	56960	13787	2986.4	1379.2	820.2
MEAN	332	679	749	302	1459	406	874	1837	460	96.3	44.5	27.3
MAX	2480	8290	7830	2150	9120	1600	14000	12000	5730	1370	235	324
MIN	34	90	111	63	227	193	59	37	18	8.2	5.9	5.3
CFSM	1.12	2.30	2.54	1.03	4.95	1.38	2.96	6.23	1.56	0.33	0.15	0.09
IN.	1.30	2.57	2.93	1.18	5.15	1.59	3.31	7.18	1.74	0.38	0.17	0.10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2003, BY WATER YEAR (WY)

MEAN	53.9	277	644	734	853	982	822	471	247	111	55.3	77.4
MAX	622	2827	4402	2400	2409	3583	3418	3696	1815	948	335	1039
(WY)	1976	1958	1983	1974	1991	1980	1991	1991	1989	1979	1996	2002
MIN	0.15	0.99	3.59	11.5	66.1	83.2	15.9	7.45	0.38	1.26	0.80	0.000
(WY)	1954	1982	1966	1956	1963	1954	1986	1988	1988	1954	1951	1952

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1951 - 2003	
ANNUAL TOTAL	206136.5		218859.8			
ANNUAL MEAN	565		600		442	
HIGHEST ANNUAL MEAN					1171	1991
LOWEST ANNUAL MEAN					78.6	1986
HIGHEST DAILY MEAN	14000	Sep 27	14000	Apr 7	50800	Dec 26 1982
LOWEST DAILY MEAN	2.8	Sep 15	5.3	Sep 20	0.00	Jul 25 1952
ANNUAL SEVEN-DAY MINIMUM	3.0	Sep 10	6.1	Sep 15	0.00	Aug 28 1952
MAXIMUM PEAK FLOW			19100	Apr 7	70100	Dec 26 1982
MAXIMUM PEAK STAGE			22.48	Apr 7	25.75	Dec 26 1982
ANNUAL RUNOFF (CFSM)	1.91		2.03		1.50	
ANNUAL RUNOFF (INCHES)	25.99		27.60		20.35	
10 PERCENT EXCEEDS	1130		1330		949	
50 PERCENT EXCEEDS	117		147		42	
90 PERCENT EXCEEDS	12		9.9		2.2	

07282075 TOPASHAW CREEK CANAL NEAR HOHENLINDEN, MS

LOCATION.--Lat 33°45'29", long 89°10'43", in SE¼ SE¼ sec.22, T.15 S., R.1 E., Choctaw Meridian, Chickasaw County, Hydrologic Unit 08030205, at bridge on county road 2.5 mi west of Mississippi Highway 341 and 2.5 mi south of Atlanta.

DRAINAGE AREA.--42.1 mi^2.

PERIOD OF DAILY RECORD.--
DISCHARGE: May 1998 to current year.
SUSPENDED SEDIMENT CONCENTRATION: January 2000 to current year.
SUSPENDED SEDIMENT DISCHARGE: January 2000 to current year.

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 296.19 ft above NGVD of 1929. Automatic pumping sediment sampler since January 2000.

REMARKS.--Estimated daily discharge: Apr. 8-22, May 27-30. Discharge records good except for estimated daily discharges, which are poor. Satellite telemeter at station. Channel rectification was completed in 1967.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 2,800 mg/L, Apr. 2, 2000; minimum daily mean, 0 mg/L, Aug. 29-Sept. 7, 2000.
SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 24,000 tons, Apr. 2, 2000; minimum daily, 0 ton, Aug. 15-Sept. 7, 2000.

EXTREMES FOR CURRENT YEAR.--
DISCHARGE: Peak discharges greater than base discharge of 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 5	1130	4,430	22.15	May 5	2345	5,260	25.20
Feb. 22	0130	4,460	22.25	May 7	1145	4,930	23.99
Apr. 6	2300	*6,860	*31.31	May 14	1215	5,630	26.58

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 1,230 mg/L, May 7; minimum daily mean, 31 mg/L, Apr. 16.
SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 9,620 tons, May 7; minimum daily, 0.19 ton, Sept. 30.

07282075 TOPASHAW CREEK CANAL NEAR HOHENLINDEN, MS--Continued

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	19	9.8	407	35	126	12	8.8	8.5	8.4	3.7	3.6
2	8.2	15	9.9	132	29	95	11	8.4	106	6.4	125	3.5
3	6.7	358	10	92	43	72	11	28	138	5.3	48	6.5
4	327	190	271	72	131	59	9.9	9.9	25	4.7	12	3.4
5	53	1720	190	60	55	53	9.0	699	14	308	74	2.8
6	23	194	66	45	825	451	1020	1000	95	281	15	2.6
7	22	94	42	36	260	110	1530	1390	124	55	12	2.5
8	16	65	31	34	110	74	e181	245	35	14	5.5	2.3
9	11	49	24	35	91	57	e108	115	17	8.7	4.3	2.2
10	15	35	51	26	134	43	e82	80	12	55	3.8	2.2
11	17	36	38	21	78	35	e66	218	541	43	3.5	2.2
12	11	22	25	19	59	30	e54	87	1010	11	4.1	2.2
13	8.2	17	118	19	48	96	e45	52	139	7.4	4.4	9.1
14	7.0	15	68	19	58	68	e35	1750	88	6.4	3.6	3.6
15	7.8	58	42	17	316	45	e27	302	47	5.3	3.3	2.4
16	8.1	35	34	21	326	38	e25	119	25	4.6	3.1	2.1
17	6.5	21	29	19	107	127	e24	493	43	4.2	2.9	2.1
18	6.0	17	24	23	74	83	e20	312	86	4.0	2.9	2.0
19	7.2	15	105	21	59	360	e18	161	40	3.9	2.8	2.0
20	52	14	89	16	54	88	e19	92	15	3.7	2.7	2.1
21	52	13	45	16	771	56	e17	88	10	3.5	2.9	2.3
22	22	11	34	32	1290	43	e14	69	8.3	3.7	2.7	51
23	14	9.7	35	17	190	34	11	47	7.6	3.9	2.7	3.8
24	11	9.3	1130	35	128	28	91	34	6.9	3.4	2.5	2.5
25	11	9.1	147	14	110	22	139	29	6.4	3.2	2.5	2.2
26	10	9.3	94	13	439	38	36	26	6.2	3.1	2.5	2.0
27	10	10	74	10	1020	30	22	e19	11	3.1	2.6	2.0
28	209	9.0	60	10	179	22	15	e16	6.6	2.9	2.9	1.8
29	84	9.3	50	158	---	19	12	e12	5.4	3.1	2.8	1.7
30	45	9.9	43	91	---	15	10	e10	16	16	3.1	1.6
31	26	---	333	48	---	13	---	9.7	---	5.8	3.4	---
TOTAL	1117.7	3088.6	3321.7	1578	7019	2430	3673.9	7529.8	2692.9	891.7	367.2	132.3
MEAN	36.1	103	107	50.9	251	78.4	122	243	89.8	28.8	11.8	4.41
MAX	327	1720	1130	407	1290	451	1530	1750	1010	308	125	51
MIN	6.0	9.0	9.8	10	29	13	9.0	8.4	5.4	2.9	2.5	1.6
MED	11	17	45	23	110	53	23	80	21	5.3	3.3	2.3
CFSM	0.86	2.45	2.55	1.21	5.95	1.86	2.91	5.77	2.13	0.68	0.28	0.10
IN.	0.99	2.73	2.94	1.39	6.20	2.15	3.25	6.65	2.38	0.79	0.32	0.12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2003, BY WATER YEAR (WY)

MEAN	14.1	44.7	91.3	130	114	122	118	65.8	47.8	14.9	7.67	20.4
MAX	36.1	103	157	231	251	219	243	243	128	28.8	26.9	111
(WY)	2003	2003	1999	1999	2003	2002	2000	2003	1999	2003	1998	2002
MIN	0.16	1.32	3.81	14.6	13.7	49.1	67.7	2.73	4.76	0.48	0.098	0.16
(WY)	2001	2000	2000	2000	2000	2000	2001	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1998 - 2003	
ANNUAL TOTAL	28491.82		33842.8			
ANNUAL MEAN	78.1		92.7		66.1	
HIGHEST ANNUAL MEAN					92.7	2003
LOWEST ANNUAL MEAN					27.5	2000
HIGHEST DAILY MEAN	2940	Jan 24	1750	May 14	2940	Apr 2 2000
LOWEST DAILY MEAN	0.36	Sep 6	1.6	Sep 30	0.000	Aug 17 2000
ANNUAL SEVEN-DAY MINIMUM	0.39	Sep 3	2.0	Sep 24	0.00	Aug 17 2000
MAXIMUM PEAK FLOW			6860	Apr 6	7680	Jun 27 1999
MAXIMUM PEAK STAGE			31.31	Apr 6	34.52	Jun 27 1999
ANNUAL RUNOFF (CFSM)	1.85		2.20		1.57	
ANNUAL RUNOFF (INCHES)	25.18		29.90		21.33	
10 PERCENT EXCEEDS	143		190		111	
50 PERCENT EXCEEDS	14		22		7.9	
90 PERCENT EXCEEDS	0.87		3.0		0.62	

e Estimated

07282075 TOPASHAW CREEK CANAL NEAR HOHENLINDEN, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY)
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		OCTOBER			NOVEMBER			DECEMBER	
1	11	37	1.1	19	50	2.5	9.8	33	0.87
2	8.2	40	0.89	15	48	1.9	9.9	33	0.88
3	6.7	46	0.83	358	136	303	10	33	0.94
4	327	282	449	190	59	32	271	378	471
5	53	74	11	1720	773	6640	190	239	160
6	23	64	4.0	194	69	37	66	74	14
7	22	63	3.7	94	61	16	42	57	6.4
8	16	61	2.6	65	53	9.4	31	52	4.3
9	11	60	1.8	49	48	6.4	24	47	3.1
10	15	59	2.4	35	46	4.3	51	74	11
11	17	57	2.7	36	43	4.2	38	48	5.1
12	11	56	1.7	22	41	2.5	25	44	3.0
13	8.2	55	1.2	17	38	1.7	118	131	47
14	7.0	53	1.0	15	39	1.6	68	79	15
15	7.8	52	1.1	58	50	8.6	42	58	6.7
16	8.1	51	1.1	35	47	4.5	34	50	4.6
17	6.5	51	0.88	21	46	2.7	29	43	3.3
18	6.0	50	0.81	17	45	2.0	24	37	2.4
19	7.2	50	0.97	15	43	1.8	105	147	72
20	52	92	18	14	42	1.6	89	109	29
21	52	81	12	13	41	1.4	45	61	7.5
22	22	49	2.9	11	39	1.1	34	50	4.6
23	14	45	1.7	9.7	38	0.98	35	58	13
24	11	44	1.3	9.3	36	0.91	1130	744	3590
25	11	43	1.2	9.1	35	0.85	147	257	103
26	10	42	1.1	9.3	33	0.83	94	216	55
27	10	41	1.1	10	33	0.90	74	173	35
28	209	159	118	9.0	33	0.80	60	127	21
29	84	71	16	9.3	33	0.83	50	90	12
30	45	55	6.8	9.9	33	0.89	43	64	7.5
31	26	51	3.6	---	---	---	333	429	1000
		JANUARY			FEBRUARY			MARCH	
1	407	468	633	35	96	9.2	126	158	54
2	132	233	84	29	76	6.0	95	153	39
3	92	185	46	43	119	36	72	147	29
4	72	149	29	131	275	123	59	142	22
5	60	112	18	55	53	8.1	53	137	20
6	45	75	9.2	825	546	1560	451	285	496
7	36	42	4.1	260	132	112	110	142	42
8	34	37	3.4	110	76	23	74	123	25
9	35	53	5.4	91	66	17	57	102	16
10	26	49	3.5	134	78	30	43	81	9.4
11	21	46	2.6	78	54	12	35	60	5.7
12	19	43	2.2	59	44	7.0	30	41	3.3
13	19	39	2.0	48	43	5.5	96	117	50
14	19	36	1.9	58	43	6.8	68	111	21
15	17	34	1.5	316	275	395	45	90	11
16	21	35	2.0	326	297	326	38	68	7.0
17	19	38	1.9	107	117	34	127	250	119
18	23	41	2.5	74	82	16	83	51	12
19	21	43	2.5	59	61	9.8	360	754	1130
20	16	46	2.0	54	44	6.4	88	214	52
21	16	48	2.1	771	434	1650	56	159	24
22	32	51	4.3	1290	786	5490	43	142	17
23	17	54	2.5	190	194	101	34	124	12
24	35	55	5.1	128	142	49	28	106	8.1
25	14	56	2.1	110	134	40	22	89	5.3
26	13	58	2.0	439	324	531	38	75	7.6
27	10	59	1.7	1020	518	2320	30	82	6.6
28	10	60	1.6	179	172	84	22	94	5.5
29	158	631	468	---	---	---	19	105	5.3
30	91	307	82	---	---	---	15	117	4.7
31	48	157	21	---	---	---	13	128	4.5

07282075 TOPASHAW CREEK CANAL NEAR HOHENLINDEN, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY)--Continued
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

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	12	140	4.5	8.8	45	1.1	8.5	47	1.1
2	11	147	4.2	8.4	46	1.0	106	121	146
3	11	129	3.7	28	87	9.0	138	112	53
4	9.9	107	2.9	9.9	75	2.0	25	64	4.4
5	9.0	86	2.1	699	1050	7640	14	58	2.2
6	1020	654	8150	1000	716	4910	95	118	50
7	1530	676	6560	1390	1230	9620	124	105	37
8	e181	78	e38	245	366	255	35	90	8.6
9	e108	129	e38	115	252	79	17	81	3.8
10	e82	137	e30	80	214	46	12	71	2.3
11	e66	117	e21	218	319	231	541	656	3380
12	e54	96	e14	87	200	48	1010	645	3060
13	e45	75	e9.1	52	156	22	139	201	80
14	e35	54	e5.1	1750	990	8580	88	129	31
15	e27	34	e2.5	302	369	316	47	89	12
16	e25	31	e2.1	119	287	93	25	72	4.8
17	e24	33	e2.1	493	412	771	43	70	9.9
18	e20	34	e1.8	312	210	180	86	85	24
19	e18	36	e1.7	161	130	57	40	75	8.1
20	e19	37	e1.9	92	111	28	15	72	2.9
21	e17	39	e1.8	88	103	24	10	72	2.0
22	e14	40	e1.5	69	96	18	8.3	72	1.6
23	11	41	1.2	47	89	11	7.6	73	1.5
24	91	142	72	34	83	7.7	6.9	73	1.4
25	139	135	58	29	76	6.0	6.4	73	1.3
26	36	87	8.5	26	69	4.9	6.2	73	1.2
27	22	73	4.3	e19	63	e3.2	11	72	2.2
28	15	59	2.4	e16	56	e2.4	6.6	66	1.2
29	12	46	1.5	e12	49	e1.6	5.4	59	0.86
30	10	45	1.2	e10	43	e1.2	16	53	2.2
31	---	---	---	9.7	44	1.2	---	---	---
		JULY			AUGUST			SEPTEMBER	
1	8.4	46	1.1	3.7	47	0.47	3.6	102	0.98
2	6.4	40	0.69	125	184	238	3.5	110	1.0
3	5.3	44	0.63	48	128	23	6.5	117	2.1
4	4.7	53	0.67	12	81	2.7	3.4	122	1.1
5	308	391	1810	74	205	49	2.8	109	0.83
6	281	268	298	15	150	6.3	2.6	93	0.64
7	55	132	20	12	113	3.8	2.5	77	0.51
8	14	100	3.9	5.5	101	1.5	2.3	62	0.38
9	8.7	69	1.6	4.3	91	1.1	2.2	57	0.35
10	55	66	18	3.8	81	0.83	2.2	55	0.33
11	43	70	8.3	3.5	71	0.66	2.2	53	0.32
12	11	66	2.0	4.1	60	0.66	2.2	51	0.30
13	7.4	62	1.2	4.4	50	0.60	9.1	49	1.2
14	6.4	58	1.0	3.6	41	0.40	3.6	47	0.47
15	5.3	54	0.77	3.3	40	0.36	2.4	45	0.29
16	4.6	50	0.63	3.1	41	0.34	2.1	43	0.25
17	4.2	50	0.56	2.9	41	0.32	2.1	41	0.23
18	4.0	50	0.54	2.9	41	0.32	2.0	41	0.23
19	3.9	50	0.52	2.8	42	0.31	2.0	42	0.23
20	3.7	50	0.50	2.7	42	0.31	2.1	42	0.24
21	3.5	50	0.47	2.9	46	0.36	2.3	42	0.26
22	3.7	50	0.49	2.7	49	0.37	51	125	37
23	3.9	50	0.52	2.7	53	0.38	3.8	65	0.68
24	3.4	49	0.45	2.5	57	0.39	2.5	42	0.29
25	3.2	48	0.41	2.5	60	0.41	2.2	40	0.24
26	3.1	46	0.38	2.5	64	0.44	2.0	41	0.23
27	3.1	45	0.37	2.6	68	0.48	2.0	42	0.22
28	2.9	43	0.34	2.9	72	0.55	1.8	43	0.21
29	3.1	43	0.36	2.8	79	0.59	1.7	44	0.20
30	16	71	5.3	3.1	86	0.71	1.6	45	0.19
31	5.8	54	0.89	3.4	94	0.87	---	---	---

Remark codes:
e -- Estimated value

07282090 TOPASHAW CREEK CANAL NEAR DERMA, MS

LOCATION.--Lat 33°46'48", long 89°14'49", in NE¼NE¼ sec.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 mi^2, 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 245.67 ft above NGVD of 1929. Automatic pumping sediment sampler since March 2002.

REMARKS.--Estimated daily discharge: Nov. 30, Dec. 1-3, May 8-13, Aug. 13-14, 16-28. 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.--
SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 2,240 mg/L, Jan. 22, 1999; minimum daily mean, 0 mg/L, , Aug. 31, 2000.
SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 39,100 tons, Jan. 19, 2001; minimum daily, 0 ton, Aug. 21-Sept. 8, 2000.

EXTREMES FOR CURRENT YEAR.--
DISCHARGE: Peak discharges greater than base discharge of 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 5	1300	5,900	24.51	May 7	1330	8,120	27.74
Feb. 22	0330	5,370	23.52	May 14	1345	7,580	27.01
Apr. 7	0045	*10,600	*30.78	June 12	0100	4,160	20.61
May 6	0115	7,280	26.60				

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 1,430 mg/L, June 11; minimum daily mean, 32 mg/L, Apr. 2, 3, Sept. 9.
SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 23,200 tons, Apr. 7; minimum daily, 0.17 ton, Sept. 30.

07282090 TOPASHAW CREEK CANAL NEAR DERMA, MS--Continued

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	28	e14	637	70	146	40	12	34	21	9.7	6.1
2	11	22	e15	175	61	111	36	11	113	12	263	7.7
3	8.2	474	e16	112	71	93	35	47	246	7.7	152	61
4	426	291	404	89	249	83	35	20	66	7.3	40	12
5	76	2460	306	79	90	80	33	731	49	281	213	6.1
6	33	303	87	67	1060	511	1270	2000	228	607	56	4.3
7	29	112	60	61	458	152	3210	2540	271	111	33	3.6
8	21	72	50	59	145	104	242	e390	83	37	15	2.9
9	14	54	42	61	111	84	136	e175	57	22	9.6	2.7
10	16	39	71	51	190	70	105	e110	48	90	7.1	2.6
11	27	44	59	43	105	64	84	e383	582	101	5.8	2.5
12	15	30	46	40	81	60	68	e145	1590	33	41	2.4
13	9.5	24	177	42	70	130	56	e90	294	21	e29	13
14	7.3	22	102	43	84	114	46	2430	178	17	e10	11
15	7.7	70	63	42	464	77	40	449	127	13	7.3	4.2
16	8.9	49	53	44	499	68	37	165	87	10	e6.5	3.1
17	6.5	30	46	54	147	145	30	842	124	9.6	e6.2	2.7
18	6.8	23	41	44	100	114	27	519	172	8.3	e5.8	2.4
19	7.1	21	179	44	84	488	24	288	96	7.9	e5.5	2.4
20	57	20	158	40	80	136	23	135	52	7.2	e5.4	2.3
21	69	19	68	43	873	87	21	121	38	6.5	e5.3	3.5
22	29	16	56	57	1970	75	15	103	28	6.3	e5.2	112
23	17	14	58	45	255	67	12	78	22	8.1	e5.0	18
24	12	13	1620	40	144	61	75	66	17	6.0	e4.8	6.9
25	11	12	230	38	126	56	193	60	12	5.0	e4.5	4.2
26	11	13	122	39	560	74	51	57	9.2	4.5	e4.3	3.2
27	12	15	94	34	1350	67	33	51	26	4.2	e4.0	2.4
28	214	14	80	34	231	56	24	47	12	3.9	e3.8	2.1
29	113	14	71	289	---	53	19	43	6.6	3.8	3.4	1.7
30	59	e15	67	169	---	47	15	40	32	86	3.2	1.6
31	37	---	325	85	---	43	---	38	---	35	4.7	---
TOTAL	1388.0	4333	4780	2700	9728	3516	6035	12186	4699.8	1593.3	969.1	310.6
MEAN	44.8	144	154	87.1	347	113	201	393	157	51.4	31.3	10.4
MAX	426	2460	1620	637	1970	511	3210	2540	1590	607	263	112
MIN	6.5	12	14	34	61	43	12	11	6.6	3.8	3.2	1.6
MED	16	23	68	45	145	80	37	110	61	10	6.2	3.4
CFSM	0.71	2.29	2.45	1.38	5.51	1.80	3.19	6.24	2.49	0.82	0.50	0.16
IN.	0.82	2.56	2.82	1.59	5.74	2.08	3.56	7.20	2.78	0.94	0.57	0.18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2003, BY WATER YEAR (WY)

MEAN	18.4	71.1	150	218	161	177	186	103	78.2	25.0	14.6	37.8
MAX	44.8	144	297	377	347	308	391	393	203	51.4	34.6	196
(WY)	2003	2003	2002	1999	2003	2002	2000	2003	1999	2003	1998	2002
MIN	0.36	3.32	7.57	20.6	20.0	87.7	99.2	7.07	9.11	1.11	0.44	0.31
(WY)	2001	2000	2000	2000	2000	2000	2002	2000	2002	2000	2000	2000

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1998 - 2003	
ANNUAL TOTAL	42897.82		52238.8			
ANNUAL MEAN	118		143		104	
HIGHEST ANNUAL MEAN					143	2003
LOWEST ANNUAL MEAN					45.7	2000
HIGHEST DAILY MEAN	5070	Jan 24	3210	Apr 7	5070	Jan 24 2002
LOWEST DAILY MEAN	0.39	Sep 12	1.6	Sep 30	0.000	Aug 22 2000
ANNUAL SEVEN-DAY MINIMUM	0.47	Sep 9	2.9	Sep 15	0.00	Aug 22 2000
MAXIMUM PEAK FLOW			10600	Apr 7	11000	Jun 27 1999
MAXIMUM PEAK STAGE			30.78	Apr 7	31.14	Jun 27 1999
ANNUAL RUNOFF (CFSM)	1.87		2.27		1.65	
ANNUAL RUNOFF (INCHES)	25.33		30.85		22.48	
10 PERCENT EXCEEDS	183		288		165	
50 PERCENT EXCEEDS	23		46		15	
90 PERCENT EXCEEDS	1.6		5.4		1.3	

e Estimated

07282090 TOPASHAW CREEK CANAL NEAR DERMA, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY)
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

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	17	45	2.1	28	87	6.7	e14	37	e1.5
2	11	45	1.4	22	81	4.9	e15	37	e1.5
3	8.2	44	0.98	474	479	1280	e16	37	e1.6
4	426	428	773	291	351	327	404	551	992
5	76	121	27	2460	883	7020	306	477	467
6	33	70	6.3	303	248	224	87	231	55
7	29	60	4.7	112	152	47	60	188	30
8	21	46	2.7	72	113	22	50	168	23
9	14	35	1.3	54	92	14	42	150	17
10	16	42	2.0	39	77	8.2	71	203	42
11	27	54	4.0	44	79	9.6	59	139	23
12	15	46	1.9	30	66	5.4	46	126	16
13	9.5	42	1.1	24	57	3.6	177	268	143
14	7.3	39	0.76	22	50	2.9	102	155	44
15	7.7	39	0.81	70	139	34	63	108	19
16	8.9	40	0.96	49	92	13	53	93	13
17	6.5	39	0.69	30	63	5.1	46	85	11
18	6.8	38	0.70	23	56	3.5	41	79	8.7
19	7.1	37	0.71	21	53	3.0	179	214	149
20	57	94	24	20	50	2.7	158	136	58
21	69	109	22	19	48	2.4	68	81	15
22	29	77	6.1	16	46	1.9	56	67	10
23	17	74	3.4	14	44	1.6	58	81	20
24	12	73	2.4	13	42	1.5	1620	449	2380
25	11	73	2.2	12	40	1.3	230	201	128
26	11	73	2.2	13	38	1.3	122	162	54
27	12	72	2.4	15	38	1.5	94	145	37
28	214	269	211	14	38	1.4	80	131	28
29	113	180	55	14	38	1.4	71	116	22
30	59	167	27	e15	37	e1.5	67	102	18
31	37	119	12	---	---	---	325	421	764
		JANUARY			FEBRUARY			MARCH	
1	637	709	1410	70	207	39	146	297	118
2	175	463	219	61	198	33	111	267	81
3	112	433	131	71	259	63	93	259	65
4	89	416	100	249	361	271	83	250	56
5	79	399	85	90	228	56	80	273	61
6	67	383	69	1060	1150	3730	511	556	892
7	61	364	60	458	504	718	152	197	82
8	59	330	53	145	313	124	104	141	40
9	61	294	48	111	294	90	84	105	24
10	51	258	36	190	357	191	70	93	18
11	43	222	26	105	230	66	64	83	14
12	40	186	20	81	197	43	60	74	12
13	42	150	17	70	195	37	130	173	87
14	43	114	13	84	200	45	114	141	45
15	42	82	9.3	464	661	1090	77	108	23
16	44	79	9.4	499	475	783	68	106	20
17	54	81	12	147	213	87	145	214	100
18	44	84	10	100	160	44	114	162	51
19	44	87	10	84	136	31	488	931	1500
20	40	90	9.6	80	117	25	136	361	138
21	43	92	11	873	581	1740	87	196	46
22	57	95	15	1970	1250	9910	75	128	26
23	45	98	12	255	321	224	67	108	20
24	40	98	11	144	256	101	61	93	15
25	38	98	10	126	237	81	56	79	12
26	39	99	10	560	472	916	74	99	20
27	34	99	9.2	1350	658	2940	67	92	17
28	34	99	9.0	231	365	231	56	71	11
29	289	656	797	---	---	---	53	62	8.9
30	169	345	167	---	---	---	47	55	6.9
31	85	246	57	---	---	---	43	47	5.5

Remark codes:
e -- Estimated value

07282090 TOPASHAW CREEK CANAL NEAR DERMA, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY)--Continued
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

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	40	39	4.2	12	53	1.7	34	47	4.3
2	36	32	3.1	11	52	1.5	113	125	128
3	35	32	3.1	47	102	15	246	201	156
4	35	33	3.1	20	76	4.1	66	109	20
5	33	35	3.1	731	652	3120	49	86	11
6	1270	524	7910	2000	1140	12800	228	234	272
7	3210	1280	23200	2540	1270	16800	271	275	226
8	242	244	163	e390	392	e515	83	158	36
9	136	176	65	e175	250	e118	57	111	17
10	105	118	34	e110	206	e60	48	88	11
11	84	97	22	e383	604	e777	582	1430	4730
12	68	87	16	e145	260	e115	1590	1050	8140
13	56	76	12	e90	170	e44	294	201	166
14	46	66	8.2	2430	1270	14900	178	233	118
15	40	56	6.1	449	416	546	127	199	68
16	37	52	5.2	165	272	123	87	162	38
17	30	50	4.1	842	426	1300	124	234	105
18	27	48	3.4	519	381	575	172	271	131
19	24	45	3.0	288	343	274	96	217	62
20	23	43	2.7	135	256	94	52	126	18
21	21	41	2.3	121	184	60	38	104	11
22	15	39	1.5	103	128	36	28	93	7.0
23	12	37	1.1	78	101	22	22	81	4.8
24	75	146	82	66	76	13	17	74	3.3
25	193	234	146	60	66	11	12	68	2.2
26	51	111	16	57	62	9.5	9.2	66	1.6
27	33	70	6.3	51	59	8.2	26	105	7.5
28	24	62	4.0	47	55	7.0	12	65	2.1
29	19	55	2.8	43	52	6.0	6.6	58	1.0
30	15	54	2.1	40	49	5.3	32	87	9.0
31	---	---	---	38	47	4.9	---	---	---
	JULY			AUGUST			SEPTEMBER		
1	21	63	3.7	9.7	60	1.6	6.1	39	0.65
2	12	51	1.7	263	240	577	7.7	43	1.1
3	7.7	46	0.96	152	247	122	61	90	16
4	7.3	45	0.88	40	147	17	12	59	2.0
5	281	463	2390	213	528	320	6.1	44	0.74
6	607	1010	2350	56	299	46	4.3	38	0.45
7	111	259	91	33	153	14	3.6	35	0.34
8	37	119	12	15	110	4.7	2.9	33	0.26
9	22	81	4.8	9.6	92	2.4	2.7	32	0.23
10	90	189	87	7.1	80	1.5	2.6	33	0.23
11	101	142	44	5.8	69	1.1	2.5	33	0.23
12	33	84	7.6	41	139	34	2.4	33	0.22
13	21	61	3.5	e29	112	e8.8	13	51	3.1
14	17	53	2.5	e10	46	e1.2	11	50	1.5
15	13	46	1.6	7.3	41	0.81	4.2	40	0.46
16	10	39	1.1	e6.5	41	e0.72	3.1	37	0.30
17	9.6	38	0.99	e6.2	40	e0.67	2.7	34	0.24
18	8.3	39	0.86	e5.8	39	e0.61	2.4	33	0.21
19	7.9	39	0.82	e5.5	39	e0.58	2.4	33	0.21
20	7.2	39	0.76	e5.4	38	e0.55	2.3	33	0.20
21	6.5	39	0.69	e5.3	38	e0.54	3.5	33	0.31
22	6.3	40	0.67	e5.2	38	e0.53	112	157	71
23	8.1	40	0.87	e5.0	39	e0.53	18	92	4.5
24	6.0	40	0.64	e4.8	39	e0.50	6.9	78	1.5
25	5.0	40	0.53	e4.5	39	e0.47	4.2	62	0.70
26	4.5	39	0.48	e4.3	39	e0.45	3.2	53	0.46
27	4.2	39	0.44	e4.0	40	e0.43	2.4	46	0.30
28	3.9	38	0.40	e3.8	40	e0.41	2.1	42	0.24
29	3.8	38	0.39	3.4	40	0.37	1.7	40	0.19
30	86	268	177	3.2	40	0.34	1.6	38	0.17
31	35	137	16	4.7	39	0.50	---	---	---

Remark codes:
e -- Estimated value

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 mi^2.

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 NGVD of 1929 (levels U. S. Army Corps of Engineers). Prior to Jan. 1, 1972, at datum 10.30 ft higher. October 1947 to Aug. 30, 1948, nonrecording gage, Aug. 31, 1948 to Mar. 23, 1955, water-stage recorder, and Mar. 24, 1955 to Sept. 12, 1958, nonrecording gage at same site.

REMARKS.--Estimated daily discharges: February 4,5. 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 11,000 ft^3/s (revised) and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 11	0145	15,200	23.06	May 6	0715	*28,000	*28.55
Nov. 5	1600	18,100	24.51	May 7	1645	15,400	23.18
Dec. 24	0800	16,500	23.72	May 14	1930	12,400	21.47
Feb. 22	0645	17,700	24.29				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73	24	31	1210	281	450	96	65	44	56	30	47
2	53	16	29	534	220	343	84	56	51	38	21	150
3	41	145	27	339	193	267	76	72	122	31	477	151
4	2300	521	3090	253	e830	226	81	105	61	27	863	131
5	671	8520	3500	218	e250	210	76	289	42	26	400	62
6	186	2330	591	184	2240	425	280	17000	49	187	2100	39
7	412	501	311	155	2270	285	5060	7330	102	58	1420	34
8	259	282	221	148	514	214	624	2290	62	34	208	32
9	105	192	171	145	343	181	297	567	42	28	89	28
10	2430	146	226	136	703	148	217	340	35	47	56	26
11	7110	125	278	117	402	139	175	2380	305	55	44	24
12	699	98	186	106	267	119	137	722	1220	29	43	23
13	247	70	876	101	197	1000	108	307	345	24	247	31
14	110	59	655	98	362	664	87	5230	146	44	202	32
15	66	124	287	93	2450	278	75	2710	100	29	63	26
16	48	283	202	100	2670	200	66	533	294	23	43	23
17	32	133	161	114	625	195	60	2430	155	35	35	21
18	23	82	126	94	345	279	55	1430	1400	31	31	21
19	18	65	158	90	254	2720	51	619	338	24	36	20
20	20	59	465	95	503	619	52	313	325	20	31	19
21	21	53	214	97	2150	311	357	241	99	18	29	30
22	17	46	142	94	10400	211	173	202	64	17	28	2690
23	14	45	128	81	1740	168	79	150	60	17	27	465
24	12	39	9220	67	671	133	1040	108	42	16	25	121
25	11	38	1290	72	862	117	4790	97	35	14	24	65
26	11	40	529	77	2650	210	606	108	34	14	24	47
27	11	45	363	75	2400	206	268	81	51	13	110	40
28	19	40	292	74	754	139	161	67	40	13	337	35
29	190	36	247	1380	---	224	105	59	33	14	64	30
30	166	37	223	1050	---	198	83	52	36	104	101	28
31	47	---	294	402	---	122	---	48	---	95	50	---
TOTAL	15422	14194	24533	7799	37546	11001	15419	46001	5732	1181	7258	4491
MEAN	497	473	791	252	1341	355	514	1484	191	38.1	234	150
MAX	7110	8520	9220	1380	10400	2720	5060	17000	1400	187	2100	2690
MIN	11	16	27	67	193	117	51	48	33	13	21	19
CFSM	1.96	1.86	3.12	0.99	5.28	1.40	2.02	5.84	0.75	0.15	0.92	0.59
IN.	2.26	2.08	3.59	1.14	5.50	1.61	2.26	6.74	0.84	0.17	1.06	0.66

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2003, BY WATER YEAR (WY)

MEAN	56.3	256	515	627	755	841	641	384	221	95.3	64.1	84.1
MAX	497	1922	3035	2091	2703	3426	2356	1729	1825	661	460	895
(WY)	2003	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1948 - 2003	
ANNUAL TOTAL	233458.5		190577			
ANNUAL MEAN	640		522		376	
HIGHEST ANNUAL MEAN					767	1991
LOWEST ANNUAL MEAN					74.6	1981
HIGHEST DAILY MEAN	16700	May 3	17000	May 6	35100	Dec 26 1982
LOWEST DAILY MEAN	6.8	Sep 16	11	Oct 25	1.0	Aug 18 1954
ANNUAL SEVEN-DAY MINIMUM	7.3	Sep 10	14	Oct 22	1.1	Aug 14 1954
MAXIMUM PEAK FLOW			28000	May 6	61400	Mar 21 1955
MAXIMUM PEAK STAGE			28.55	May 6	34.41	Mar 21 1955
ANNUAL RUNOFF (CFSM)	2.52		2.06		1.48	
ANNUAL RUNOFF (INCHES)	34.19		27.91		20.13	
10 PERCENT EXCEEDS	1110		1110		736	
50 PERCENT EXCEEDS	76		117		46	
90 PERCENT EXCEEDS	11		25		7.0	

e Estimated

07285500 YALOBUSHA RIVER AT GRENADA,MS

LOCATION.--Lat 33°47'16", long 89°48'35",in SE1/4 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.--1550 mi^2, 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 NGVD of 1929 (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.--Estimated daily discharges: October 24-25. Records good except for estimated daily discharges, which are poor. 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 ft^3/s from records of U.S. Army Corps of Engineers.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1380	4400	4230	10000	5290	5270	2790	231	3710	1710	3570	3760
2	1300	4350	4580	7280	5720	5040	2770	279	3740	2780	3550	3850
3	643	5130	5310	6500	5630	5310	2750	327	2740	3760	3540	3770
4	3220	6510	5880	6270	6230	6010	2740	302	2210	3730	3530	3690
5	959	9820	3980	6190	5740	6160	2750	1310	2070	3750	3720	3620
6	369	5000	4170	6100	5940	6550	4080	5140	2850	3680	3630	3600
7	1980	2420	5610	6010	5660	6370	13600	1770	3800	3080	3530	3580
8	2360	3540	6230	5960	5760	6130	3660	1110	3770	3290	3510	3550
9	2820	4140	6160	5930	6090	6030	1860	1090	3740	2850	3500	3540
10	4690	4040	6230	5810	6280	5520	2760	1610	3730	2880	3490	3530
11	10200	4000	6240	5610	6050	4730	2800	1690	3920	3060	2700	3520
12	1800	4290	6120	5530	5870	4100	2650	1770	3760	3040	2720	3530
13	794	4600	6520	5800	5730	4750	2560	1840	1170	3140	2570	3500
14	1550	4560	6570	6030	5670	4730	2800	1890	925	3090	2670	3490
15	2270	4600	6200	5950	5800	4010	3030	2270	777	2380	3440	2550
16	2840	4610	6090	5820	4820	3890	2960	1950	1230	2010	3430	2370
17	3650	4530	6040	5760	3460	3840	2910	2480	3010	1230	3430	2420
18	4130	4480	5980	5620	4220	3350	2880	2820	4030	1680	3420	2470
19	4450	4470	6320	5490	5550	4000	2860	1800	3390	3650	3400	3480
20	4560	4430	7130	5370	6100	3910	2840	1410	3510	3650	3390	3490
21	5060	4440	6110	5570	6980	3690	2580	1520	3820	3650	3550	3220
22	4410	4420	5860	5900	11000	3620	2000	2540	3790	3650	3780	3730
23	3770	4400	5750	5780	3450	3590	1400	3330	3770	3650	3720	2870
24	e3730	4380	8480	5540	2590	3560	964	3830	3750	3230	3700	3460
25	e4400	4360	2090	5420	4490	3530	696	3810	3740	3560	3680	3850
26	4390	4340	1020	5310	6390	3610	358	3800	3740	3550	3670	3820
27	4380	4350	1980	5200	9510	3630	282	3780	3250	3540	3060	3800
28	4410	4320	3930	5350	6170	3530	255	3770	2230	3540	1080	3770
29	5120	4290	5540	5400	---	3510	235	3750	2070	3550	3240	3750
30	4940	4260	6160	3910	---	3450	224	3740	2280	3550	3700	3730
31	4510	---	6330	4040	---	3080	---	3730	---	3620	3690	---
TOTAL	105085	137480	168840	180450	162190	138500	77044	70689	90522	97530	103610	103310
MEAN	3390	4583	5446	5821	5792	4468	2568	2280	3017	3146	3342	3444
MAX	10200	9820	8480	10000	11000	6550	13600	5140	4030	3760	3780	3850
MIN	369	2420	1020	3910	2590	3080	224	231	777	1230	1080	2370
CFSM	2.19	2.96	3.51	3.76	3.74	2.88	1.66	1.47	1.95	2.03	2.16	2.22
IN.	2.52	3.30	4.05	4.33	3.89	3.32	1.85	1.70	2.17	2.34	2.49	2.48

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2003, BY WATER YEAR (WY)

MEAN	2599	2904	3540	4507	3749	3174	2380	1968	1736	1809	2764	2899
MAX	5075	4963	6461	6227	6149	5756	4228	9529	5646	4904	4808	5652
(WY)	1998	1990	1990	1999	2002	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1989 - 2003	
ANNUAL TOTAL	1485743		1435250			
ANNUAL MEAN	4071		3932		2803	
HIGHEST ANNUAL MEAN					4441	1991
LOWEST ANNUAL MEAN					1107	2000
HIGHEST DAILY MEAN	15100	Jan 25	13600	Apr 7	21900	Apr 29 1991
LOWEST DAILY MEAN	369	Oct 6	224	Apr 30	30	Oct 3 1990
ANNUAL SEVEN-DAY MINIMUM	1260	Sep 30	262	Apr 27	33	Sep 27 1990
MAXIMUM PEAK FLOW			16200	Apr 7	23000	Apr 29 1991
MAXIMUM PEAK STAGE			23.04	Apr 7	27.54	Apr 29 1991
ANNUAL RUNOFF (CFSM)	2.63		2.54		1.81	
ANNUAL RUNOFF (INCHES)	35.66		34.45		24.57	
10 PERCENT EXCEEDS	6260		6090		5710	
50 PERCENT EXCEEDS	3540		3730		2540	
90 PERCENT EXCEEDS	1940		1770		318	

e Estimated

07287150 ABIACA CREEK NEAR SEVEN PINES, MS

LOCATION.--Lat 33°20'24", long 90°09'05", in NW¼ SE¼ 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 mi^2.

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 NGVD of 1929. 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: Oct. 7-16, Dec. 21-26, Jan. 23-24, Feb. 5, Mar. 4-5, 11-12, 29, Apr. 6-14, 16, June 16, Aug. 5-8, Sept. 24, 29-30. Discharge records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF DAILY RECORD.--
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: Peak discharges greater than base discharge of 2,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 22	0400	*3,240	*16.12	No other peak greater than base discharge.			

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 1,680 mg/L, Feb. 22; minimum daily mean, 20 mg/L, Dec. 30, July 12.
SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 11,000 tons, Feb. 22; minimum daily, 2.0 tons, July 12, 26-29.

07287150 ABIACA CREEK NEAR SEVEN PINES, MS--Continued

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69	38	44	1130	81	260	65	47	40	44	32	53
2	61	37	43	363	75	186	64	47	41	43	33	57
3	57	42	41	194	76	151	64	49	45	42	40	50
4	97	46	147	136	138	e120	64	47	41	41	36	47
5	67	992	178	111	e96	e110	63	47	40	41	e143	43
6	54	528	91	94	337	1050	e86	48	40	45	e82	43
7	e49	201	69	86	484	389	e542	47	41	44	e117	47
8	e47	123	58	81	197	227	e220	46	41	43	e61	47
9	e47	95	53	78	138	169	e130	45	40	42	50	42
10	e195	82	52	74	125	138	e100	45	39	46	48	41
11	e500	73	49	72	108	e115	e85	51	59	49	47	41
12	e205	65	48	69	96	e102	e75	48	1020	37	48	40
13	e135	60	64	68	89	146	e69	46	219	36	47	43
14	e90	56	67	67	86	155	e64	47	425	53	45	49
15	e67	56	59	67	177	120	61	47	171	39	46	44
16	e55	53	54	67	324	108	e59	45	e95	36	46	41
17	49	52	50	65	170	101	57	83	82	35	47	41
18	45	50	48	64	123	95	56	73	75	35	46	40
19	44	49	62	64	103	104	55	57	67	35	45	40
20	89	47	96	64	93	97	54	52	58	35	45	40
21	119	47	e70	62	990	89	53	49	54	35	45	46
22	64	46	e59	66	2210	87	51	47	52	34	44	204
23	53	45	e55	e62	1130	84	50	46	51	33	44	84
24	48	46	e826	e61	626	81	50	45	49	33	43	e55
25	47	45	e270	60	323	74	54	45	48	32	43	47
26	44	47	e170	60	524	75	52	45	47	32	43	46
27	42	46	119	59	1360	74	51	43	73	32	127	44
28	42	45	93	58	517	71	49	42	53	32	68	43
29	46	45	82	105	---	e70	48	42	47	31	55	e41
30	44	44	75	127	---	67	47	41	47	41	49	e39
31	40	---	228	89	---	66	---	41	---	37	48	---
TOTAL	2611	3201	3420	3823	10796	4781	2538	1503	3200	1193	1713	1538
MEAN	84.2	107	110	123	386	154	84.6	48.5	107	38.5	55.3	51.3
MAX	500	992	826	1130	2210	1050	542	83	1020	53	143	204
MIN	40	37	41	58	75	66	47	41	39	31	32	39
CFSM	0.88	1.12	1.16	1.30	4.05	1.62	0.89	0.51	1.12	0.40	0.58	0.54
IN.	1.02	1.25	1.34	1.49	4.22	1.87	0.99	0.59	1.25	0.47	0.67	0.60

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2003, BY WATER YEAR (WY)

MEAN	41.5	50.3	142	171	196	210	229	109	74.5	67.9	48.1	40.4
MAX	84.2	107	352	489	386	431	572	256	219	232	72.0	70.7
(WY)	2003	2003	1992	1999	2003	1997	2000	1997	1997	1994	1992	1992
MIN	30.6	29.7	37.3	36.0	36.5	83.2	74.6	36.5	32.0	29.1	24.3	24.7
(WY)	2000	2000	2000	2000	2000	1996	1998	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2003 WATER YEAR		WATER YEARS 1992 - 2003	
ANNUAL TOTAL	40317			
ANNUAL MEAN	110		115	
HIGHEST ANNUAL MEAN			152	1997
LOWEST ANNUAL MEAN			85.1	2000
HIGHEST DAILY MEAN	2210	Feb 22	4470	Apr 2 2000
LOWEST DAILY MEAN	31	Jul 29	18	Sep 30 2000
ANNUAL SEVEN-DAY MINIMUM	32	Jul 23	21	Aug 31 2000
MAXIMUM PEAK FLOW	3240	Feb 22	6080	Apr 2 2000
MAXIMUM PEAK STAGE	16.12	Feb 22	20.48	Apr 2 2000
ANNUAL RUNOFF (CFSM)	1.16		1.20	
ANNUAL RUNOFF (INCHES)	15.75		16.35	
10 PERCENT EXCEEDS	177		177	
50 PERCENT EXCEEDS	54		49	
90 PERCENT EXCEEDS	41		31	

e Estimated

07287150 ABIACA CREEK NEAR SEVEN PINES, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY)
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

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	69	55	10	38	31	3.1	44	26	3.1
2	61	50	8.3	37	30	3.0	43	26	3.0
3	57	47	7.3	42	30	3.3	41	26	2.9
4	97	200	59	46	37	4.6	147	290	171
5	67	67	12	992	904	3430	178	220	116
6	54	61	8.9	528	295	451	91	99	25
7	e49	58	e7.7	201	175	96	69	70	13
8	e47	55	e7.0	123	120	40	58	50	7.8
9	e47	52	e6.6	95	88	22	53	41	5.9
10	e195	372	e454	82	80	18	52	35	5.0
11	e500	817	e1100	73	74	15	49	30	4.0
12	e205	235	e130	65	67	12	48	29	3.7
13	e135	109	e40	60	61	10	64	29	5.0
14	e90	75	e18	56	55	8.4	67	29	5.2
15	e67	65	e12	56	50	7.5	59	28	4.5
16	e55	59	e8.8	53	46	6.6	54	28	4.1
17	49	56	7.3	52	43	6.0	50	28	3.8
18	45	54	6.6	50	39	5.3	48	28	3.6
19	44	52	6.2	49	36	4.7	62	52	9.5
20	89	121	46	47	32	4.1	96	132	34
21	119	145	52	47	29	3.7	e70	93	e18
22	64	71	13	46	28	3.5	e59	77	e12
23	53	61	8.7	45	28	3.4	e55	93	e14
24	48	57	7.4	46	27	3.4	e826	619	e1580
25	47	53	6.8	45	27	3.3	e270	277	e202
26	44	50	5.9	47	26	3.4	e170	146	e67
27	42	46	5.1	46	26	3.2	119	75	24
28	42	42	4.8	45	26	3.2	93	43	11
29	46	39	4.8	45	26	3.2	82	27	6.0
30	44	35	4.1	44	26	3.1	75	20	4.1
31	40	32	3.4	---	---	---	228	301	1090
		JANUARY			FEBRUARY			MARCH	
1	1130	1020	3630	81	35	7.7	260	110	78
2	363	351	382	75	29	5.9	186	87	44
3	194	140	75	76	36	8.1	151	78	32
4	136	100	37	138	176	69	e120	77	e25
5	111	82	25	e96	77	e20	e110	77	e23
6	94	64	16	337	629	1110	1050	1420	4940
7	86	48	11	484	492	752	389	340	375
8	81	45	9.7	197	166	92	227	209	129
9	78	45	9.5	138	110	41	169	149	69
10	74	46	9.2	125	85	29	138	106	40
11	72	47	9.0	108	63	19	e115	84	e25
12	69	47	8.8	96	59	15	e102	64	e18
13	68	48	8.8	89	58	14	146	183	114
14	67	49	8.8	86	58	13	155	241	105
15	67	49	8.9	177	334	260	120	142	46
16	67	50	9.0	324	599	563	108	124	36
17	65	48	8.4	170	243	114	101	110	30
18	64	46	8.0	123	161	53	95	97	25
19	64	44	7.6	103	128	36	104	84	23
20	64	42	7.2	93	96	24	97	77	20
21	62	40	6.7	990	1200	4440	89	72	17
22	66	38	6.7	2210	1680	11000	87	66	16
23	e62	36	e6.0	1130	652	2040	84	61	14
24	e61	34	e5.6	626	384	662	81	56	12
25	60	31	5.1	323	266	235	74	50	10
26	60	29	4.6	524	468	917	75	45	9.1
27	59	26	4.2	1360	816	3310	74	42	8.4
28	58	24	3.8	517	240	361	71	41	7.8
29	105	184	68	---	---	---	e70	39	e7.4
30	127	163	60	---	---	---	67	37	6.7
31	89	64	15	---	---	---	66	35	6.2

Remark codes:
e -- Estimated value

07287150 ABIACA CREEK NEAR SEVEN PINES, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY)--Continued
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

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	65	33	5.8	47	33	4.2	40	31	3.4
2	64	31	5.4	47	37	4.7	41	29	3.3
3	64	31	5.3	49	41	5.4	45	28	3.4
4	64	31	5.2	47	45	5.7	41	27	2.9
5	63	30	5.2	47	49	6.1	40	29	3.1
6	e86	93	e38	48	52	6.8	40	33	3.6
7	e542	393	e622	47	55	7.0	41	36	4.1
8	e220	171	e102	46	55	6.9	41	40	4.4
9	e130	115	e40	45	55	6.7	40	43	4.6
10	e100	91	e25	45	54	6.6	39	46	4.8
11	e85	76	e17	51	54	7.4	59	142	104
12	e75	66	e13	48	53	6.8	1020	1310	4760
13	e69	58	e11	46	52	6.5	219	213	131
14	e64	49	e8.5	47	52	6.6	425	737	1020
15	61	46	7.5	47	51	6.4	171	248	122
16	e59	43	e6.9	45	50	6.1	e95	130	e33
17	57	41	6.3	83	146	41	82	88	19
18	56	38	5.8	73	98	20	75	73	15
19	55	36	5.3	57	61	9.3	67	58	11
20	54	34	4.9	52	52	7.2	58	46	7.3
21	53	31	4.5	49	49	6.4	54	43	6.3
22	51	29	3.9	47	47	6.0	52	41	5.8
23	50	27	3.6	46	45	5.6	51	38	5.2
24	50	27	3.6	45	44	5.3	49	36	4.8
25	54	27	3.9	45	42	5.2	48	33	4.3
26	52	28	3.9	45	41	5.0	47	31	3.9
27	51	28	3.9	43	39	4.6	73	76	17
28	49	29	3.8	42	38	4.3	53	44	6.4
29	48	29	3.8	42	36	4.1	47	37	4.7
30	47	30	3.8	41	34	3.8	47	35	4.4
31	---	---	---	41	33	3.6	---	---	---
	JULY			AUGUST			SEPTEMBER		
1	44	33	4.0	32	41	3.6	53	93	15
2	43	32	3.7	33	47	4.3	57	114	19
3	42	30	3.4	40	63	7.6	50	115	17
4	41	29	3.2	36	48	4.8	47	94	12
5	41	28	3.0	e143	265	e150	43	53	6.1
6	45	26	3.2	e82	95	e21	43	52	6.0
7	44	25	3.0	e117	122	e44	47	51	6.4
8	43	23	2.7	e61	64	e10	47	50	6.4
9	42	22	2.5	50	55	7.4	42	50	5.6
10	46	48	6.6	48	51	6.7	41	55	6.1
11	49	34	4.6	47	48	6.0	41	62	6.8
12	37	20	2.0	48	44	5.6	40	68	7.4
13	36	21	2.1	47	40	5.1	43	74	8.6
14	53	79	12	45	36	4.4	49	80	11
15	39	41	4.4	46	33	4.0	44	86	10
16	36	37	3.6	46	33	4.1	41	93	10
17	35	33	3.1	47	34	4.3	41	98	11
18	35	31	2.9	46	35	4.3	40	98	11
19	35	29	2.8	45	36	4.4	40	95	10
20	35	28	2.7	45	37	4.4	40	93	9.9
21	35	27	2.5	45	37	4.5	46	90	11
22	34	25	2.4	44	38	4.5	204	605	397
23	33	24	2.2	44	38	4.5	84	203	50
24	33	24	2.1	43	39	4.5	e55	66	e9.8
25	32	24	2.1	43	39	4.5	47	41	5.4
26	32	24	2.0	43	40	4.6	46	38	4.9
27	32	23	2.0	127	890	744	44	35	4.2
28	32	23	2.0	68	344	85	43	32	3.8
29	31	23	2.0	55	248	43	e41	29	e3.2
30	41	51	8.3	49	134	18	e39	26	e2.7
31	37	52	5.5	48	96	12	---	---	---

Remark codes:
e -- Estimated value

07287160 ABIACA CREEK AT CRUGER, MS

LOCATION.--Lat 33°20'29", long 90°14'14", in NE¼ NW¼ 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 mi^2.

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 NGVD of 1929. Automatic pumping sediment sampler since October 1991.

REMARKS.--Estimated daily discharges: Oct. 12-30. Discharge records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 3,320 mg/L, Feb. 15, 1992; minimum daily mean, 1 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: Peak discharges greater than base discharge of 2,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 22	1030	*2,290	*10.99	No other peak greater than base discharge.			

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 1,860 mg/L, June 12; minimum daily mean, 23 mg/L Dec. 12.
SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 4,150 tons, June 12; minimum daily, 2.0 tons, July 29.

07287160 ABIACA CREEK AT CRUGER, MS--Continued

Discharge, cubic feet per second
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77	39	37	1070	79	263	64	45	40	40	34	41
2	64	37	36	407	69	180	62	44	41	38	36	54
3	58	39	33	206	66	141	61	46	48	36	38	41
4	93	46	91	141	119	119	60	45	43	36	45	44
5	82	688	217	111	97	108	59	43	42	36	153	38
6	64	698	105	95	184	863	64	45	42	39	99	37
7	71	243	71	84	468	401	603	45	44	37	118	39
8	61	143	58	78	209	220	253	43	43	36	55	43
9	59	101	52	74	139	161	145	42	42	36	43	37
10	171	82	52	71	124	130	109	42	42	39	38	36
11	879	73	49	68	107	112	92	49	48	46	36	35
12	e263	63	46	65	93	102	83	47	775	39	36	35
13	e155	58	60	64	84	117	77	44	250	38	37	36
14	e105	54	68	62	79	173	73	46	342	54	34	42
15	e77	54	58	61	116	127	68	46	179	44	33	39
16	e63	52	52	62	299	111	139	43	110	39	33	37
17	e55	50	47	60	178	104	64	67	85	38	35	35
18	e50	48	42	59	126	98	61	86	75	37	34	35
19	e47	48	48	58	104	102	59	60	64	36	34	34
20	e64	45	79	58	93	100	59	52	56	36	34	34
21	e144	44	61	58	661	93	57	49	50	35	35	39
22	e83	43	49	61	1890	90	54	47	46	34	36	159
23	e63	42	45	59	1340	86	52	45	44	34	35	101
24	e52	42	963	57	624	84	53	44	41	33	34	59
25	e51	42	510	57	298	75	57	44	40	32	34	48
26	e47	43	209	56	340	75	56	45	39	32	33	43
27	e46	42	122	56	1280	75	54	43	63	32	77	41
28	e46	40	85	55	603	71	51	42	54	31	71	40
29	e48	40	67	82	---	71	48	41	44	31	61	39
30	e45	39	58	133	---	67	47	40	44	33	42	39
31	42	---	73	92	---	65	---	40	---	46	41	---
TOTAL	3225	3078	3543	3720	9869	4584	2784	1460	2876	1153	1504	1380
MEAN	104	103	114	120	352	148	92.8	47.1	95.9	37.2	48.5	46.0
MAX	879	698	963	1070	1890	863	603	86	775	54	153	159
MIN	42	37	33	55	66	65	47	40	39	31	33	34
CFSM	1.09	1.07	1.19	1.25	3.68	1.55	0.97	0.49	1.00	0.39	0.51	0.48
IN.	1.25	1.20	1.38	1.45	3.84	1.78	1.08	0.57	1.12	0.45	0.58	0.54

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2003, BY WATER YEAR (WY)

MEAN	43.0	51.1	136	154	170	174	190	100	67.5	61.0	42.3	37.1
MAX	104	103	311	420	352	340	462	223	160	192	65.1	59.3
(WY)	2003	2003	1992	1999	2003	1995	2000	1997	1997	1994	1995	1992
MIN	26.0	31.9	40.1	39.3	35.3	75.7	72.8	37.7	33.3	26.7	21.4	21.5
(WY)	2000	2000	2000	2000	2000	1996	1992	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2003 WATER YEAR		WATER YEARS 1992 - 2003	
ANNUAL TOTAL	39176			
ANNUAL MEAN	107		102	
HIGHEST ANNUAL MEAN			126	1997
LOWEST ANNUAL MEAN			75.2	2000
HIGHEST DAILY MEAN	1890	Feb 22	2590	Apr 23 1995
LOWEST DAILY MEAN	31	Jul 28	14	Sep 1 2000
ANNUAL SEVEN-DAY MINIMUM	32	Jul 24	16	Aug 26 2000
MAXIMUM PEAK FLOW	2290	Feb 22	3440	Apr 23 1995
MAXIMUM PEAK STAGE	10.99	Feb 22	11.81	Apr 2 2000
ANNUAL RUNOFF (CFSM)	1.12		1.06	
ANNUAL RUNOFF (INCHES)	15.23		14.47	
10 PERCENT EXCEEDS	175		158	
50 PERCENT EXCEEDS	55		50	
90 PERCENT EXCEEDS	36		29	

e Estimated

07287160 ABIACA CREEK AT CRUGER, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY)
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

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	77	68	14	39	39	4.0	37	34	3.4
2	64	54	9.2	37	37	3.7	36	36	3.5
3	58	40	6.3	39	36	3.8	33	38	3.4
4	93	162	47	46	37	4.6	91	228	117
5	82	142	32	688	974	2350	217	305	203
6	64	86	15	698	382	758	105	63	19
7	71	256	51	243	221	148	71	42	8.0
8	61	189	31	143	152	59	58	37	5.8
9	59	67	11	101	120	33	52	33	4.6
10	171	358	315	82	99	22	52	28	4.0
11	879	1320	3650	73	80	16	49	24	3.2
12	e263	332	e244	63	63	11	46	23	2.9
13	e155	187	e80	58	54	8.4	60	35	5.7
14	e105	117	e34	54	45	6.5	68	44	8.1
15	e77	86	e18	54	38	5.5	58	40	6.3
16	e63	63	e11	52	36	5.1	52	37	5.2
17	e55	56	e8.3	50	36	4.8	47	35	4.4
18	e50	56	e7.6	48	35	4.6	42	33	3.7
19	e47	56	e7.2	48	34	4.4	48	37	4.9
20	e64	99	e25	45	34	4.1	79	58	13
21	e144	220	e96	44	33	3.9	61	37	6.1
22	e83	70	e16	43	32	3.7	49	36	4.7
23	e63	58	e9.8	42	30	3.4	45	35	4.3
24	e52	56	e7.9	42	29	3.3	963	847	2160
25	e51	54	e7.3	42	28	3.1	510	249	361
26	e47	51	e6.6	43	26	3.0	209	128	75
27	e46	49	e6.0	42	25	2.9	122	91	30
28	e46	47	e5.8	40	27	3.0	85	70	16
29	e48	45	e5.8	40	29	3.2	67	58	10
30	e45	42	e5.2	39	31	3.3	58	51	7.9
31	42	40	4.5	---	---	---	73	118	53
		JANUARY			FEBRUARY			MARCH	
1	1070	642	1880	79	72	15	263	143	104
2	407	211	246	69	64	12	180	91	45
3	206	135	76	66	61	11	141	77	29
4	141	107	41	119	128	42	119	74	24
5	111	88	26	97	79	21	108	72	21
6	95	77	20	184	444	465	863	961	2620
7	84	68	15	468	587	829	401	296	336
8	78	65	14	209	242	141	220	175	105
9	74	64	13	139	117	44	161	123	54
10	71	63	12	124	77	26	130	97	34
11	68	62	11	107	56	16	112	79	24
12	65	61	11	93	51	13	102	62	17
13	64	59	10	84	50	11	117	90	37
14	62	58	9.8	79	48	10	173	148	73
15	61	57	9.4	116	270	135	127	94	32
16	62	56	9.3	299	568	469	111	87	26
17	60	53	8.7	178	285	140	104	81	23
18	59	51	8.1	126	170	59	98	75	20
19	58	48	7.5	104	126	35	102	69	19
20	58	45	7.0	93	99	25	100	64	17
21	58	42	6.6	661	910	2320	93	59	15
22	61	39	6.5	1890	770	3920	90	55	13
23	59	36	5.8	1340	378	1370	86	50	12
24	57	34	5.3	624	349	606	84	46	10
25	57	36	5.5	298	230	187	75	41	8.3
26	56	37	5.7	340	298	345	75	37	7.5
27	56	39	5.8	1280	450	1520	75	35	7.1
28	55	40	5.9	603	210	348	71	34	6.5
29	82	83	24	---	---	---	71	33	6.2
30	133	114	42	---	---	---	67	32	5.8
31	92	68	17	---	---	---	65	30	5.4

Remark codes:
e -- Estimated value

07287160 ABIACA CREEK AT CRUGER, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY)--Continued
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2002--Continue3

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	64	29	5.0	45	37	4.6	40	37	3.9
2	62	28	4.8	44	39	4.6	41	36	4.0
3	61	28	4.7	46	40	5.0	48	35	4.5
4	60	28	4.6	45	42	5.0	43	34	3.9
5	59	29	4.5	43	43	5.0	42	33	3.7
6	64	38	7.3	45	45	5.4	42	32	3.6
7	603	1240	2180	45	46	5.5	44	32	3.7
8	253	259	188	43	46	5.3	43	31	3.6
9	145	146	58	42	46	5.3	42	30	3.4
10	109	105	31	42	46	5.3	42	29	3.2
11	92	92	23	49	46	6.1	48	27	3.6
12	83	79	18	47	46	5.8	775	1860	4150
13	77	66	14	44	46	5.5	250	289	231
14	73	53	10	46	46	5.7	342	897	969
15	68	49	9.0	46	46	5.7	179	478	240
16	139	47	8.4	43	46	5.4	110	246	74
17	64	45	7.7	67	102	21	85	148	34
18	61	43	7.0	86	106	25	75	88	18
19	59	41	6.5	60	75	12	64	66	11
20	59	39	6.2	52	66	9.2	56	47	7.2
21	57	37	5.6	49	62	8.2	50	43	5.8
22	54	34	5.0	47	59	7.5	46	41	5.1
23	52	32	4.6	45	56	6.8	44	38	4.5
24	53	32	4.6	44	53	6.3	41	36	4.0
25	57	33	5.1	44	50	6.0	40	33	3.6
26	56	34	5.1	45	48	5.8	39	31	3.3
27	54	34	5.0	43	45	5.2	63	38	6.6
28	51	35	4.8	42	42	4.8	54	35	5.1
29	48	35	4.6	41	39	4.4	44	34	4.1
30	47	36	4.6	40	38	4.2	44	33	3.9
31	---	---	---	40	37	4.1	---	---	---
		JULY			AUGUST			SEPTEMBER	
1	40	36	3.9	34	29	2.6	41	69	7.6
2	38	37	3.8	36	27	2.6	54	119	19
3	36	35	3.4	38	28	2.9	41	81	9.0
4	36	31	3.0	45	32	3.9	44	91	11
5	36	29	2.8	153	677	456	38	68	7.0
6	39	28	2.9	99	310	93	37	64	6.5
7	37	26	2.6	118	455	174	39	60	6.4
8	36	25	2.5	55	97	15	43	57	6.5
9	36	24	2.3	43	57	6.6	37	56	5.6
10	39	27	2.9	38	53	5.5	36	69	6.7
11	46	30	3.7	36	49	4.8	35	85	8.1
12	39	27	2.9	36	45	4.4	35	100	9.4
13	38	26	2.7	37	42	4.2	36	116	11
14	54	40	6.0	34	38	3.5	42	131	15
15	44	44	5.2	33	35	3.1	39	147	16
16	39	39	4.1	33	40	3.5	37	162	16
17	38	34	3.5	35	46	4.3	35	176	17
18	37	32	3.2	34	52	4.8	35	163	15
19	36	31	3.0	34	58	5.4	34	140	13
20	36	30	2.9	34	64	5.8	34	117	11
21	35	28	2.7	35	64	6.0	39	127	14
22	34	27	2.5	36	62	6.0	159	440	222
23	34	26	2.4	35	61	5.7	101	200	58
24	33	26	2.3	34	59	5.4	59	76	12
25	32	25	2.2	34	57	5.2	48	48	6.2
26	32	25	2.2	33	56	5.0	43	46	5.4
27	32	25	2.1	77	366	193	41	45	5.0
28	31	25	2.1	71	289	81	40	43	4.6
29	31	24	2.0	61	227	44	39	41	4.3
30	33	30	2.8	42	100	11	39	39	4.0
31	46	39	5.0	41	83	9.1	---	---	---

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 mi^2.

PERIOD OF RECORD.--February 1987 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 171.14 ft above NGVD of 1929.

REMARKS.--Estimated daily discharges: Nov. 7-13 and Jan. 7-13. 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 3,000 ft^3/s, and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Feb. 21	1045	5,250	19.33	Apr. 7	0030	5,260	19.35
Feb. 22	0215	*5,700	*20.16	Jun. 17	1900	4,080	16.99
Feb. 27	0330	3,740	16.27				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	24	31	1030	63	301	25	40	30	56	33	55
2	51	23	31	232	55	207	24	41	29	54	31	50
3	50	28	31	115	51	151	24	40	30	52	41	49
4	61	45	371	85	61	130	24	39	31	49	79	42
5	51	1140	353	75	70	113	33	38	30	47	61	38
6	46	442	89	69	541	515	1070	38	83	50	51	35
7	77	e170	59	e64	720	169	2310	40	358	47	46	65
8	53	e90	49	e52	237	95	525	38	57	45	41	44
9	47	e75	44	e49	199	76	288	37	42	43	34	39
10	101	e50	50	e47	288	62	202	36	37	65	32	36
11	610	e40	50	e46	142	54	140	309	39	53	31	32
12	83	e55	43	e45	105	48	94	105	1490	43	32	31
13	45	e70	133	e44	89	69	75	51	703	40	34	31
14	36	54	96	43	85	63	61	74	909	39	32	30
15	32	64	57	43	164	45	57	77	258	38	32	30
16	29	57	46	44	358	38	53	52	122	36	31	30
17	28	47	41	45	137	35	50	137	1110	35	31	30
18	27	43	37	42	100	34	48	128	672	34	31	30
19	26	41	95	42	86	195	46	65	253	33	31	29
20	128	40	151	42	86	61	46	48	127	33	31	29
21	104	41	66	45	3090	40	47	43	94	32	37	71
22	39	53	49	43	2880	34	44	41	81	31	37	238
23	30	46	54	41	684	32	43	40	73	30	33	67
24	27	42	1250	40	347	29	48	36	69	30	32	40
25	26	39	307	40	239	28	69	36	64	29	34	35
26	29	39	132	40	669	34	51	35	62	29	33	33
27	26	40	96	40	2040	33	45	34	66	30	33	33
28	48	35	79	40	545	29	45	32	62	29	35	30
29	70	33	70	284	---	28	44	31	57	29	35	28
30	39	32	74	218	---	27	41	31	56	34	40	28
31	28	---	325	82	---	26	---	29	---	38	37	---
TOTAL	2102	2998	4359	3167	14131	2801	5672	1821	7094	1233	1151	1358
MEAN	67.8	99.9	141	102	505	90.4	189	58.7	236	39.8	37.1	45.3
MAX	610	1140	1250	1030	3090	515	2310	309	1490	65	79	238
MIN	26	23	31	40	51	26	24	29	29	29	31	28
CFSM	0.77	1.13	1.60	1.16	5.73	1.03	2.15	0.67	2.68	0.45	0.42	0.51
IN.	0.89	1.27	1.84	1.34	5.97	1.18	2.39	0.77	3.00	0.52	0.49	0.57

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2003, BY WATER YEAR (WY)

MEAN	48.7	97.2	159	239	244	246	259	119	121	67.9	43.6	51.7
MAX	162	302	365	683	505	377	864	302	621	253	113	110
(WY)	1989	2001	2002	1999	2003	2002	1991	1989	1997	1989	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
(WY)	1988	1991	2000	2000	2000	1992	1987	1988	1988	2000	2000	1997

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1987 - 2003	
ANNUAL TOTAL	44460		47887			
ANNUAL MEAN	122		131		142	
HIGHEST ANNUAL MEAN					217	1991
LOWEST ANNUAL MEAN					69.4	1992
HIGHEST DAILY MEAN	2670	Jan 24	3090	Feb 21	13000	Jun 10 1997
LOWEST DAILY MEAN	20	Aug 5	23	Nov 2	11	Aug 1 1994
ANNUAL SEVEN-DAY MINIMUM	20	Sep 5	25	Mar 29	15	Sep 4 1987
MAXIMUM PEAK FLOW			5700	Feb 22	18600	Jun 10 1997
MAXIMUM PEAK STAGE			20.16	Feb 22	27.89	Jun 10 1997
ANNUAL RUNOFF (CFSM)	1.38		1.49		1.61	
ANNUAL RUNOFF (INCHES)	18.77		20.22		21.93	
10 PERCENT EXCEEDS	213		245		238	
50 PERCENT EXCEEDS	43		46		42	
90 PERCENT EXCEEDS	23		30		23	

e Estimated

07288280 BIG SUNFLOWER RIVER NEAR MERIGOLD, MS
(National Water-Quality Assesssment 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 08030207, 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 mi^2.

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 NGVD of 1929 (Mississippi Department of Transportation datum).

REMARKS.--Estimated daily discharges: Dec. 5,6, 10-13, Feb. 10-15 and Apr. 6-8, 10-20. 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 3,100 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 12	0530	6,470	29.39	May 9	0745	6,930	30.35
Dec. 25	0745	*7,980	*32.40	May 21	0115	5,030	26.19
Feb. 23	1815	4,870	25.79				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2800	79	35	4490	70	3810	148	220	570	336	605	144
2	2380	68	29	4060	51	3190	125	149	465	296	488	413
3	1980	244	26	3380	52	2550	119	111	399	229	333	906
4	2400	1070	218	2670	122	2050	92	97	353	177	264	755
5	2410	2460	e830	2130	104	1610	73	522	325	166	224	495
6	2290	2660	e1180	1680	159	1180	e150	5200	315	178	194	279
7	2200	2870	1070	1190	757	806	e1340	5710	422	208	346	167
8	2280	2770	732	742	668	507	e1100	6670	478	200	466	107
9	2340	2470	437	440	439	350	746	6910	344	189	406	63
10	5630	2110	e230	312	e340	259	e500	6690	228	194	277	47
11	6180	1900	e190	262	e270	204	e220	6320	184	248	175	43
12	6440	1550	e110	234	e200	177	e155	5870	1660	257	119	45
13	6210	958	e600	200	e160	157	e115	5250	1760	239	110	66
14	5760	572	1110	164	e100	259	e95	4570	1720	227	127	91
15	5170	319	1150	136	e1400	480	e75	3870	1530	212	169	93
16	4500	224	1030	115	2510	472	e69	3210	1390	198	175	87
17	3800	198	672	96	2500	338	e65	3610	1580	187	154	73
18	3090	167	397	75	2370	237	e55	4280	2500	190	145	62
19	2440	125	3040	62	2080	1270	e45	4790	2530	225	132	47
20	1950	100	5450	52	1790	1460	e39	4990	2560	591	135	30
21	1450	98	5840	45	2350	1430	116	5000	2360	762	153	28
22	956	87	6050	36	4870	1180	102	4840	2080	603	207	972
23	560	65	6040	29	4790	790	175	4520	1730	397	253	1200
24	337	52	7440	27	4710	484	407	4070	1280	286	188	1020
25	242	44	7940	29	4340	313	651	3540	836	222	138	684
26	190	38	7640	31	4190	249	648	2960	516	171	115	351
27	156	41	7110	35	4470	245	684	2410	374	158	117	150
28	136	45	6480	32	4290	250	666	1980	322	169	140	85
29	130	45	5810	39	---	286	537	1560	272	164	153	61
30	115	43	5110	55	---	287	357	1040	239	166	152	54
31	95	---	4450	64	---	206	---	772	---	576	140	---
TOTAL	76617	23472	88446	22912	50152	27086	9669	111731	31322	8421	6800	8618
MEAN	2472	782	2853	739	1791	874	322	3604	1044	272	219	287
MAX	6440	2870	7940	4490	4870	3810	1340	6910	2560	762	605	1200
MIN	95	38	26	27	51	157	39	97	184	158	110	28
CFSM	4.47	1.41	5.16	1.34	3.24	1.58	0.58	6.52	1.89	0.49	0.40	0.52
IN.	5.15	1.58	5.95	1.54	3.37	1.82	0.65	7.52	2.11	0.57	0.46	0.58

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2003, BY WATER YEAR (WY)

MEAN	493	412	1563	1413	1426	1482	870	877	722	651	358	196
MAX	2472	1133	6794	2344	3968	2853	1753	3604	2311	2201	803	638
(WY)	2003	2001	2002	1998	1994	1997	2000	2003	1997	1994	1993	2002
MIN	22.1	15.6	201	32.0	269	220	277	176	214	232	206	52.8
(WY)	1996	1996	2000	2000	1993	1993	1994	1996	2002	2000	1995	1995

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1993 - 2003	
ANNUAL TOTAL	499902		465246			
ANNUAL MEAN	1370		1275		871	
HIGHEST ANNUAL MEAN					1674	2002
LOWEST ANNUAL MEAN					390	1996
HIGHEST DAILY MEAN	7940	Dec 25	7940	Dec 25	9100	Dec 17 2001
LOWEST DAILY MEAN	26	Dec 3	26	Dec 3	7.8	Sep 28 2001
ANNUAL SEVEN-DAY MINIMUM	38	Nov 27	31	Jan 22	8.8	Dec 1 1995
MAXIMUM PEAK FLOW			7980	Dec 25	9260	Dec 1 2001
MAXIMUM PEAK STAGE			32.40	Dec 25	34.73	Dec 1 2001
INSTANTANEOUS LOW FLOW			24	Dec 3,4	6.8	Oct 31 1993
ANNUAL RUNOFF (CFSM)	2.48		2.30		1.58	
ANNUAL RUNOFF (INCHES)	33.63		31.30		21.40	
10 PERCENT EXCEEDS	4140		4480		2680	
50 PERCENT EXCEEDS	503		338		245	
90 PERCENT EXCEEDS	86		63		39	

e Estimated

07288500 BIG SUNFLOWER RIVER AT SUNFLOWER, MS

LOCATION.--Lat 33°32'50", long 90°32'35", in NW1/4 NE1/4 sec.6, T.19 N., R.3 W., Choctaw Meridian, Sunflower County, Hydrologic Unit 08030207, near right bank on downstream side of highway bridge, 0.5 mi northwest of Sunflower, 2.5 mi downstream from Jones Bayou, and 19.0 mi upstream from Quiver River.

DRAINAGE AREA.--767 mi^2 (1,987 km^2).

PERIOD OF RECORD.--October 1935 to September 30, 1980; October 2002 to current year. Prior to October 1938, monthly discharge only published in WSP 1311. February 1918 to September 1935 (gage heights only), October 1980 to September 1995 in reports of Corps of Engineers, Vicksburg district. Prior to October 1, 1972, published as Sunflower River at Sunflower, Miss.

REVISED RECORDS.--WSP 1211: Drainage area. WDR Miss. 1970: 1969(M).

GAGE.--Water-stage recorder. Datum of gage is 92.95 ft NGVD of 1929 (levels by U. S. Army Corps of Engineers). Prior to Nov. 28, 1934, nonrecording gage on upstream side of bridge at datum 93.00 ft (28.346 m) lower. Nov. 28, 1934, to June 30, 1947, nonrecording gage on upstream side of bridge at present datum.

REMARKS.--No estimated daily discharges. Records good. Diversion for irrigation of about 5,000 acres and withdrawal of an average of about 6 ft^3/s for industrial use above station. At times streamflow is augmented by waste irrigation water, which is pumped from wells. U.S. Army Corps of Engineers satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4360	112	58	5780	135	5650	303	462	1190	415	777	229
2	4090	96	53	5660	115	5370	228	315	822	464	853	245
3	3720	156	47	5360	98	4950	183	214	704	461	735	691
4	3620	1270	130	4890	120	4420	173	155	672	397	580	1060
5	3820	2300	963	4300	151	3810	159	194	552	339	463	959
6	3780	3430	1580	3650	249	3170	248	1300	472	425	397	687
7	3630	3860	1630	2960	965	2530	2270	3130	483	451	382	436
8	3480	3920	1380	2200	1200	1950	2910	4350	555	418	517	264
9	3400	3780	1010	1390	987	1380	2550	5050	576	375	610	161
10	4210	3500	676	881	741	925	1950	5400	464	345	532	103
11	5480	3090	443	576	553	617	1290	5570	342	366	388	72
12	5960	2680	307	404	433	429	724	5610	1170	413	275	59
13	6150	2200	510	307	327	352	381	5560	2180	408	233	69
14	6160	1580	1230	244	260	335	220	5420	2460	393	240	82
15	6060	1000	1530	196	402	361	161	5150	2450	368	267	102
16	5850	607	1460	164	2030	536	134	4770	2280	335	278	104
17	5520	375	1190	144	2910	586	117	4390	2130	345	257	89
18	5070	264	870	124	3130	500	109	4250	2610	425	214	70
19	4520	214	753	105	3060	552	97	4410	3250	365	192	55
20	3940	171	2160	90	2830	1350	75	4600	3420	408	223	42
21	3290	138	3700	80	2940	1750	61	4780	3370	649	242	38
22	2590	125	4580	79	4230	1810	80	4840	3170	775	253	501
23	1840	116	4960	64	5280	1580	138	4840	2860	680	280	1480
24	1180	101	5670	55	5540	1180	187	4750	2440	517	295	1650
25	719	84	6260	47	5610	801	435	4570	1930	393	246	1400
26	439	75	6520	53	5630	549	684	4290	1370	326	185	964
27	279	66	6560	56	5800	394	745	3910	923	276	156	566
28	209	56	6480	57	5810	328	779	3460	663	257	252	296
29	174	56	6330	96	---	316	763	2920	527	257	405	150
30	152	59	6110	196	---	347	639	2330	454	287	359	89
31	135	---	5870	184	---	366	---	1720	---	531	285	---
TOTAL	103827	35481	81020	40392	61536	49194	18793	112710	46489	12864	11371	12713
MEAN	3349	1183	2614	1303	2198	1587	626	3636	1550	415	367	424
MAX	6160	3920	6560	5780	5810	5650	2910	5610	3420	775	853	1650
MIN	135	56	47	47	98	316	61	155	342	257	156	38
CFSM	4.37	1.54	3.41	1.70	2.87	2.07	0.82	4.74	2.02	0.54	0.48	0.55
IN.	5.04	1.72	3.93	1.96	2.98	2.39	0.91	5.47	2.25	0.62	0.55	0.62

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936 - 2003, BY WATER YEAR (WY)

MEAN	352	672	1179	1880	1949	1951	1655	1343	756	525	371	334
MAX	3349	3629	3954	5938	4613	6146	5380	6078	5782	2076	1499	2347
(WY)	2003	1958	1969	1974	1950	1973	1979	1958	1974	1958	1971	1958
MIN	72.0	99.9	113	123	174	253	280	206	151	100	90.8	101
(WY)	1979	1957	1966	1966	1977	1954	1978	1977	1966	1956	1956	1956

SUMMARY STATISTICS	FOR 2003 WATER YEAR		WATER YEARS 1936 - 2003	
ANNUAL TOTAL	586390			
ANNUAL MEAN	1607		1076	
HIGHEST ANNUAL MEAN			2323	1974
LOWEST ANNUAL MEAN			325	1936
HIGHEST DAILY MEAN	6560	Dec 27	15000	Mar 18 1973
LOWEST DAILY MEAN	38	Sep 21	38	Sep 21 2003
ANNUAL SEVEN-DAY MINIMUM	56	Nov 27	56	Nov 27 2002
MAXIMUM PEAK FLOW	6570	Dec 27		
MAXIMUM PEAK STAGE	25.01	Dec 27	28.37	Mar 18 1973
ANNUAL RUNOFF (CFSM)	2.09		1.40	
ANNUAL RUNOFF (INCHES)	28.44		19.07	
10 PERCENT EXCEEDS	4910		3100	
50 PERCENT EXCEEDS	576		393	
90 PERCENT EXCEEDS	102		134	

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 08030207, 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 mi^2, 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 NGVD of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Estimated daily discharges: April 22 - June 18. 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.

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft
Oct. 12	0100	6,120	22.91	Feb. 23	0900	7,700	24.76
Dec. 25	1800	*7,870	*24.94	Feb. 27	1300	5,300	21.84

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	571	27	23	1350	64	3000	79	e60	e640	393	730	285
2	298	29	23	1460	58	1810	71	e88	e580	515	752	267
3	168	44	24	968	55	1190	61	e140	e500	428	675	367
4	1280	906	165	566	74	819	54	e170	e440	316	647	446
5	3040	2970	974	327	89	576	50	e84	e455	266	510	376
6	2570	4840	978	199	168	483	286	e72	e400	300	412	254
7	1410	4110	644	147	972	440	3920	e160	e345	395	360	155
8	882	2470	380	118	891	290	3610	e2500	e305	387	350	102
9	709	1240	235	96	470	184	1570	e2200	e283	345	341	79
10	3180	645	150	84	323	135	567	e1200	e270	354	295	69
11	5850	362	103	77	295	109	259	e550	e260	326	231	61
12	5880	354	76	68	224	94	155	e360	e250	294	174	58
13	4450	343	433	61	156	150	111	e230	e240	248	167	54
14	2240	233	993	55	145	239	86	e360	e830	228	201	51
15	935	154	863	51	413	143	71	e3000	e2400	223	217	48
16	421	110	568	48	3070	99	62	e1800	e4300	207	231	48
17	215	81	343	47	3030	85	54	e1000	e4200	194	225	45
18	118	60	216	46	1630	76	49	e600	e3700	192	205	40
19	79	49	368	44	808	1310	46	e460	3570	219	170	37
20	62	43	3270	41	578	2070	43	e375	2430	480	148	35
21	50	37	4760	40	1890	1240	43	e315	1080	740	164	35
22	39	34	4690	39	6200	626	e42	e270	531	649	177	108
23	32	32	4160	40	7600	329	e41	e250	310	475	157	609
24	31	30	6350	38	6520	195	e54	e225	216	352	142	676
25	29	29	7760	39	4710	128	e66	e200	172	276	127	412
26	35	29	7420	39	3920	100	e86	e190	160	225	120	231
27	27	29	6100	42	5150	78	e60	e178	164	188	112	132
28	25	28	4420	44	4540	47	e45	e165	187	168	124	80
29	25	26	2800	62	---	108	e40	e155	188	156	263	53
30	24	25	1620	67	---	87	e44	e360	218	165	339	39
31	23	---	1060	68	---	86	---	e430	---	242	341	---
TOTAL	34698	19369	61969	6371	54043	16326	11725	18147	29624	9946	9107	5252
MEAN	1119	646	1999	206	1930	527	391	585	987	321	294	175
MAX	5880	4840	7760	1460	7600	3000	3920	3000	4300	740	752	676
MIN	23	25	23	38	55	47	40	60	160	156	112	35
CFSM	2.31	1.33	4.13	0.42	3.99	1.09	0.81	1.21	2.04	0.66	0.61	0.36
IN.	2.67	1.49	4.76	0.49	4.15	1.25	0.90	1.39	2.28	0.76	0.70	0.40

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2003, BY WATER YEAR (WY)

MEAN	439	475	1517	1408	1232	1117	883	600	562	379	322	222
MAX	1683	1650	4928	3144	2527	2135	2201	1338	1360	589	541	632
(WY)	2002	2001	2002	1999	2001	1997	2000	1997	1997	2001	2001	2001
MIN	6.73	6.84	153	46.7	256	354	383	38.9	234	146	164	34.5
(WY)	1996	1996	2000	2000	1996	1996	1998	1996	2001	2000	2000	1999

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1996 - 2003	
ANNUAL TOTAL	359610		276577			
ANNUAL MEAN	985		758		762	
HIGHEST ANNUAL MEAN					1287	2002
LOWEST ANNUAL MEAN					346	1996
HIGHEST DAILY MEAN	7760	Dec 25	7760	Dec 25	9670	Apr 4 2000
LOWEST DAILY MEAN	23	Oct 31	23	Oct 31	5.5	Oct 20 2000
ANNUAL SEVEN-DAY MINIMUM	25	Nov 27	25	Nov 27	5.5	Oct 26 2000
MAXIMUM PEAK FLOW			7870	Dec 25	9750	Apr 3 2000
MAXIMUM PEAK STAGE			24.94	Dec 25	27.91	Dec 2 2001
INSTANTANEOUS LOW FLOW			23	Oct 30a	5.3	Oct 24 2000
ANNUAL RUNOFF (CFSM)	2.04		1.57		1.57	
ANNUAL RUNOFF (INCHES)	27.64		21.26		21.39	
10 PERCENT EXCEEDS	3180		2530		2340	
50 PERCENT EXCEEDS	289		225		171	
90 PERCENT EXCEEDS	45		40		19	

e Estimated
a Also occurred on Oct. 31, Dec. 1-4.

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 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Sampling depth, feet (00003)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Location in X-sect. looking dwnstrm ft from l bank (00009)
NOV										
06...	1030	4920	--	130	765	8.4	6.8	123	12.5	--
JAN										
13...	1115	61	--	130	770	9.5	7.7	234	6.0	--
MAR										
03...	1130	1180	--	200	765	11.4	7.4	91	5.5	--
APR										
08...	1200	3660	--	590	760	6.1	7.2	95	17.8	--
MAY										
14...	1055	--	1.00	--	--	5.9	6.4	101	23.7	25.0
14...	1056	--	6.90	--	--	5.9	6.4	101	23.7	25.0
14...	1057	--	1.00	--	--	5.9	6.5	101	23.7	40.0
14...	1058	--	8.90	--	--	5.8	6.5	101	23.7	40.0
14...	1059	--	1.00	--	--	5.8	6.5	101	23.7	55.0
14...	1100	--	7.90	--	--	5.8	6.5	101	23.7	55.0
14...	1101	--	1.00	--	--	5.8	6.5	101	23.7	75.0
14...	1102	--	7.60	--	--	5.8	6.5	101	23.7	75.0
14...	1103	--	1.00	--	--	5.8	6.5	101	23.7	90.0
14...	1104	--	7.50	--	--	5.8	6.5	101	23.7	90.0
14...	1105	--	1.00	--	--	5.8	6.5	101	23.7	125
14...	1106	--	5.80	--	--	5.8	6.5	101	23.7	125
14...	1145	732	--	220	770	5.8	6.5	101	23.7	--
JUN										
05...	1200	455	--	170	771	5.6	7.0	315	25.0	--
JUL										
01...	1100	382	--	100	759	5.3	7.1	325	27.5	--
AUG										
13...	0800	163	--	62	765	6.2	7.8	569	27.3	--
SEP										
05...	1100	382	--	71	759	5.9	7.4	417	27.0	--

Date	Time	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Suspended sediment concentration mg/L (80154)
NOV												
06...	1030	E51	E63	2.71	8.6	1.0	E.04	.59	.011	.18	.38	302
JAN												
13...	1115	112	136	2.75	11.6	.92	.08	.21	E.006	.03	.25	320
MAR												
03...	1130	E35	E43	1.37	4.4	.82	E.04	.31	<.008	.07	.27	307
APR												
08...	1200	--	--	2.03	7.2	2.0	.17	1.20	.063	.08	.52	439
MAY												
14...	1145	E32	E39	3.00	5.7	1.2	.17	.47	.060	.16	.47	169
JUN												
05...	1200	87	105	6.57	44.7	2.0	.45	1.30	.125	.05	.26	174
JUL												
01...	1100	107	129	4.97	36.8	1.3	.16	1.58	.223	.04	.174	138
SEP												
05...	1100	157	192	9.55	32.1	.78	<.04	.08	E.007	E.13	.25	110

Remark codes:
< -- Less than
E -- Estimated value

07288650 BOGUE PHALIA NEAR LELAND, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

Date	2,6-Di-ethyl-aniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686)	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Butyl-ate, water, fltrd, ug/L (04028)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carbo-furan, water, fltrd 0.7u GF ug/L (82674)	Chlor-pyrifos water, fltrd, ug/L (38933)
NOV												
06...	<.006	E.005	<.006	<.004	<.005	.019	<.050	<.010	<.002	<.041	<.020	<.005
JAN												
13...	<.006	E.003	<.006	<.010	<.005	.024	<.050	<.010	<.002	<.041	<.020	<.005
MAR												
03...	<.006	E.003	<.006	<.004	<.005	.053	<.050	<.010	<.002	<.041	<.020	<.005
APR												
08...	<.006	E.175	<.010	<.004	<.005	10.8	<.050	<.010	<.002	<.041	<.020	<.005
MAY												
14...	<.006	E.160	<.006	.006	<.005	2.64	<.050	<.010	<.002	E.004	<.020	<.005
JUN												
05...	<.006	E.159	<.006	<.004	<.005	.618	<.050	<.010	<.002	<.041	<.020	<.005
JUL												
01...	<.006	E.058	<.006	<.004	<.005	.656	<.050	<.010	<.002	<.041	<.020	<.005
SEP												
05...	<.006	E.004	<.006	.011	<.005	.024	<.050	<.010	<.002	<.041	<.020	<.005

Date	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)	Cyana-zine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulf-inyl fipro-nil, water, fltrd, ug/L (62170)	Diazi-non, water, fltrd, ug/L (39572)	Diel-drin, water, fltrd, ug/L (39381)	Disul-foton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal-flur-alin, water, fltrd 0.7u GF ug/L (82663)	Etho-prop, water, fltrd 0.7u GF ug/L (82672)	Desulf-inyl-fipro-nil amide, wat flt ug/L (62169)	Fipro-nil sulfide water, fltrd, ug/L (62167)
NOV												
06...	<.006	<.018	<.003	<.004	<.010	<.005	<.02	<.002	<.009	<.005	<.009	E.004
JAN												
13...	<.006	<.018	<.003	<.004	<.005	<.005	<.02	<.002	<.009	<.005	<.009	<.005
MAR												
03...	<.006	E.008	<.003	<.004	.006	<.005	<.02	<.002	<.009	<.005	<.009	.005
APR												
08...	<.006	<.018	<.003	<.004	E.005	<.005	<.02	<.002	<.009	<.005	<.009	<.005
MAY												
14...	<.006	E.015	<.003	.004	<.005	.017	<.02	<.002	<.009	<.005	<.009	<.005
JUN												
05...	<.006	<.018	<.003	<.004	<.005	<.005	<.02	<.002	<.009	<.005	<.009	<.005
JUL												
01...	<.006	<.018	<.003	<.004	<.005	<.005	<.02	<.002	<.009	<.005	<.009	<.005
SEP												
05...	<.006	<.018	<.003	.004	<.005	.156	<.02	<.002	<.009	<.005	E.006	.008

Date	Fipro-nil sulfone water, fltrd, ug/L (62168)	Fipro-nil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Mala-thion, water, fltrd, ug/L (39532)	Methyl para-thion, water, fltrd 0.7u GF ug/L (82667)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Moli-nate, water, fltrd 0.7u GF ug/L (82671)	Naprop-amide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)
NOV												
06...	<.005	<.007	<.003	<.004	<.035	.051	<.006	.036	<.006	.012	<.007	<.003
JAN												
13...	<.005	<.007	<.003	<.004	<.035	<.027	<.100	.025	<.006	.023	<.007	<.003
MAR												
03...	<.005	<.007	<.003	<.004	<.035	E.006	<.006	.116	<.006	.008	<.007	<.003
APR												
08...	<.005	E.009	<.003	E.003	<.035	E.013	<.006	1.63	.007	.006	<.007	<.005
MAY												
14...	<.005	E.013	<.003	<.004	<.035	E.005	<.006	.733	<.006	.031	<.007	<.003
JUN												
05...	<.005	<.007	<.003	<.004	<.035	<.027	<.006	.925	.008	.940	<.007	<.005
JUL												
01...	<.005	<.007	<.003	<.004	<.035	<.027	<.006	.681	<.006	1.83	<.007	<.003
SEP												
05...	.009	E.005	<.003	<.004	E.009	E.022	.009	.098	<.006	.020	<.007	<.003

Remark codes:
< -- Less than
E -- Estimated value

07288650 BOGUE PHALIA NEAR LELAND, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

Date	Para-thion, water, fltrd, ug/L (39542)	Peb-ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prome-ton, water, fltrd, ug/L (04037)	Pron-amide, water, fltrd 0.7u GF ug/L (82676)	Propa-chlor, water, fltrd, ug/L (04024)	Pro-panil, water, fltrd 0.7u GF ug/L (82679)	Propar-gite, water, fltrd 0.7u GF ug/L (82685)	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Terba-cil, water, fltrd 0.7u GF ug/L (82665)
NOV												
06...	<.010	<.004	<.022	<.011	M	<.004	<.010	<.011	<.02	.084	<.02	<.034
JAN												
13...	<.010	<.100	<.022	<.011	<.01	<.004	<.010	<.011	<.02	.025	E.01	<.034
MAR												
03...	<.010	<.004	E.015	<.011	<.01	<.004	<.010	<.011	<.02	.015	<.02	<.034
APR												
08...	<.010	<.010	.144	<.011	<.01	<.004	<.010	<.020	<.02	.500	<.02	<.034
MAY												
14...	<.010	<.004	.075	<.011	M	<.004	<.010	.018	<.02	.030	<.02	<.034
JUN												
05...	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	.017	<.02	<.034
JUL												
01...	<.010	<.004	<.022	<.011	<.01	<.004	<.010	E.006	<.02	<.005	<.02	<.034
SEP												
05...	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034

Date	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)
NOV				
06...	<.02	<.005	<.002	<.009
JAN				
13...	<.02	<.005	<.002	<.009
MAR				
03...	<.02	<.005	<.002	<.009
APR				
08...	<.02	E.005	<.002	.012
MAY				
14...	<.02	.027	<.002	<.009
JUN				
05...	<.02	<.005	<.002	<.009
JUL				
01...	<.02	<.005	<.002	<.009
SEP				
05...	<.02	<.005	<.002	<.009

Date	Time	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)
AUG						
13...	0845	12.1	98	110.4	4.8	7.9

Remark codes:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

0728875070 DEER CREEK EAST OF LELAND, MS

LOCATION.--Lat 33°24'04", long 90°53'31", in NW1/4 NE1/4 sec.23, T.18 N., R.7 W., Choctaw Meridian, Washington County, Hydrologic Unit 08030209, on right bank at downstream side of footbridge over Deer Creek between Leland High School and the vocational school, 1100 feet upstream of the U.S. Highway 12 bridge over Deer Creek and 2100 feet below the old U.S. Highway 61 crossing over Deer Creek in Leland.

DRAINAGE AREA.--80.0 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 2001 to current year.

GAGE.--Water-stage recorder. Datum of gage is 107 ft above NGVD of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Mar. 29,30, and Jun. 5,6. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD:-- Maximum discharge 800 ft^3/s, Dec. 17, 2001, maximum gage height 12.49 ft, December 17, 2001, no flow for several days in 2002 and 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 457 ft^3/s, February 27, maximum gage height 10.42 ft, February 27, no flow May 31, Jun. 1, Aug. 24-31, and Sept. 6-21, 26-30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	15	5.0	145	11	383	42	11	0.00	4.9	12	1.9
2	8.4	13	3.8	133	9.3	315	39	9.3	0.16	2.5	12	5.4
3	5.4	18	3.4	125	9.4	249	35	7.7	0.64	1.4	12	2.1
4	49	21	19	111	8.6	206	32	6.1	7.7	0.66	12	0.60
5	40	90	17	98	6.5	171	29	5.6	e25	0.24	11	0.01
6	57	95	15	84	15	143	59	5.0	e37	0.24	9.5	0.00
7	66	138	28	73	19	125	122	16	31	1.1	8.6	0.00
8	59	161	33	65	15	112	229	42	25	4.4	6.8	0.00
9	59	148	30	59	17	99	309	47	21	7.1	5.5	0.00
10	107	123	26	53	20	87	280	39	16	14	6.5	0.00
11	79	96	20	48	19	77	224	35	11	26	6.3	0.00
12	82	75	16	43	18	70	171	28	46	28	5.9	0.00
13	87	60	31	38	17	75	125	30	34	23	5.6	0.00
14	84	48	21	36	18	70	89	32	42	17	3.2	0.00
15	77	40	22	33	20	68	64	26	41	11	1.7	0.00
16	67	31	31	33	35	67	47	18	39	5.8	1.2	0.00
17	58	26	33	30	86	63	37	28	71	1.8	0.97	0.00
18	50	22	29	28	117	60	29	21	84	0.08	0.74	0.00
19	45	20	35	26	107	77	24	38	53	0.86	0.72	0.00
20	40	18	30	25	88	106	21	54	35	5.2	1.1	0.00
21	35	16	38	24	110	157	19	49	30	15	0.67	0.00
22	31	12	58	22	195	160	16	40	31	19	0.32	7.8
23	28	9.9	68	20	328	139	14	33	28	15	0.01	3.9
24	25	9.0	130	18	422	114	19	25	22	10	0.00	1.2
25	25	8.6	169	19	424	92	25	18	15	6.4	0.00	0.22
26	25	9.9	263	19	429	79	19	12	13	3.1	0.00	0.00
27	22	9.2	313	18	445	67	17	7.4	11	1.7	0.00	0.00
28	20	7.6	284	16	425	58	15	4.9	5.5	2.1	0.00	0.00
29	19	6.8	234	20	---	e53	14	2.6	2.7	3.1	0.00	0.00
30	17	6.3	193	16	---	e47	13	0.21	5.4	6.2	0.00	0.00
31	15	---	167	12	---	44	---	0.00	---	11	0.00	---
TOTAL	1394.8	1353.3	2365.2	1490	3433.8	3633	2178	690.81	783.10	247.88	124.33	23.13
MEAN	45.0	45.1	76.3	48.1	123	117	72.6	22.3	26.1	8.00	4.01	0.77
MAX	107	161	313	145	445	383	309	54	84	28	12	7.8
MIN	5.4	6.3	3.4	12	6.5	44	13	0.00	0.00	0.08	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2003, BY WATER YEAR (WY)

MEAN	45.0	45.1	76.3	147	189	134	116	33.3	17.5	9.77	5.10	4.69
MAX	45.0	45.1	76.3	245	256	151	159	44.3	26.1	11.5	6.19	8.62
(WY)	2003	2003	2003	2002	2002	2002	2002	2002	2003	2002	2002	2002
MIN	45.0	45.1	76.3	48.1	123	117	72.6	22.3	8.97	8.00	4.01	0.77
(WY)	2003	2003	2003	2003	2003	2003	2003	2003	2002	2003	2003	2003

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2002 - 2003	
ANNUAL TOTAL	31774.03		17717.35			
ANNUAL MEAN	87.1		48.5		48.5	
HIGHEST ANNUAL MEAN					48.5	2003
LOWEST ANNUAL MEAN					48.5	2003
HIGHEST DAILY MEAN	640	Jan 29	445	Feb 27	774	Dec 17 2001
LOWEST DAILY MEAN	0.00	Jun 20	0.00	May 31	0.00	Jun 20 2002
ANNUAL SEVEN-DAY MINIMUM	0.00	Jun 20	0.00	Aug 24	0.00	Jun 20 2002
MAXIMUM PEAK FLOW			457	Feb 27	800	Dec 17 2001
MAXIMUM PEAK STAGE			10.42	Feb 27	12.49	Dec 17 2001
10 PERCENT EXCEEDS	252		125		125	
50 PERCENT EXCEEDS	33		21		21	
90 PERCENT EXCEEDS	1.3		0.22		0.22	

e Estimated

0728875070 DEER CREEK EAST OF LELAND, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1996, 2002 to current year.

PERIOD OF DAILY RECORD.--
TURBIDITY: December 2001 to current year.
DISSOLVED OXYGEN: December 2001 to current year.
pH: December 2001 to current year.
SPECIFIC CONDUCTANCE: December 2001 to current year.
WATER TEMPERATURE: December 2001 to current year.

INSTRUMENTATION.--Water-quality monitor since December 2001.

REMARKS.--Turbidity records excellent. Dissolved oxygen records good. pH records excellent. Specific conductance records excellent. Water temperature records excellent. Interruptions in the record were due to malfunctions of the instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--
TURBIDITY: Maximum, 1,600 NTU, Apr. 7, 10, 2003; minimum, 2.0 NTU, Aug. 1, 2003.
DISSOLVED OXYGEN: Maximum, 14.7 mg/L, June 10, 2003; minimum, 0 mg/L, on several days in water years 2002 and 2003.
pH: Maximum, 8.9 units, May 2, July 3, 2003; minimum, 6.7 units, June 18, 2003.
SPECIFIC CONDUCTANCE: Maximum, 576 microsiemens, Sept. 19, 2002; minimum, 44 microsiemens, Jan. 27, 28, 2002.
WATER TEMPERATURE: Maximum, 34.4°C, July 17, 2003; minimum, 3.1°C, Jan. 4, 2002.

EXTREMES FOR CURRENT YEAR.--
TURBIDITY: Maximum, 1,600 NTU, Apr. 7, 10; minimum, 2.0 NTU, Aug. 1.
DISSOLVED OXYGEN: Maximum, 14.7 mg/L, June 10; minimum, 0.0 mg/L, May 30.
pH: Maximum, 8.9 units, May 2, July 3; minimum, 6.7 units, June 18.
SPECIFIC CONDUCTANCE: Maximum, 486 microsiemens, Aug. 13, 19; minimum, 78 microsiemens, June 18.
WATER TEMPERATURE: Maximum, 34.4°C, July 17; minimum, 3.2°C, Jan. 27.

WATER QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling depth, feet (00003)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Suspended sediment concentration mg/L (80154)	Location in X-sect. looking dwnstrm ft from l bank (00009)
OCT												
11...	1150	8.41	76	--	--	--	--	--	--	--	57	--
22...	1045	7.92	30	--	--	773	--	--	--	--	37	--
22...	1046	--	--	1.00	24	--	9.6	7.9	197	17.0	--	16.0
22...	1047	--	--	1.00	24	--	9.4	7.8	197	16.9	--	26.0
22...	1048	--	--	1.00	23	--	9.4	7.8	197	17.0	--	36.0
22...	1049	--	--	1.00	22	--	9.5	7.8	197	16.9	--	46.0
22...	1050	--	--	1.00	22	--	9.8	7.9	196	17.1	--	56.0
22...	1051	--	--	1.00	22	--	9.9	7.9	197	17.3	--	66.0
22...	1052	--	--	1.00	21	--	10.0	8.0	197	17.4	--	76.0
22...	1053	--	--	1.00	21	--	10.0	8.0	197	17.4	--	86.0
22...	1054	--	--	1.00	20	--	10.0	8.0	197	17.4	--	96.0
22...	1055	--	--	1.00	21	--	10.0	8.0	197	17.5	--	106
NOV												
04...	1130	7.79	20	--	--	771	--	--	--	--	51	--
04...	1131	--	--	1.00	26	--	9.4	7.7	222	13.1	--	21.0
04...	1132	--	--	1.00	27	--	9.4	7.7	222	13.1	--	31.0
04...	1133	--	--	1.00	27	--	9.4	7.7	221	13.2	--	41.0
04...	1134	--	--	1.00	24	--	9.3	7.7	221	13.2	--	51.0
04...	1135	--	--	1.00	23	--	9.4	7.8	221	13.2	--	61.0
04...	1136	--	--	1.00	23	--	9.5	7.8	221	13.2	--	71.0
04...	1137	--	--	1.00	25	--	9.5	7.8	221	13.2	--	81.0
04...	1138	--	--	1.00	22	--	9.5	7.8	221	13.2	--	91.0
04...	1139	--	--	1.00	21	--	9.5	7.8	221	13.2	--	101
04...	1140	--	--	1.00	21	--	9.5	7.8	221	13.2	--	111
21...	1330	7.73	16	--	--	769	--	--	--	--	53	--
21...	1331	--	--	1.00	34	--	8.9	7.3	217	13.8	--	15.0
21...	1332	--	--	1.00	34	--	9.0	7.3	217	13.8	--	25.0
21...	1333	--	--	1.00	34	--	9.0	7.3	217	13.7	--	35.0
21...	1334	--	--	1.00	35	--	8.9	7.4	217	13.8	--	45.0
21...	1335	--	--	1.00	35	--	8.9	7.3	217	13.8	--	55.0
21...	1336	--	--	1.00	35	--	8.9	7.3	218	13.8	--	65.0
21...	1337	--	--	1.00	34	--	8.8	7.3	219	13.8	--	75.0
21...	1338	--	--	1.00	34	--	8.7	7.3	219	13.7	--	85.0
21...	1339	--	--	1.00	37	--	8.6	7.3	219	13.7	--	95.0
21...	1340	--	--	1.00	37	--	8.5	7.3	219	13.8	--	105
DEC												
04...	1515	7.88	27	--	--	768	--	--	--	--	99	--
04...	1516	--	--	1.00	32	--	9.7	7.6	278	9.1	--	21.0
04...	1517	--	--	1.00	33	--	9.6	7.6	279	9.1	--	31.0
04...	1518	--	--	1.00	34	--	9.6	7.6	280	9.1	--	41.0
04...	1519	--	--	1.00	32	--	9.6	7.6	281	9.1	--	51.0
04...	1520	--	--	1.00	31	--	9.6	7.6	282	9.1	--	61.0
04...	1521	--	--	1.00	30	--	9.6	7.6	282	9.1	--	71.0
04...	1522	--	--	1.00	31	--	9.6	7.6	282	9.1	--	81.0
04...	1523	--	--	1.00	30	--	9.6	7.6	281	9.2	--	91.0
04...	1524	--	--	1.00	30	--	9.6	7.6	280	9.1	--	101
04...	1525	--	--	1.00	28	--	9.6	7.6	279	9.1	--	111
17...	1215	7.96	33	--	--	767	--	--	--	--	176	--
17...	1216	--	--	1.00	230	--	7.7	7.3	227	11.0	--	16.0
17...	1217	--	--	1.00	230	--	7.8	7.3	227	10.8	--	26.0
17...	1218	--	--	1.00	230	--	7.8	7.3	227	10.8	--	36.0

0728875070 DEER CREEK EAST OF LELAND, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling depth, feet (00003)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Suspended sediment concentration mg/L (80154)	Location in X-sect. looking dwnstrm ft from l bank (00009)
DEC												
17...	1219	--	--	1.00	230	--	7.7	7.3	225	10.8	--	46.0
17...	1220	--	--	1.00	230	--	7.7	7.3	224	10.6	--	56.0
17...	1221	--	--	1.00	230	--	7.6	7.3	223	10.6	--	66.0
17...	1222	--	--	1.00	230	--	7.6	7.3	223	10.6	--	76.0
17...	1223	--	--	1.00	230	--	7.5	7.3	222	10.5	--	86.0
17...	1224	--	--	1.00	240	--	7.5	7.3	220	10.4	--	96.0
17...	1225	--	--	1.00	240	--	7.4	7.3	220	10.3	--	106
JAN												
03...	1130	8.83	125	--	--	--	--	--	--	--	214	--
03...	1131	--	--	1.00	370	--	9.1	7.4	107	7.6	--	19.0
03...	1132	--	--	1.00	360	--	9.1	7.4	107	7.6	--	29.0
03...	1133	--	--	1.00	370	--	9.1	7.4	106	7.6	--	39.0
03...	1134	--	--	1.00	380	--	9.1	7.4	106	7.6	--	49.0
03...	1135	--	--	1.00	420	--	9.1	7.4	105	7.5	--	59.0
03...	1136	--	--	1.00	420	--	9.1	7.4	104	7.5	--	69.0
03...	1137	--	--	1.00	410	--	9.1	7.4	104	7.4	--	79.0
03...	1138	--	--	1.00	410	--	9.1	7.4	104	7.4	--	89.0
03...	1139	--	--	1.00	440	--	9.1	7.3	104	7.4	--	99.0
03...	1140	--	--	1.00	510	--	9.1	7.3	104	7.4	--	109
16...	1100	7.96	33	--	--	760	--	--	--	--	120	--
16...	1101	--	--	1.00	170	--	11.7	7.5	150	5.4	--	16.0
16...	1102	--	--	1.00	180	--	11.1	7.5	150	5.4	--	26.0
16...	1103	--	--	1.00	180	--	11.1	7.5	150	5.4	--	36.0
16...	1104	--	--	1.00	180	--	11.0	7.5	151	5.3	--	46.0
16...	1105	--	--	1.00	180	--	11.0	7.5	151	5.3	--	56.0
16...	1106	--	--	1.00	180	--	11.0	7.5	151	5.3	--	66.0
16...	1107	--	--	1.00	170	--	11.0	7.5	151	5.3	--	76.0
16...	1108	--	--	1.00	180	--	10.9	7.5	151	5.3	--	86.0
16...	1109	--	--	1.00	170	--	10.9	7.5	151	5.3	--	96.0
16...	1110	--	--	1.00	170	--	10.9	7.5	151	5.3	--	106
28...	1315	7.72	16	--	--	774	--	--	--	--	98	--
28...	1316	--	--	1.00	120	--	12.9	7.7	179	5.5	--	15.0
28...	1317	--	--	1.00	120	--	12.9	7.7	179	5.5	--	25.0
28...	1318	--	--	1.00	120	--	12.9	7.7	179	5.4	--	35.0
28...	1319	--	--	1.00	120	--	12.8	7.7	179	5.4	--	45.0
28...	1320	--	--	1.00	120	--	12.8	7.7	179	5.4	--	55.0
28...	1321	--	--	1.00	120	--	12.8	7.7	179	5.3	--	65.0
28...	1322	--	--	1.00	120	--	12.8	7.7	179	5.3	--	75.0
28...	1323	--	--	1.00	120	--	12.8	7.7	179	5.2	--	85.0
28...	1324	--	--	1.00	120	--	12.8	7.7	179	5.2	--	95.0
28...	1325	--	--	1.00	110	--	12.8	7.7	179	5.2	--	105
FEB												
11...	1245	7.77	19	--	--	775	--	--	--	--	74	--
11...	1246	--	--	1.00	78	--	11.7	7.8	196	9.3	--	15.0
11...	1247	--	--	1.00	83	--	11.7	7.8	196	9.3	--	25.0
11...	1248	--	--	1.00	81	--	11.7	7.8	196	9.3	--	35.0
11...	1249	--	--	1.00	80	--	11.7	7.8	196	9.5	--	45.0
11...	1250	--	--	1.00	76	--	11.6	7.8	197	8.5	--	55.0
11...	1251	--	--	1.00	79	--	11.6	7.8	198	8.5	--	65.0
11...	1252	--	--	1.00	81	--	11.5	7.8	196	8.2	--	75.0
11...	1253	--	--	1.00	83	--	11.5	7.9	195	7.9	--	85.0
11...	1254	--	--	1.00	80	--	11.5	7.8	196	8.0	--	95.0
11...	1255	--	--	1.00	84	--	11.5	7.8	195	8.0	--	105
24...	1430	10.24	421	--	--	777	--	--	--	--	401	--
24...	1431	--	--	1.00	E700	--	10.5	7.2	113	10.7	--	24.0
24...	1432	--	--	1.00	E700	--	10.4	7.2	113	10.7	--	34.0
24...	1433	--	--	1.00	E700	--	10.4	7.2	113	10.7	--	44.0
24...	1434	--	--	1.00	E700	--	10.5	7.2	112	10.7	--	54.0
24...	1435	--	--	1.00	E700	--	10.5	7.2	112	10.7	--	64.0
24...	1436	--	--	1.00	E700	--	10.5	7.2	112	10.7	--	74.0
24...	1437	--	--	1.00	E700	--	10.5	7.2	112	10.7	--	84.0
24...	1438	--	--	1.00	E700	--	10.5	7.2	112	10.7	--	94.0
24...	1439	--	--	1.00	E700	--	10.5	7.2	112	10.7	--	104
24...	1440	--	--	1.00	E700	--	10.5	7.2	112	10.7	--	114
MAR												
19...	1715	8.38	73	--	--	759	--	--	--	--	283	--
19...	1716	--	--	1.00	470	--	7.6	7.5	145	19.4	--	18.0
19...	1717	--	--	1.00	450	--	7.7	7.5	146	19.2	--	28.0
19...	1718	--	--	1.00	440	--	7.6	7.5	147	18.9	--	38.0
19...	1719	--	--	1.00	440	--	7.6	7.5	147	18.9	--	48.0
19...	1720	--	--	1.00	440	--	7.6	7.5	148	18.9	--	58.0
19...	1721	--	--	1.00	430	--	7.5	7.5	148	18.8	--	68.0
19...	1722	--	--	1.00	440	--	7.4	7.5	148	18.7	--	78.0
19...	1723	--	--	1.00	430	--	7.4	7.5	148	18.6	--	88.0
19...	1724	--	--	1.00	420	--	7.4	7.4	148	18.5	--	98.0
19...	1725	--	--	1.00	420	--	7.2	7.4	148	18.2	--	108
APR												
03...	1150	7.98	35	--	--	771	--	--	--	--	100	--
03...	1151	--	--	1.00	94	--	11.6	8.5	185	20.0	--	16.0

Remark codes:
E -- Estimated value

0728875070 DEER CREEK EAST OF LELAND, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling depth, feet (00003)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Suspended sediment concentration mg/L (80154)	Location in X-sect. looking dwnstrm ft from l bank (00009)
APR												
03...	1152	--	--	1.00	95	--	11.5	8.5	185	19.9	--	26.0
03...	1153	--	--	1.00	94	--	11.5	8.5	185	19.4	--	36.0
03...	1154	--	--	1.00	95	--	11.2	8.5	185	19.8	--	46.0
03...	1155	--	--	1.00	94	--	11.3	8.4	185	19.4	--	56.0
03...	1156	--	--	1.00	97	--	11.2	8.4	185	19.8	--	66.0
03...	1157	--	--	1.00	96	--	11.4	8.4	184	19.1	--	76.0
03...	1158	--	--	1.00	97	--	10.9	8.4	184	19.0	--	86.0
03...	1159	--	--	1.00	99	--	10.8	8.4	184	19.3	--	96.0
03...	1200	--	--	1.00	100	--	11.0	8.4	185	19.3	--	106
08...	1245	9.63	238	--	--	760	--	--	--	--	161	--
08...	1246	--	--	4.00	--	--	5.6	7.4	165	18.4	--	91.0
09...	0915	9.92	310	--	--	--	--	--	--	--	446	--
14...	1235	8.53	89	--	--	774	--	--	--	--	313	--
14...	1236	--	--	1.00	--	--	5.7	7.2	127	18.6	--	18.0
14...	1237	--	--	1.00	--	--	5.7	7.2	127	18.2	--	28.0
14...	1238	--	--	1.00	--	--	5.7	7.2	129	18.8	--	38.0
14...	1239	--	--	1.00	--	--	5.8	7.2	127	18.5	--	48.0
14...	1240	--	--	1.00	--	--	5.8	7.2	127	18.4	--	58.0
14...	1241	--	--	1.00	--	--	5.8	7.1	125	18.3	--	68.0
14...	1242	--	--	1.00	--	--	5.8	7.2	124	18.2	--	78.0
14...	1243	--	--	1.00	--	--	5.7	7.1	124	18.4	--	88.0
14...	1244	--	--	1.00	--	--	5.7	7.1	124	18.2	--	98.0
14...	1245	--	--	1.00	--	--	5.7	7.1	124	18.3	--	108
30...	1745	7.66	12	--	--	774	--	--	--	--	129	--
30...	1746	--	--	1.00	36	--	11.8	8.9	224	25.6	--	13.0
30...	1747	--	--	1.00	36	--	11.9	8.9	224	25.7	--	23.0
30...	1748	--	--	1.00	38	--	11.8	8.9	224	25.6	--	33.0
30...	1749	--	--	1.00	40	--	11.9	8.9	224	25.6	--	43.0
30...	1750	--	--	1.00	39	--	12.1	8.9	224	25.6	--	53.0
30...	1751	--	--	1.00	32	--	12.2	9.0	224	25.6	--	63.0
30...	1752	--	--	1.00	32	--	12.4	9.0	224	25.6	--	73.0
30...	1753	--	--	1.00	29	--	12.6	9.0	225	25.5	--	83.0
30...	1754	--	--	1.00	30	--	12.6	9.0	225	25.4	--	93.0
30...	1755	--	--	1.00	30	--	12.6	9.0	225	25.5	--	103
MAY												
14...	1530	7.94	32	--	--	760	--	--	--	--	188	--
14...	1531	--	--	2.00	250	--	3.4	7.0	167	24.3	--	17.0
14...	1532	--	--	2.00	260	--	3.2	7.1	166	24.4	--	27.0
14...	1533	--	--	2.00	260	--	3.1	7.1	166	24.4	--	37.0
14...	1534	--	--	2.00	270	--	3.1	7.2	165	24.4	--	47.0
14...	1535	--	--	2.00	260	--	3.1	7.2	165	24.4	--	57.0
14...	1536	--	--	2.00	260	--	3.2	7.2	164	24.5	--	67.0
14...	1537	--	--	2.00	260	--	3.2	7.2	163	24.4	--	77.0
14...	1538	--	--	2.00	260	--	3.0	7.2	164	24.3	--	87.0
14...	1539	--	--	2.00	250	--	3.1	7.2	164	24.4	--	97.0
14...	1540	--	--	2.00	250	--	3.2	7.2	164	24.4	--	107
20...	1145	8.20	55	--	--	760	--	--	--	--	94	--
20...	1146	--	--	2.00	110	--	4.3	7.2	181	24.4	--	18.0
20...	1147	--	--	2.00	120	--	4.1	7.1	181	24.3	--	28.0
20...	1148	--	--	2.00	110	--	4.2	7.1	180	24.4	--	38.0
20...	1149	--	--	2.00	100	--	5.0	7.0	180	24.6	--	48.0
20...	1150	--	--	2.00	100	--	4.5	7.1	179	24.5	--	58.0
20...	1151	--	--	2.00	100	--	4.5	7.1	177	24.5	--	68.0
20...	1152	--	--	2.00	110	--	4.2	7.1	176	24.4	--	78.0
20...	1153	--	--	2.00	100	--	4.8	7.1	176	24.7	--	88.0
20...	1154	--	--	2.00	100	--	4.5	7.2	176	24.5	--	98.0
20...	1155	--	--	2.00	100	--	4.5	7.1	178	24.5	--	108
29...	0945	7.48	3.3	--	--	760	--	--	--	--	358	--
29...	0946	--	--	2.00	500	--	2.8	7.0	191	23.8	--	14.0
29...	0947	--	--	2.00	510	--	2.4	6.9	192	23.8	--	24.0
29...	0948	--	--	2.00	530	--	2.3	6.9	192	23.8	--	34.0
29...	0949	--	--	2.00	540	--	2.3	6.9	193	23.8	--	44.0
29...	0950	--	--	2.00	550	--	2.4	7.0	194	23.9	--	54.0
29...	0951	--	--	.10	540	--	2.6	6.9	194	24.3	--	59.0
29...	0952	--	--	1.00	540	--	2.5	7.0	195	24.2	--	59.0
29...	0953	--	--	2.00	520	--	2.3	7.0	193	23.8	--	59.0
29...	0954	--	--	3.00	510	--	2.1	6.9	191	23.6	--	59.0
29...	0955	--	--	4.00	540	--	1.2	6.9	190	23.4	--	59.0
29...	0956	--	--	2.00	550	--	2.4	7.0	194	23.9	--	64.0
29...	0957	--	--	2.00	540	--	2.3	7.0	194	23.9	--	74.0
29...	0958	--	--	2.00	530	--	2.3	7.0	194	24.0	--	84.0
29...	0959	--	--	2.00	520	--	2.2	6.9	193	23.9	--	94.0
29...	1000	--	--	2.00	540	--	2.1	6.9	193	23.9	--	104
JUN												
04...	1130	7.54	5.8	--	--	767	--	--	--	--	218	--
04...	1131	--	--	2.00	270	--	3.5	7.3	247	25.0	--	19.0
04...	1132	--	--	2.00	280	--	4.1	7.2	247	25.1	--	29.0
04...	1133	--	--	2.00	280	--	3.9	7.3	250	24.9	--	39.0
04...	1134	--	--	2.00	260	--	3.0	7.3	254	24.7	--	49.0
04...	1135	--	--	2.00	260	--	3.3	7.2	249	25.0	--	59.0
04...	1136	--	--	2.00	280	--	3.5	7.2	251	25.0	--	69.0

0728875070 DEER CREEK EAST OF LELAND, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling depth, feet (00003)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Suspended sediment concentration mg/L (80154)	Location in X-sect. looking dwnstrm ft from l bank (00009)
JUN												
04...	1137	--	--	2.00	280	--	3.1	7.3	254	24.8	--	79.0
04...	1138	--	--	2.00	280	--	2.8	7.3	254	24.8	--	89.0
04...	1139	--	--	2.00	280	--	3.2	7.2	249	25.1	--	99.0
10...	1615	7.71	14	--	--	767	--	--	--	--	49	--
10...	1616	--	--	2.00	32	--	12.4	8.5	303	28.9	--	15.0
10...	1617	--	--	2.00	24	--	12.6	8.5	305	30.0	--	25.0
10...	1618	--	--	2.00	26	--	13.2	8.5	304	29.0	--	35.0
10...	1619	--	--	2.00	24	--	13.5	8.6	300	28.7	--	45.0
10...	1620	--	--	2.00	24	--	13.6	8.5	305	29.2	--	55.0
10...	1621	--	--	2.00	20	--	14.2	8.6	299	29.1	--	65.0
10...	1622	--	--	2.00	19	--	15.4	8.7	293	28.8	--	75.0
10...	1623	--	--	2.00	17	--	15.0	8.7	299	29.4	--	85.0
10...	1624	--	--	2.00	15	--	14.2	8.6	301	29.7	--	95.0
10...	1625	--	--	2.00	15	--	13.2	8.6	304	30.0	--	105
20...	1130	7.98	34	--	--	769	--	--	--	--	139	--
20...	1131	--	--	1.00	140	--	4.1	7.1	170	27.4	--	16.0
20...	1132	--	--	1.00	140	--	4.2	7.1	166	27.5	--	26.0
20...	1133	--	--	1.00	150	--	3.8	7.1	167	27.4	--	36.0
20...	1134	--	--	1.00	150	--	4.1	7.1	167	27.6	--	46.0
20...	1135	--	--	1.00	150	--	4.3	7.1	166	27.7	--	56.0
20...	1136	--	--	1.00	140	--	4.5	7.1	170	28.1	--	66.0
20...	1137	--	--	1.00	140	--	4.4	7.2	170	27.6	--	76.0
20...	1138	--	--	1.00	140	--	4.4	7.2	171	27.9	--	86.0
20...	1139	--	--	1.00	130	--	4.7	7.1	172	28.3	--	96.0
20...	1140	--	--	1.00	140	--	4.8	7.2	171	29.0	--	106
26...	1300	7.63	10	--	--	761	--	--	--	--	76	--
26...	1301	--	--	1.00	--	--	--	7.8	174	30.1	--	15.0
26...	1302	--	--	1.00	49	--	10.1	8.0	174	30.6	--	25.0
26...	1303	--	--	1.00	49	--	9.6	8.0	174	30.4	--	35.0
26...	1304	--	--	1.00	48	--	8.9	8.0	175	30.0	--	45.0
26...	1305	--	--	1.00	46	--	9.5	8.0	175	30.1	--	55.0
26...	1306	--	--	1.00	43	--	9.9	8.1	175	30.0	--	65.0
26...	1307	--	--	1.00	43	--	9.9	8.1	175	30.0	--	75.0
26...	1308	--	--	1.00	43	--	9.2	7.9	176	29.9	--	85.0
26...	1309	--	--	1.00	48	--	8.8	7.7	176	30.0	--	95.0
26...	1310	--	--	1.00	46	--	10.1	8.0	175	30.4	--	105
JUL												
02...	1230	7.46	2.5	--	--	767	--	--	--	--	62	--
02...	1231	--	--	1.00	61	--	8.6	7.8	231	29.4	--	14.0
02...	1232	--	--	1.00	54	--	9.1	7.9	231	29.4	--	24.0
02...	1233	--	--	1.00	50	--	9.8	8.0	230	29.7	--	34.0
02...	1234	--	--	1.00	45	--	10.3	8.2	230	29.9	--	44.0
02...	1235	--	--	1.00	45	--	10.7	8.2	230	29.4	--	54.0
02...	1236	--	--	.10	47	--	11.6	8.4	230	30.9	--	59.0
02...	1237	--	--	1.00	38	--	11.7	8.4	230	29.9	--	59.0
02...	1238	--	--	2.00	52	--	8.2	7.8	233	28.9	--	59.0
02...	1239	--	--	3.00	70	--	6.7	7.6	235	28.6	--	59.0
02...	1240	--	--	4.00	170	--	5.3	7.2	235	28.5	--	59.0
02...	1241	--	--	1.00	41	--	10.3	7.9	230	29.9	--	64.0
02...	1242	--	--	1.00	44	--	10.8	8.2	230	29.9	--	74.0
02...	1243	--	--	1.00	42	--	11.3	8.3	230	30.0	--	84.0
02...	1244	--	--	1.00	40	--	11.8	8.4	230	30.0	--	94.0
02...	1245	--	--	1.00	40	--	10.6	8.2	230	29.6	--	104
09...	1230	7.57	7.2	--	--	772	--	--	--	--	74	--
09...	1231	--	--	1.00	51	--	12.3	8.5	293	30.8	--	12.0
09...	1232	--	--	1.00	62	--	13.2	8.6	294	30.8	--	22.0
09...	1233	--	--	1.00	56	--	12.0	8.4	292	31.0	--	32.0
09...	1234	--	--	1.00	60	--	13.9	8.8	292	30.7	--	42.0
09...	1235	--	--	1.00	65	--	14.0	8.7	292	30.7	--	52.0
09...	1236	--	--	1.00	57	--	12.7	8.6	294	30.6	--	62.0
09...	1237	--	--	1.00	55	--	13.3	8.6	294	30.6	--	72.0
09...	1238	--	--	1.00	56	--	12.5	8.6	294	30.6	--	82.0
09...	1239	--	--	1.00	58	--	12.6	8.6	294	30.7	--	92.0
09...	1240	--	--	1.00	67	--	12.5	8.5	293	31.0	--	102
21...	1205	7.72	16	--	--	767	--	--	--	--	54	--
21...	1206	--	--	1.00	22	--	5.8	7.5	324	30.8	--	14.0
21...	1207	--	--	1.00	20	--	5.5	7.5	326	31.1	--	24.0
21...	1208	--	--	1.00	22	--	5.7	7.4	325	30.9	--	34.0
21...	1209	--	--	1.00	23	--	5.6	7.4	327	31.0	--	44.0
21...	1210	--	--	1.00	23	--	5.5	7.4	327	30.8	--	54.0
21...	1211	--	--	1.00	22	--	5.5	7.4	327	30.9	--	64.0
21...	1212	--	--	1.00	23	--	5.4	7.4	327	30.7	--	74.0
21...	1213	--	--	1.00	23	--	5.3	7.4	328	31.3	--	84.0
21...	1214	--	--	1.00	22	--	5.4	7.4	329	31.4	--	94.0
21...	1215	--	--	1.00	23	--	5.3	7.4	328	31.5	--	104
31...	1200	7.63	10	--	--	770	--	--	--	--	52	--
31...	1201	--	--	1.00	19	--	2.6	7.4	379	30.0	--	12.0
31...	1202	--	--	1.00	20	--	2.4	7.4	378	30.1	--	22.0
31...	1203	--	--	1.00	21	--	2.3	7.4	378	30.1	--	32.0
31...	1204	--	--	1.00	21	--	2.3	7.4	379	30.1	--	42.0
31...	1205	--	--	1.00	22	--	2.2	7.4	378	30.1	--	52.0

0728875070 DEER CREEK EAST OF LELAND, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Sampling depth, feet (00003)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Suspended sediment concentration mg/L (80154)	Location in X-sect. looking dwnstrm ft from l bank (00009)
JUL												
31...	1206	--	--	1.00	22	--	2.1	7.4	380	30.1	--	62.0
31...	1207	--	--	1.00	24	--	2.1	7.4	379	30.1	--	72.0
31...	1208	--	--	1.00	22	--	2.1	7.4	381	30.1	--	82.0
31...	1209	--	--	1.00	20	--	2.1	7.4	379	30.1	--	92.0
31...	1210	--	--	1.00	19	--	2.2	7.4	375	30.1	--	102
AUG												
08...	1100	7.57	7.2	--	--	769	--	--	--	--	64	--
08...	1101	--	--	1.00	44	--	6.3	7.6	383	29.5	--	13.0
08...	1102	--	--	1.00	42	--	6.3	7.7	384	29.5	--	23.0
08...	1103	--	--	1.00	37	--	6.2	7.7	384	29.6	--	33.0
08...	1104	--	--	1.00	38	--	6.2	7.7	385	29.6	--	43.0
08...	1105	--	--	1.00	38	--	6.2	7.7	385	29.7	--	53.0
08...	1106	--	--	1.00	38	--	6.3	7.7	384	29.7	--	63.0
08...	1107	--	--	1.00	40	--	6.2	7.7	385	29.6	--	73.0
08...	1108	--	--	1.00	39	--	6.1	7.7	384	29.6	--	83.0
08...	1109	--	--	1.00	39	--	6.1	7.7	384	29.5	--	93.0
08...	1110	--	--	1.00	38	--	5.9	7.6	387	29.7	--	103
15...	1130	7.43	1.6	--	--	777	--	--	--	--	74	--
15...	1131	--	--	1.00	42	--	5.0	7.5	474	29.0	--	13.0
15...	1132	--	--	1.00	32	--	4.7	7.6	474	29.0	--	23.0
15...	1133	--	--	1.00	30	--	4.4	7.5	473	29.0	--	33.0
15...	1134	--	--	1.00	29	--	4.0	7.6	474	28.5	--	43.0
15...	1135	--	--	1.00	28	--	4.6	7.6	474	28.9	--	53.0
15...	1136	--	--	1.00	28	--	4.7	7.6	474	28.6	--	63.0
15...	1137	--	--	1.00	28	--	4.7	7.6	476	28.6	--	73.0
15...	1138	--	--	1.00	29	--	4.7	7.6	473	28.8	--	83.0
15...	1139	--	--	1.00	29	--	4.8	7.6	472	28.7	--	93.0
15...	1140	--	--	1.00	31	--	4.8	7.6	472	29.0	--	103
20...	1140	7.42	1.3	--	--	771	--	--	--	--	58	--
20...	1141	--	--	1.00	43	--	4.7	7.5	472	31.4	--	13.0
20...	1142	--	--	1.00	40	--	4.6	7.5	472	31.3	--	23.0
20...	1143	--	--	1.00	34	--	4.7	7.5	473	31.5	--	33.0
20...	1144	--	--	1.00	34	--	4.9	7.5	472	31.5	--	43.0
20...	1145	--	--	1.00	33	--	4.8	7.5	472	31.6	--	53.0
20...	1146	--	--	1.00	34	--	4.5	7.5	472	31.6	--	63.0
20...	1147	--	--	1.00	33	--	4.7	7.5	473	31.6	--	73.0
20...	1148	--	--	1.00	34	--	4.1	7.5	473	31.5	--	83.0
20...	1149	--	--	1.00	34	--	5.0	7.5	473	31.6	--	93.0
20...	1150	--	--	1.00	34	--	5.0	7.5	473	31.7	--	103
27...	1445	7.20	.00	--	--	769	--	--	--	--	87	--
27...	1446	--	--	1.00	30	--	7.5	8.0	472	31.4	--	12.0
27...	1447	--	--	1.00	29	--	7.5	8.1	473	31.6	--	22.0
27...	1448	--	--	1.00	32	--	7.4	8.1	473	31.6	--	32.0
27...	1449	--	--	1.00	33	--	7.4	8.1	473	31.6	--	42.0
27...	1450	--	--	1.00	36	--	7.3	8.1	472	31.6	--	52.0
27...	1451	--	--	1.00	38	--	7.1	8.0	474	31.5	--	57.0
27...	1452	--	--	2.00	39	--	7.2	8.0	474	31.5	--	57.0
27...	1453	--	--	3.00	46	--	6.9	8.0	473	31.4	--	57.0
27...	1454	--	--	4.00	140	--	5.4	7.9	473	30.9	--	57.0
27...	1455	--	--	1.00	36	--	6.9	8.0	475	31.4	--	62.0
27...	1456	--	--	1.00	39	--	7.1	8.0	474	31.5	--	72.0
27...	1457	--	--	1.00	38	--	7.3	8.0	475	31.5	--	82.0
27...	1458	--	--	1.00	39	--	7.5	8.1	475	31.5	--	92.0
27...	1459	--	--	1.00	38	--	7.6	8.1	475	31.5	--	102
SEP												
02...	1145	7.53	5.3	--	--	769	--	--	--	--	62	--
02...	1146	--	--	1.00	31	--	5.2	7.7	444	28.4	--	13.0
02...	1147	--	--	1.00	34	--	5.3	7.7	444	28.5	--	23.0
02...	1148	--	--	1.00	36	--	5.3	7.8	444	28.5	--	33.0
02...	1149	--	--	1.00	32	--	5.3	7.8	440	28.6	--	43.0
02...	1150	--	--	1.00	32	--	5.4	7.8	440	28.6	--	53.0
02...	1151	--	--	1.00	32	--	5.3	7.8	440	28.6	--	63.0
02...	1152	--	--	1.00	32	--	5.3	7.8	441	28.6	--	73.0
02...	1153	--	--	1.00	32	--	5.1	7.8	441	28.5	--	83.0
02...	1154	--	--	1.00	33	--	5.1	7.8	441	28.6	--	93.0
02...	1155	--	--	1.00	33	--	5.0	7.8	441	28.5	--	103
08...	1100	7.22	.00	--	--	770	--	--	--	--	60	--
08...	1101	--	--	1.00	30	--	6.5	7.8	419	26.9	--	12.0
08...	1102	--	--	1.00	28	--	5.8	7.8	419	26.7	--	22.0
08...	1103	--	--	1.00	28	--	5.9	7.8	419	26.7	--	32.0
08...	1104	--	--	1.00	30	--	6.1	7.8	418	26.7	--	42.0
08...	1105	--	--	1.00	31	--	6.1	7.9	418	26.9	--	52.0
08...	1106	--	--	1.00	32	--	6.5	7.9	417	26.6	--	62.0
08...	1107	--	--	1.00	33	--	6.2	7.9	418	26.5	--	72.0
08...	1108	--	--	1.00	32	--	6.2	7.8	417	26.6	--	82.0
08...	1109	--	--	1.00	33	--	6.0	7.8	417	26.4	--	92.0
08...	1110	--	--	1.00	32	--	5.7	7.7	418	26.8	--	102
18...	1100	7.01	.00	--	--	768	--	--	--	--	114	--

0728875070 DEER CREEK EAST OF LELAND, MS--Continued

TURBIDITY, WATER, UNFILTERED, NEPHELOMETRIC TURBIDITY UNITS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	25	16	21	29	19	23	520	350	430
2	---	---	---	28	15	19	23	15	19	480	360	410
3	---	---	---	21	15	18	21	15	17	440	290	370
4	---	---	---	33	17	20	31	16	24	380	260	300
5	---	---	---	140	17	65	80	23	33	560	260	370
6	---	---	---	100	55	78	170	73	140	690	480	560
7	---	---	---	84	34	50	91	32	64	520	350	430
8	---	---	---	150	84	110	86	35	49	350	260	300
9	---	---	---	150	110	120	42	23	30	290	260	280
10	---	---	---	130	100	120	30	16	21	280	240	260
11	---	---	---	110	77	94	120	30	66	250	220	240
12	31	14	20	81	61	71	150	120	140	240	190	210
13	26	16	21	65	48	55	420	140	220	200	170	180
14	40	22	26	61	44	52	590	280	440	170	160	170
15	40	23	29	61	41	52	430	280	360	170	160	160
16	39	29	33	63	46	55	360	200	250	170	150	160
17	35	26	31	54	35	45	230	200	220	170	150	160
18	38	23	30	44	32	38	240	220	230	160	150	150
19	30	16	23	46	27	33	290	230	250	160	140	150
20	21	14	17	40	25	31	480	260	370	150	140	150
21	20	14	17	39	28	32	560	270	410	150	130	140
22	72	14	20	47	30	34	330	220	250	150	140	140
23	25	14	20	37	31	34	450	260	370	150	140	150
24	32	17	23	37	27	32	1000	360	710	150	130	140
25	29	19	23	33	27	30	1300	560	800	130	120	120
26	43	18	24	36	26	31	1400	750	1000	130	120	120
27	31	20	25	31	22	27	1400	1200	1400	120	120	120
28	36	20	24	48	20	24	1400	690	1000	120	110	120
29	71	16	23	23	17	20	920	560	730	120	110	120
30	27	17	21	22	18	19	710	420	560	120	120	120
31	26	18	22	---	---	---	620	360	460	130	120	120
		FEBRUARY			MARCH			APRIL			MAY	
1	130	120	120	680	420	540	140	110	120	47	17	26
2	130	120	130	700	390	490	130	97	110	33	15	23
3	140	130	130	560	310	410	110	83	98	35	16	24
4	140	120	130	460	280	360	95	71	84	42	18	30
5	130	120	120	390	280	320	100	62	82	38	24	30
6	120	110	120	370	260	300	120	64	79	45	24	34
7	110	86	97	320	270	290	1600	120	960	46	18	32
8	96	75	89	340	280	310	800	170	430	52	20	32
9	110	69	79	300	250	270	1400	750	1100	46	29	38
10	150	110	130	270	230	250	1600	930	1300	98	26	37
11	110	72	88	240	230	230	1400	720	1000	56	27	37
12	84	68	78	260	220	250	920	520	680	100	35	62
13	100	79	89	360	220	260	630	460	530	270	100	190
14	110	92	98	760	260	410	500	400	470	290	210	250
15	110	92	98	270	220	240	540	450	490	220	170	200
16	140	93	120	300	240	270	---	460	480	170	110	140
17	260	79	150	310	240	280	490	370	430	140	91	110
18	1500	86	450	400	230	320	430	320	370	160	130	140
19	1500	540	770	670	220	430	320	250	280	190	130	160
20	620	410	480	590	250	320	260	200	240	150	94	110
21	630	380	430	500	270	330	200	160	190	150	97	130
22	1300	360	690	1400	360	670	180	130	160	130	92	110
23	1400	410	860	1500	1200	1500	140	89	110	110	84	97
24	1400	580	870	1500	610	1100	92	43	69	300	97	180
25	1200	550	770	680	370	500	85	39	56	430	260	340
26	1000	550	750	370	260	300	75	56	65	500	400	460
27	800	450	600	280	220	250	88	50	67	570	460	500
28	730	470	560	270	210	230	77	42	54	550	420	510
29	---	---	---	230	---	220	90	25	43	530	440	490
30	---	---	---	---	150	170	68	25	37	480	400	430
31	---	---	---	160	110	140	---	---	---	460	360	400

0728875070 DEER CREEK EAST OF LELAND, MS--Continued

TURBIDITY, WATER, UNFILTERED, NEPHELOMETRIC TURBIDITY UNITS--Continued
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	470	360	410	60	23	36	41	2.0	12	69	38	50
2	420	330	370	87	37	49	36	16	26	51	21	38
3	380	300	330	83	39	53	39	15	27	48	27	35
4	---	---	---	140	45	62	56	14	28	58	35	45
5	---	---	---	110	39	60	44	16	29	57	38	46
6	---	140	210	69	36	52	59	21	40	55	33	41
7	150	70	110	87	36	48	49	21	32	76	33	48
8	78	45	62	87	53	67	68	21	41	48	19	30
9	85	30	52	100	55	73	61	33	45	40	20	30
10	47	17	29	94	52	75	61	30	43	40	25	33
11	56	20	27	100	44	65	50	26	36	56	33	39
12	210	27	95	100	47	67	45	28	37	62	35	44
13	260	140	190	130	38	60	46	15	31	53	29	41
14	230	120	160	72	34	53	42	9.0	23	53	24	37
15	160	120	140	62	38	50	33	17	25	49	22	37
16	150	100	130	65	25	47	35	17	24	51	23	35
17	410	83	120	70	24	47	40	13	23	50	22	32
18	730	180	360	70	30	47	37	11	22	41	24	32
19	230	98	130	62	18	31	45	20	30	41	22	31
20	180	100	140	56	17	35	43	21	31	58	29	38
21	130	55	100	56	19	32	31	16	23	49	33	38
22	120	55	85	49	25	34	37	22	29	84	30	40
23	110	44	77	41	16	26	42	14	29	50	18	34
24	100	45	67	45	23	33	49	20	32	44	18	31
25	90	35	56	48	27	37	56	21	33	46	16	30
26	---	38	49	46	21	34	57	23	36	42	16	27
27	88	42	56	67	21	35	62	31	42	40	16	26
28	94	48	69	69	24	40	70	39	49	49	20	36
29	110	48	76	80	39	54	47	30	40	49	28	39
30	87	40	59	78	38	55	66	35	44	60	29	44
31	---	---	---	82	6.0	30	87	32	49	---	---	---

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	3.7	1.6	2.8	10.5	7.7	9.1	10.4	9.7	10.1	8.9	8.1	8.6
2	4.0	1.3	2.6	---	---	---	10.7	9.6	10.2	8.9	8.1	8.3
3	5.2	0.5	2.8	---	---	---	10.6	9.4	10.2	8.9	8.5	8.7
4	---	---	---	9.9	---	---	10.2	9.4	9.9	8.8	8.4	8.5
5	---	---	---	9.5	8.7	9.2	10.2	9.4	9.9	9.0	8.5	8.8
6	---	---	---	9.3	7.9	8.6	10.0	9.4	9.8	8.9	8.2	8.5
7	---	---	---	7.9	7.2	7.4	11.3	9.8	10.4	9.3	8.9	9.1
8	---	---	---	7.6	7.3	7.5	11.6	9.8	10.7	9.2	9.0	9.1
9	---	---	---	7.6	7.4	7.5	11.5	10.0	10.6	9.1	9.0	9.0
10	---	---	---	7.4	6.8	7.1	10.3	9.4	9.9	9.8	9.0	9.5
11	---	---	3.8	6.8	5.4	6.2	9.4	8.6	8.9	10.0	9.7	9.8
12	2.5	1.8	2.1	5.5	5.0	5.3	8.9	8.2	8.5	10.3	10.0	10.1
13	3.5	1.6	2.4	5.6	5.1	5.4	9.4	8.8	9.0	10.6	10.2	10.4
14	5.1	3.5	4.4	5.2	4.8	5.0	9.5	9.0	9.3	10.8	10.5	10.7
15	5.1	4.4	4.7	5.2	4.7	4.9	9.0	8.7	8.9	11.2	10.7	10.9
16	5.2	4.6	4.8	6.1	5.0	5.6	9.0	7.8	8.4	10.9	10.7	10.8
17	5.1	4.6	4.8	7.4	5.8	6.7	7.8	6.6	7.1	12.0	10.9	11.5
18	5.3	4.5	4.8	8.0	7.0	7.3	6.7	6.6	6.7	12.0	11.8	11.9
19	6.7	5.0	5.8	8.0	6.5	7.2	7.2	6.7	6.9	11.9	11.6	11.8
20	7.6	6.6	6.9	8.0	6.7	7.2	6.8	6.4	6.6	11.8	11.6	11.7
21	8.9	6.7	7.5	7.2	6.2	6.6	6.5	5.9	6.1	11.6	11.4	11.5
22	10.2	7.1	8.7	7.0	5.8	6.4	6.0	5.4	5.7	11.6	11.3	11.5
23	10.6	9.0	9.8	7.6	6.3	6.9	7.7	5.4	5.8	12.3	11.6	12.1
24	10.2	8.7	9.3	7.6	6.7	7.0	9.5	7.7	9.1	12.9	12.2	12.5
25	9.3	7.9	8.4	8.4	6.8	7.7	9.1	8.4	8.8	13.4	12.7	13.0
26	9.1	7.4	8.0	9.1	8.1	8.6	10.1	8.8	9.5	13.3	12.9	13.1
27	8.5	6.9	7.6	10.5	8.1	9.3	10.4	10.1	10.3	13.3	13.1	13.2
28	7.2	5.6	6.5	11.3	9.0	10.1	10.3	10.1	10.2	13.1	12.3	12.7
29	7.8	4.8	6.4	11.1	10.1	10.6	10.1	9.8	10.0	12.3	11.4	11.8
30	8.5	5.2	6.6	10.9	9.8	10.4	9.8	9.2	9.5	11.4	11.1	11.2
31	9.6	6.4	7.8	---	---	---	9.2	8.8	8.9	11.1	10.7	10.9

0728875070 DEER CREEK EAST OF LELAND, MS--Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER--Continued
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	10.9	10.2	10.6	11.6	11.1	11.4	9.5	7.7	8.6	12.0	8.3	10.1
2	10.8	10.0	10.5	11.8	11.6	11.8	9.7	8.0	8.7	11.6	8.1	9.8
3	10.2	9.6	9.9	11.8	11.4	11.6	10.2	8.5	9.2	10.5	8.1	9.0
4	10.4	9.4	9.8	11.4	11.0	11.1	11.4	8.8	9.6	9.5	6.2	7.7
5	10.2	9.5	9.9	11.0	10.5	10.7	11.4	8.6	9.4	7.6	5.3	6.4
6	10.2	9.8	10.0	10.6	10.4	10.5	11.3	7.8	9.2	6.3	4.7	5.3
7	11.4	10.2	10.9	10.6	10.1	10.4	7.8	6.2	6.8	6.8	4.3	5.5
8	11.3	10.5	10.9	10.1	9.7	9.9	6.7	5.1	6.0	7.8	3.9	5.9
9	12.0	11.1	11.4	10.1	9.7	9.9	7.3	6.6	7.0	8.2	5.8	7.1
10	11.5	10.9	11.2	10.3	10.0	10.2	7.6	7.0	7.3	8.7	6.2	7.4
11	12.3	11.3	11.8	10.2	9.7	10	7.4	7.2	7.2	10.9	5.5	7.5
12	12.2	11.6	11.8	9.7	8.9	9.1	7.2	6.9	7.0	---	---	---
13	11.8	10.4	11.1	9.1	8.7	8.9	7.0	6.5	6.7	---	---	---
14	10.4	9.2	9.8	8.8	8.4	8.6	7.1	5.5	6.1	3.5	1.8	2.5
15	9.7	8.7	9.1	8.8	8.4	8.7	5.7	5.2	5.4	2.7	1.1	1.6
16	9.0	8.4	8.7	8.4	7.6	7.9	5.7	---	5.5	4.1	1.6	2.8
17	9.5	8.5	9.1	7.9	6.9	7.3	6.3	5.5	5.9	5.8	3.2	4.6
18	8.7	7.8	8.2	7.6	6.5	7.0	6.0	5.5	5.7	5.7	3.4	4.5
19	8.2	7.8	8.1	7.7	6.9	7.4	6.5	5.2	5.9	4.8	1.4	2.8
20	8.4	8.2	8.3	7.8	7.0	7.3	6.3	4.8	5.5	6.0	3.0	4.4
21	9.0	8.3	8.6	7.6	6.9	7.2	8.9	4.9	7.0	5.2	3.0	3.8
22	9.0	8.8	8.9	7.0	6.5	6.8	8.2	6.0	7.0	5.5	3.1	4.1
23	8.9	8.7	8.8	6.5	6.2	6.3	9.9	6.9	8.8	6.3	3.8	5.1
24	9.1	8.8	9.0	6.3	6.2	6.2	10.1	8.7	9.3	6.3	2.7	3.8
25	9.6	9.1	9.4	6.4	6.2	6.3	11.7	8.2	9.8	4.6	2.5	3.6
26	10.7	9.6	10.2	6.7	6.2	6.5	10.5	8.3	9.1	3.2	1.4	2.3
27	10.9	10.5	10.7	6.4	5.9	6.1	10.8	7.7	8.7	2.8	0.2	1.3
28	11.1	10.5	10.8	6.7	5.5	6.0	---	---	---	3.1	0.1	1.6
29	---	---	---	---	6.3	---	---	---	---	4.5	0.4	1.9
30	---	---	---	---	---	---	12.6	---	---	3.7	0.0	1.4
31	---	---	---	8.9	8.1	8.4	---	---	---	6.1	1.1	3.3
		JUNE			JULY			AUGUST			SEPTEMBER	
1	5.9	0.7	2.3	11.7	2.3	6.5	3.7	0.1	1.5	7.0	2.9	4.6
2	3.5	0.2	1.7	13.0	4.1	7.6	7.6	2.5	4.8	6.8	2.3	4.2
3	6.2	0.1	2.6	13.2	6.8	9.6	8.0	2.8	5.2	9.6	2.4	5.4
4	---	---	---	10.9	6.4	8.9	8.7	3.3	5.7	9.1	3.9	6.2
5	---	---	---	12.3	5.1	8.0	6.2	3.2	4.7	8.6	4.8	6.5
6	---	---	---	9.4	3.8	6.6	8.2	1.6	4.8	8.5	4.8	6.4
7	11.4	6.1	8.4	8.7	3.9	6.2	8.6	3.2	5.8	6.4	3.9	4.9
8	11.8	6.3	9.0	9.1	3.8	6.0	9.1	3.5	6.3	8.0	2.7	5.4
9	14.0	8.0	10.3	11.0	3.0	6.2	7.9	4.4	6.0	7.3	4.2	5.6
10	14.7	10.5	12.0	8.7	3.9	6.4	7.8	4.1	6.0	8.2	4.0	5.5
11	12.9	10.3	11.7	11.3	2.7	5.8	7.2	3.8	5.4	6.2	3.3	4.7
12	11.8	7.3	9.0	9.5	2.4	5.0	7.1	4.1	5.3	6.6	2.5	4.4
13	7.9	5.3	6.3	7.6	2.7	5.0	6.8	3.0	4.6	8.9	2.2	5.1
14	8.5	6.0	7.1	6.9	2.7	4.6	---	---	---	9.8	3.9	6.7
15	---	---	---	7.9	3.5	5.5	8.3	2.4	5.2	8.7	4.8	7.0
16	---	---	---	9.8	3.0	6.4	8.1	3.7	6.0	7.3	4.6	6.0
17	---	---	---	9.8	2.2	6.0	6.6	2.5	4.8	7.6	3.6	5.4
18	---	---	---	8.2	0.6	3.7	7.3	2.1	4.6	10.2	2.9	6.4
19	---	---	---	6.8	0.1	2.5	6.4	1.4	3.6	10.0	4.8	7.4
20	---	---	---	7.4	0.2	3.0	6.0	0.5	2.8	7.7	4.8	6.4
21	10.2	3.8	5.5	7.6	0.5	4.0	7.2	1.7	3.6	6.4	3.8	4.9
22	9.8	4.7	6.6	8.2	3.7	5.6	6.9	2.8	4.8	7.6	4.6	6.0
23	10.4	5.1	7.0	11.1	3.4	6.7	10.8	3.6	6.7	8.5	4.0	6.1
24	9.0	5.7	7.2	9.5	5.5	6.9	7.2	3.8	5.8	7.4	3.7	5.3
25	8.3	5.0	6.7	7.8	5.2	6.6	6.9	3.1	4.9	8.2	4.2	6.1
26	10.6	---	---	7.2	3.8	5.3	6.6	2.0	4.1	8.9	4.8	6.7
27	9.2	4.3	6.3	9.0	3.4	5.7	7.0	1.5	3.9	8.0	4.4	6.1
28	8.1	4.3	6.0	9.1	2.6	5.6	5.3	3.0	4.0	8.0	4.5	6.0
29	7.6	4.8	5.6	5.8	1.8	3.6	7.4	2.9	5.1	7.1	4.7	5.6
30	5.5	2.7	4.3	6.9	1.6	4.0	6.0	3.8	4.6	7.7	4.0	5.5
31	---	---	---	4.2	0.1	1.6	4.9	2.6	3.7	---	---	---

0728875070 DEER CREEK EAST OF LELAND, MS--Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.4	7.2	8.1	7.6	7.8	7.7	7.0	7.0	7.6	7.5	7.2	7.1
2	7.3	7.2	8.1	7.8	7.8	7.6	7.1	7.0	7.6	7.5	7.2	7.2
3	7.5	7.2	8.0	7.8	7.8	7.6	7.1	7.0	7.6	7.5	7.2	7.2
4	7.5	7.4	7.9	7.7	7.7	7.6	7.2	7.1	7.6	7.5	7.2	7.1
5	7.5	7.3	7.8	7.4	7.6	7.5	7.2	7.2	7.6	7.5	7.2	7.1
6	7.4	7.2	7.4	7.3	7.5	7.4	7.2	7.2	7.6	7.6	7.2	7.2
7	7.3	7.2	7.3	7.2	7.7	7.5	7.2	7.2	7.7	7.6	7.2	7.2
8	7.2	7.1	7.2	7.1	7.8	7.6	7.2	7.2	7.7	7.6	7.2	7.2
9	7.2	7.1	7.1	7.1	7.7	7.4	7.2	7.2	7.8	7.7	7.4	7.2
10	7.1	7.0	7.1	7.1	7.5	7.4	7.3	7.2	7.7	7.6	7.5	7.4
11	7.1	7.0	7.1	7.1	7.4	7.3	7.3	7.3	7.9	7.6	7.5	7.3
12	7.1	7.0	7.1	7.0	7.3	7.3	7.3	7.3	7.9	7.7	7.3	7.3
13	7.1	7.0	7.1	7.1	7.3	7.2	7.4	7.3	7.9	7.6	7.3	7.2
14	7.3	7.1	7.1	7.1	7.3	7.2	7.4	7.4	7.6	7.5	7.4	7.2
15	7.3	7.2	7.2	7.1	7.3	7.2	7.4	7.3	7.6	7.5	7.4	7.3
16	7.3	7.2	7.2	7.2	7.3	7.2	7.4	7.3	7.6	7.5	7.3	7.2
17	7.3	7.2	7.3	7.2	7.2	7.1	7.5	7.4	7.6	7.5	7.3	7.2
18	7.3	7.3	7.4	7.3	7.2	7.1	7.5	7.5	7.5	7.3	7.3	7.2
19	7.5	7.3	7.4	7.3	7.3	7.2	7.5	7.4	7.4	7.3	7.3	7.1
20	7.7	7.5	7.4	7.3	7.2	7.2	7.5	7.5	7.3	7.3	7.3	7.2
21	8.0	7.6	7.4	7.2	7.2	7.2	7.6	7.5	7.4	7.3	7.3	7.2
22	8.3	7.7	7.4	7.3	7.2	7.2	7.6	7.5	7.4	7.3	7.2	7.0
23	8.4	8.0	7.5	7.3	7.2	7.1	7.7	7.6	7.3	7.2	7.0	6.9
24	8.3	7.9	7.5	7.4	7.2	7.2	7.8	7.6	7.3	7.2	7.0	7.0
25	8.1	7.7	7.6	7.4	7.2	7.1	7.8	7.6	7.2	7.2	7.2	7.0
26	8.0	7.6	7.6	7.5	7.1	7.0	7.7	7.6	7.2	7.2	7.2	7.1
27	7.8	7.6	7.8	7.5	7.1	7.0	7.7	7.7	7.2	7.1	7.2	7.2
28	7.7	7.5	8.0	7.6	7.0	7.0	7.7	7.6	7.2	7.1	7.3	7.2
29	7.7	7.4	7.9	7.7	7.0	7.0	7.6	7.6	---	---	7.4	7.3
30	7.7	7.4	7.9	7.7	7.0	7.0	7.6	7.5	---	---	7.6	7.6
31	7.9	7.5	---	---	7.0	7.0	7.6	7.5	---	---	7.6	7.5

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.7	7.4	8.8	8.1	7.2	7.0	8.6	7.2	7.2	7.0	7.8	7.4
2	7.8	7.4	8.9	8.2	7.1	6.9	8.7	7.3	7.5	7.1	7.7	7.3
3	8.1	7.6	8.6	8.0	7.4	6.9	8.9	7.8	7.5	7.1	8.1	7.3
4	8.4	7.7	8.5	7.7	7.2	7.0	8.6	7.8	7.6	7.1	8.0	7.4
5	8.6	7.8	8.0	7.6	---	---	8.8	7.6	7.3	7.1	7.9	7.5
6	8.6	7.4	7.6	7.4	7.9	7.3	8.3	7.5	7.4	7.0	7.9	7.5
7	7.4	7.0	7.6	7.4	8.2	7.3	8.1	7.5	7.6	7.1	7.7	7.4
8	7.3	7.0	7.8	7.3	8.3	7.4	8.2	7.6	7.8	7.1	7.9	7.3
9	7.0	6.9	7.8	7.6	8.5	7.7	8.4	7.6	7.6	7.2	7.8	7.5
10	6.9	6.9	7.9	7.6	8.6	8.1	8.0	7.3	7.6	7.3	7.8	7.4
11	6.9	6.9	8.5	7.5	8.8	8.2	8.2	7.2	7.6	7.3	7.6	7.4
12	7.0	6.9	7.8	7.4	8.6	7.3	7.9	7.3	7.5	7.3	7.6	7.3
13	7.0	7.0	7.5	7.1	7.3	7.0	7.5	7.2	7.5	7.3	7.8	7.3
14	7.1	7.0	7.2	7.0	7.3	7.1	7.4	7.2	7.4	7.2	7.8	7.4
15	7.0	7.0	7.1	7.0	7.2	7.0	7.4	7.2	7.8	7.2	7.8	7.5
16	7.1	7.0	7.2	7.0	7.2	7.0	7.7	7.2	7.8	7.4	7.6	7.4
17	7.2	7.1	7.3	7.1	7.2	6.8	7.9	7.2	7.7	7.3	7.7	7.3
18	7.2	7.1	7.3	7.1	6.9	6.7	7.7	7.2	7.8	7.3	8.1	7.4
19	7.3	7.2	7.2	7.0	7.3	6.9	7.6	7.2	7.7	7.3	8.1	7.5
20	7.3	7.1	7.3	7.0	7.4	7.0	7.5	7.2	7.4	7.2	7.9	7.6
21	7.6	7.2	7.2	7.0	8.1	7.0	7.8	7.3	7.5	7.1	7.7	7.5
22	7.5	7.3	7.3	7.0	8.0	7.1	7.8	7.5	7.4	7.2	7.6	7.4
23	7.9	7.3	7.4	7.1	8.2	7.2	8.0	7.5	7.8	7.2	7.7	7.3
24	8.1	7.6	7.4	7.0	7.8	7.2	7.7	7.6	7.5	7.2	7.6	7.3
25	8.5	7.6	7.2	7.0	7.5	7.2	7.7	7.5	7.5	7.2	7.7	7.3
26	8.0	7.6	7.0	6.9	8.6	7.1	7.7	7.5	7.5	7.1	7.9	7.4
27	8.0	7.5	7.0	6.9	8.1	7.3	7.8	7.5	7.8	7.2	7.8	7.4
28	8.6	7.8	7.0	6.9	7.9	7.3	7.9	7.4	7.6	7.4	7.7	7.4
29	8.8	8.0	7.1	6.9	7.8	7.4	7.5	7.3	7.8	7.4	7.6	7.4
30	8.8	8.0	7.1	6.9	7.4	7.2	7.7	7.3	7.7	7.5	7.6	7.3
31	---	---	7.2	7.0	---	---	7.4	7.0	7.6	7.4	---	---

0728875070 DEER CREEK EAST OF LELAND, MS--Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	237	227	231	244	221	233	268	262	266	98	97	97
2	267	232	246	239	229	232	275	267	270	101	97	99
3	283	267	273	241	216	235	277	274	275	109	101	105
4	289	229	264	227	214	221	284	234	267	121	109	114
5	297	283	291	227	137	173	242	228	233	132	121	128
6	292	223	256	150	134	139	256	241	248	131	129	130
7	251	205	231	164	139	152	341	256	291	131	129	129
8	252	214	233	143	132	136	341	216	256	133	131	132
9	221	204	215	145	137	142	217	199	207	134	130	132
10	204	159	176	137	133	134	219	202	211	134	131	133
11	164	157	160	145	133	139	222	210	217	137	134	135
12	183	162	173	156	145	150	211	198	204	141	137	140
13	182	165	176	167	155	160	198	169	176	145	140	142
14	199	165	178	175	164	169	189	158	170	147	145	146
15	201	192	198	190	172	182	214	188	205	149	146	147
16	193	188	190	193	184	186	223	211	213	152	147	150
17	204	192	197	201	191	197	229	201	216	154	150	151
18	206	202	204	204	191	196	221	201	210	155	153	155
19	205	189	200	225	203	218	224	200	213	158	154	157
20	196	190	193	221	214	217	200	181	188	160	157	159
21	197	193	195	218	212	215	195	184	189	163	158	160
22	198	195	196	220	214	217	210	190	203	162	159	160
23	199	194	196	226	220	222	212	168	203	164	160	162
24	203	197	200	233	224	228	168	125	135	169	162	164
25	209	198	203	239	230	233	144	124	136	172	166	168
26	205	199	202	243	238	240	124	102	110	175	169	171
27	217	203	212	244	239	242	107	84	91	176	173	174
28	227	216	220	252	241	246	85	84	85	178	175	177
29	235	218	229	257	251	254	87	85	87	176	160	170
30	225	215	220	262	257	258	94	87	91	175	163	169
31	222	215	219	---	---	---	101	94	98	179	174	177
		FEBRUARY			MARCH			APRIL			MAY	
1	185	177	180	97	94	95	193	186	190	233	226	229
2	187	176	183	96	92	93	191	186	188	238	231	234
3	196	185	188	94	92	92	192	183	186	250	236	241
4	204	196	200	96	94	95	192	186	188	255	244	252
5	199	196	197	103	96	99	196	189	192	257	250	252
6	200	182	197	110	103	107	197	116	177	264	257	260
7	194	181	188	115	109	112	153	102	123	266	256	263
8	209	194	202	123	115	119	171	106	147	299	256	273
9	220	209	216	138	123	132	106	90	100	303	237	266
10	225	211	219	142	138	140	100	97	98	296	238	270
11	212	191	200	160	142	149	109	99	104	298	258	279
12	201	192	197	164	158	162	116	109	113	262	204	236
13	197	179	187	159	142	149	123	116	120	204	163	184
14	184	172	177	146	136	142	126	122	124	168	157	163
15	196	182	187	147	145	146	131	124	126	171	165	169
16	205	188	196	148	144	145	136	130	134	185	171	178
17	213	193	203	150	143	145	145	136	141	185	163	173
18	213	133	184	150	139	147	153	145	148	172	166	169
19	161	133	153	147	132	142	163	153	157	179	166	172
20	167	161	163	155	143	150	170	161	167	183	177	181
21	163	130	152	143	131	139	182	170	178	185	170	176
22	133	109	117	138	115	130	192	182	188	184	169	174
23	116	103	109	115	110	112	199	189	195	203	184	195
24	115	98	108	129	113	121	207	196	202	206	182	197
25	98	87	90	147	129	137	203	196	200	188	174	181
26	88	82	86	158	146	153	213	203	210	185	175	179
27	85	79	82	164	158	160	222	213	219	189	179	184
28	94	85	90	172	163	166	228	214	219	192	182	188
29	---	---	---	---	171	---	226	215	220	214	190	199
30	---	---	---	184	---	---	229	222	225	216	202	207
31	---	---	---	192	183	187	---	---	---	224	209	217

0728875070 DEER CREEK EAST OF LELAND, MS--Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMANS PER CENTIMETER AT 25 DEGREES CELSIUS--Continued
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	237	222	229	239	233	236	378	358	363	479	432	468
2	239	226	232	239	228	233	386	377	382	459	406	436
3	255	231	240	232	229	230	389	382	385	409	395	402
4	---	246	---	236	231	233	397	385	391	400	397	399
5	---	---	---	247	236	240	390	374	381	401	399	399
6	306	---	---	248	243	246	374	357	365	403	400	401
7	278	188	228	263	247	254	375	358	364	424	403	410
8	247	201	220	294	263	277	399	374	387	418	413	416
9	306	247	285	305	281	297	420	396	407	418	415	416
10	307	300	305	286	244	261	455	417	433	424	417	420
11	315	281	304	342	244	278	476	450	464	431	421	425
12	281	151	203	373	269	335	483	475	478	433	428	430
13	154	139	146	269	208	231	486	481	483	436	426	430
14	164	139	150	240	208	215	481	471	476	438	430	433
15	169	146	160	236	219	225	474	472	473	436	433	435
16	178	168	175	247	234	240	477	474	475	447	434	437
17	181	108	160	271	245	257	478	475	476	447	436	441
18	124	78	98	270	262	266	483	477	479	455	441	448
19	203	124	169	278	264	270	486	473	481	466	448	455
20	204	158	179	302	275	282	477	472	474	473	454	459
21	178	161	170	339	302	323	473	461	469	464	445	459
22	174	159	166	417	339	380	463	460	462	445	338	382
23	164	152	158	468	417	447	463	459	461	350	342	346
24	164	154	158	481	465	474	466	463	463	350	346	347
25	176	159	167	470	440	456	474	465	468	356	348	351
26	182	---	177	440	419	429	475	469	472	359	353	356
27	201	180	188	420	411	416	475	472	474	377	357	366
28	213	201	207	427	406	411	474	448	465	377	372	374
29	230	212	217	412	404	407	464	460	462	379	375	376
30	244	220	229	404	397	401	474	462	467	380	376	378
31	---	---	---	397	364	381	482	471	475	---	---	---

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	25.7	24.8	25.1	17.2	15.7	16.2	9.6	8.5	9.0	9.6	8.9	9.1
2	26.5	25.4	25.7	15.8	14.5	14.8	9.0	7.9	8.5	8.9	7.8	8.5
3	26.1	25.3	25.8	14.5	13.5	13.8	9.6	8.8	9.1	7.8	7.2	7.5
4	26.0	24.8	25.3	13.5	12.8	13.2	9.2	8.6	8.9	7.7	7.0	7.4
5	26.0	24.7	25.3	12.9	12.6	12.8	8.6	6.6	7.7	8.5	7.6	8.0
6	26.0	24.6	25.2	13.3	12.4	12.8	6.9	5.8	6.3	8.5	7.6	8.1
7	25.6	23.7	24.9	12.9	12.3	12.5	6.5	5.5	6.0	7.6	6.8	7.2
8	23.7	22.4	22.9	12.7	12.0	12.4	6.5	5.9	6.2	7.8	6.6	7.2
9	22.6	21.6	22.0	14.3	12.6	13.2	7.2	6.0	6.6	8.8	7.4	8.0
10	21.9	21.4	21.7	17.0	14.3	15.9	7.1	6.6	6.8	8.7	7.8	8.4
11	22.3	21.7	21.9	17.2	16.3	17.0	6.8	6.3	6.6	7.8	6.7	7.1
12	22.6	21.4	22.0	16.3	14.7	15.6	6.9	6.0	6.4	6.7	5.6	6.0
13	22.0	20.2	21.5	14.7	13.7	14.1	6.8	6.5	6.6	5.8	5.2	5.5
14	20.2	18.3	19.0	14.2	13.3	13.8	6.9	6.0	6.4	5.4	5.0	5.1
15	18.7	17.7	18.1	14.6	13.5	14.1	7.6	6.4	6.8	5.7	4.6	5.1
16	18.2	17.0	17.6	13.5	11.9	12.7	8.9	7.0	7.7	5.3	4.5	5.0
17	17.8	16.4	17.1	12.6	11.1	11.7	10.9	8.8	10.0	4.5	3.6	4.1
18	18.0	16.5	17.2	12.3	10.6	11.4	12.7	10.9	11.8	4.1	3.5	3.8
19	17.9	17.5	17.7	13.4	11.8	12.4	14.0	12.7	13.4	4.8	3.4	4.0
20	17.8	17.2	17.6	14.2	11.9	12.8	13.4	12.2	12.7	5.7	4.2	4.8
21	17.4	16.9	17.1	13.9	11.7	12.7	12.2	11.3	11.6	8.0	5.7	6.7
22	17.8	16.6	17.1	12.7	11.5	12.1	11.9	10.9	11.4	7.8	6.2	7.0
23	18.4	17.6	17.9	11.8	10.5	11.3	10.9	9.3	10.2	6.2	4.2	5.4
24	18.5	18.0	18.2	11.5	10.6	11.0	9.3	8.0	8.4	4.7	3.4	3.9
25	18.8	18.3	18.5	11.6	11.1	11.3	8.0	7.0	7.4	4.3	3.4	3.8
26	19.1	18.7	18.8	11.2	9.9	10.5	7.2	6.0	6.4	5.0	3.4	4.1
27	18.8	18.4	18.6	9.9	9.0	9.5	6.0	5.3	5.7	4.8	3.2	3.9
28	18.9	18.5	18.7	10.2	8.7	9.2	6.4	5.4	5.9	5.8	4.3	5.0
29	20.1	18.6	19.2	9.9	8.3	9.1	7.2	5.7	6.3	8.1	5.8	6.9
30	19.0	18.2	18.6	10.4	9.5	9.9	8.9	7.2	7.9	7.7	6.9	7.2
31	18.2	17.2	17.6	---	---	---	9.8	8.9	9.5	6.9	5.9	6.5

0728875070 DEER CREEK EAST OF LELAND, MS--Continued

TEMPERATURE, WATER, DEGREES CELSIUS--Continued
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.2	5.9	6.4	5.9	5.6	5.7	17.0	14.7	15.5	28.5	24.1	25.4
2	8.6	6.5	7.7	5.9	5.4	5.7	17.3	15.7	16.4	29.0	25.3	26.7
3	10.4	8.4	9.4	6.4	5.2	5.8	19.0	17.1	17.8	27.0	25.5	26.2
4	10.7	8.9	9.8	7.1	6.1	6.5	20.4	18.6	19.2	26.6	25.4	26.0
5	9.8	8.4	8.7	8.4	7.1	7.8	21.3	19.1	19.8	26.1	25.4	25.7
6	8.4	7.8	8.2	8.5	8.0	8.3	21.2	19.1	20.0	25.9	25.1	25.4
7	7.8	6.7	7.2	9.6	7.5	8.5	19.4	18.5	18.9	26.7	24.9	25.5
8	6.8	5.9	6.4	11.0	9.4	10.2	19.3	17.3	18.4	27.5	25.6	26.4
9	6.3	5.8	6.0	12.6	11.0	11.6	17.3	14.5	15.6	27.8	26.7	27.2
10	7.1	5.7	6.3	12.1	10.5	11.2	15.2	13.6	14.4	27.9	27.0	27.4
11	7.6	5.9	6.5	12.5	10.6	11.4	15.8	14.2	15.0	28.4	26.4	26.9
12	9.7	6.6	8.1	14.5	11.7	12.6	17.1	15.1	16.0	26.8	25.0	25.9
13	9.6	8.4	8.6	15.4	13.7	14.6	18.6	16.6	17.4	25.7	23.9	24.4
14	10.2	8.4	9.1	15.0	14.5	14.8	19.6	17.9	18.4	24.1	23.4	23.7
15	12.2	10.0	11.0	15.6	13.7	14.5	20.5	18.6	19.4	24.6	23.2	23.6
16	12.2	9.6	10.7	16.5	15.2	15.7	20.7	20.0	20.4	25.6	24.2	24.6
17	9.6	8.1	8.7	17.2	16.0	16.4	22.5	20.2	21.1	25.6	24.1	24.8
18	9.7	7.8	8.6	17.5	16.3	16.7	22.1	20.0	20.7	25.2	24.0	24.3
19	10.6	9.7	10.2	18.1	16.6	17.3	22.4	21.7	22.0	24.6	23.2	23.7
20	10.5	10.2	10.4	18.1	16.8	17.5	22.0	21.5	21.7	25.6	24.1	24.6
21	11.0	10.0	10.4	16.9	15.8	16.2	23.8	20.9	22.3	24.9	23.3	24.0
22	11.4	10.4	11.1	16.6	15.2	15.9	22.2	21.0	21.4	24.8	22.4	23.3
23	11.2	9.6	10.4	17.2	15.9	16.5	22.0	20.5	21.3	24.9	22.3	23.4
24	11.1	10.2	10.6	18.3	16.6	17.3	21.7	20.8	21.3	24.4	22.4	23.0
25	10.2	8.2	9.1	19.0	17.6	18.2	23.9	21.1	22.2	24.9	23.1	23.7
26	8.2	6.5	7.2	18.6	17.9	18.3	22.0	20.6	21.3	24.6	22.5	23.0
27	6.5	6.0	6.2	18.9	16.9	17.6	21.5	19.3	20.2	23.6	22.3	22.8
28	6.2	5.9	6.1	19.5	17.8	18.6	22.7	21.2	21.9	26.9	22.4	24.2
29	---	---	---	19.0	---	---	23.7	22.5	23.0	28.4	23.5	25.3
30	---	---	---	---	14.6	---	24.9	23.2	23.9	26.2	24.6	25.2
31	---	---	---	15.0	13.8	14.3	---	---	---	28.1	24.4	26.2
		JUNE			JULY			AUGUST			SEPTEMBER	
1	26.8	24.6	25.2	31.7	27.5	29.1	31.0	29.0	30.1	28.9	27.2	28.0
2	26.2	24.4	25.0	30.9	28.6	29.5	31.9	29.8	30.6	29.0	27.7	28.3
3	28.0	24.8	25.9	31.5	29.4	30.3	30.8	28.8	29.8	30.6	28.1	29.1
4	---	24.6	---	31.2	29.6	30.5	31.9	28.4	30.0	29.9	28.5	29.1
5	---	---	---	31.7	29.5	30.3	30.6	29.5	29.9	28.7	26.8	27.7
6	25.8	25.0	25.2	30.2	28.9	29.6	32.1	28.8	30.1	27.5	25.6	26.6
7	26.9	24.6	25.5	30.3	28.8	29.5	30.9	29.1	30.0	27.1	26.1	26.6
8	28.0	25.2	26.4	31.2	29.2	30.0	31.3	28.9	30.0	27.7	25.8	26.7
9	27.3	25.6	26.3	30.6	29.3	30.0	30.8	28.9	29.7	27.2	26.1	26.7
10	28.1	26.6	27.3	30.4	29.3	29.8	30.8	28.6	29.7	27.5	26.1	26.7
11	29.1	27.8	28.3	31.2	28.6	29.8	29.9	28.8	29.3	27.6	26.0	26.7
12	28.2	24.9	26.0	30.4	29.1	29.7	29.3	28.2	28.7	26.9	25.9	26.4
13	25.6	24.5	24.8	31.0	29.2	30.0	28.2	27.4	27.8	28.0	25.5	26.4
14	25.9	25.0	25.3	30.8	29.1	29.9	29.2	27.3	28.0	28.6	25.6	27.1
15	26.9	25.4	25.9	31.0	29.5	30.2	30.6	28.0	29.0	27.5	25.9	26.7
16	27.9	26.0	26.6	33.1	30.0	31.3	32.0	29.2	30.3	25.9	24.3	25.1
17	27.9	25.6	27.0	34.4	30.6	32.1	31.4	30.0	30.8	25.1	23.2	24.3
18	25.9	24.3	25.1	32.0	30.6	31.3	33.3	30.1	31.5	27.4	23.6	25.0
19	28.8	25.5	26.6	31.4	29.8	30.7	33.1	30.8	31.7	28.7	24.7	26.2
20	28.8	26.6	27.4	31.0	29.6	30.2	32.1	30.4	31.1	26.5	24.8	25.3
21	29.1	27.2	27.8	32.1	29.6	30.8	31.0	29.8	30.4	25.2	24.0	24.6
22	29.3	27.2	27.8	31.4	30.2	30.6	30.3	29.3	29.8	25.4	23.2	24.1
23	29.3	27.7	28.3	31.5	29.2	30.3	31.4	29.2	30.2	25.2	23.6	24.2
24	29.8	28.0	28.8	30.4	28.3	29.4	31.5	30.0	30.7	24.9	23.9	24.3
25	30.1	29.0	29.5	30.0	28.3	29.2	32.1	30.1	31.0	25.1	23.7	24.3
26	30.1	---	29.6	30.3	28.5	29.4	32.0	30.0	31.0	26.0	24.3	25.0
27	29.6	28.0	28.7	32.0	29.2	30.4	31.4	29.9	30.6	27.7	25.2	26.2
28	29.3	27.8	28.4	33.8	30.1	31.6	29.9	28.7	29.1	26.0	23.4	24.7
29	29.3	28.1	28.6	32.1	30.8	31.4	30.0	27.9	28.9	23.4	21.5	22.3
30	29.0	28.1	28.5	33.0	30.3	31.2	29.4	28.4	28.8	21.6	20.2	20.9
31	---	---	---	31.0	29.8	30.4	29.2	27.7	28.4	---	---	---

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 mi^2, approximately, U.S. Army Corps of Engineers.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1996 to current year.

GAGE.--Water-stage recorder and acoustic Doppler velocity meter. Datum of gage is NGVD of 1929 (U.S. Army Corps of Engineers benchmark).

REMARKS.--Estimated daily discharges: Oct. 1 - Jan. 2, Feb. 13-18, Mar. 11-14, Jul. 29 and Aug. 6,7 14-26. Records are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e37500	e27500	e19000	e56500	26000	44700	21000	11200	22200	21600	14200	14700
2	e35600	e26000	e19100	e48400	25200	44200	21300	10100	23500	22800	14600	16100
3	e32800	e22200	e18900	50100	24900	42900	20900	7680	25800	22400	15100	15400
4	e28600	e22300	e19500	48700	24300	42000	20300	7810	28700	21300	17000	15500
5	e23000	e35500	e20300	46700	24100	42000	19200	7980	36400	19700	17300	15200
6	e32500	e40300	e26600	45200	24800	40700	29100	11000	48600	18800	e16800	14900
7	e31500	e43200	e29400	43600	28800	41600	59400	13200	54800	17000	e16700	14400
8	e30000	e44500	e27600	41300	31500	42600	56300	20900	57800	17900	16300	13900
9	e27700	e44400	e24800	39500	31400	44200	56500	23800	55300	15200	15600	12800
10	e37300	e41300	e18400	38100	30600	44300	54900	23900	47700	12600	15500	11600
11	e42800	e39800	e15200	36200	29500	e49600	48700	23600	37600	13000	15800	10400
12	e45700	e37300	e14900	34400	27700	e48400	42000	22800	34100	13800	14800	10600
13	e46600	e36100	e17500	33200	e26600	e46700	35700	21400	39900	14400	13900	10300
14	e45500	e31100	e23000	32400	e24000	e50200	30000	21600	41400	12700	e13600	10300
15	e44600	e28000	e24800	31600	e23800	51000	25500	21400	39900	14300	e13100	10900
16	e42700	e27100	e23300	31500	e24700	50700	21200	20400	36300	17500	e12700	11600
17	e41300	e26600	e23200	30600	e27700	53500	18800	19600	31200	15300	e14300	12200
18	e38300	e26200	e24400	29800	e28200	51200	17300	18300	27000	13800	e14200	12300
19	e35100	e23200	e26100	29600	27800	48400	15300	17600	25700	12900	e12500	11700
20	e32500	e23000	e23900	28900	26400	44800	14000	15800	25100	11900	e12200	11200
21	e35900	e22500	e25400	27300	34600	41100	13200	16200	25100	12400	e12700	11300
22	e35100	e21100	e20500	26700	46700	36800	14300	15000	26000	14600	e14300	12300
23	e32200	e20900	e22900	26600	49000	33300	13800	14900	26500	16800	e13000	13300
24	e28300	e21000	e33400	26500	48000	30900	14500	15300	25900	17000	e11800	15300
25	e30300	e20700	e44800	26200	46900	29300	14800	15100	24500	16700	e12000	18500
26	e30200	e20600	e50400	25200	45800	27600	14700	16400	22500	16400	e12500	18800
27	e28800	e20200	e51100	25000	48200	26000	14600	16600	20700	15300	13400	17600
28	e32200	e19800	e52900	25600	47200	24200	14500	17300	20700	14500	13400	16200
29	e33500	e19600	e51400	25400	---	22700	14100	18200	21000	e14600	13500	14700
30	e29500	e19200	e55400	25800	---	21900	12500	19800	21100	14500	13500	12400
31	e29900	---	e58000	25800	---	21400	---	20400	---	14200	13300	---
TOTAL	1077500	851200	906100	1062400	904400	1238900	768400	525270	973000	495900	439600	406400
MEAN	34760	28370	29230	34270	32300	39960	25610	16940	32430	16000	14180	13550
MAX	46600	44500	58000	56500	49000	53500	59400	23900	57800	22800	17300	18800
MIN	23000	19200	14900	25000	23800	21400	12500	7680	20700	11900	11800	10300
CFSM	2.60	2.12	2.19	2.57	2.42	2.99	1.92	1.27	2.43	1.20	1.06	1.01
IN.	3.00	2.37	2.52	2.96	2.52	3.45	2.14	1.46	2.71	1.38	1.22	1.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2003, BY WATER YEAR (WY)

MEAN	12830	13220	23280	30360	30690	30060	28610	13840	16580	11820	10860	11070
MAX	34760	28370	48970	50040	45070	49290	43620	29700	32430	21180	14730	15150
(WY)	2003	2003	2002	2002	1997	2001	1997	1997	2003	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1996 - 2003	
ANNUAL TOTAL	10152900		9649070			
ANNUAL MEAN	27820		26440		19370	
HIGHEST ANNUAL MEAN					26550	2002
LOWEST ANNUAL MEAN					10270	2000
HIGHEST DAILY MEAN	72000	Jan 4	59400	Apr 7	72000	Jan 4 2002
LOWEST DAILY MEAN	10300	May 25	7680	May 3	-3750	May 20 1996
ANNUAL SEVEN-DAY MINIMUM	10900	May 22	9750	Apr 30	-2160	May 17 1996
MAXIMUM PEAK FLOW			61900a	Apr 7	72100	Feb 27 1999
MAXIMUM PEAK STAGE			90.92	May 29	98.31	Mar 25 1997
ANNUAL RUNOFF (CFSM)	2.08		1.98		1.45	
ANNUAL RUNOFF (INCHES)	28.28		26.88		19.71	
10 PERCENT EXCEEDS	48400		46600		42200	
50 PERCENT EXCEEDS	24400		23900		14100	
90 PERCENT EXCEEDS	12900		13100		5380	

e Estimated
a Maximum observed, may have been higher during estimated periods.

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 WY03 closure dates: Oct. 25-Nov. 5, Nov. 13-16, Dec. 17-18, 26-30, Jan. 2-Apr. 9, Apr. 14-May 30, June 5-6, 12-13, June 18-July 31, Aug. 2-Sept. 30 (furnished by U.S. Army Corps of Engineers). Steele Bayou Drainage Structure WY03 closure dates: Apr. 20-22, May 10-June 7 (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 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Sampling depth, feet (00003)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Location in X-sect. looking dwnstrm ft from l bank (00009)
OCT										
10...	1200	37300	--	--	761	3.9	6.7	127	24.0	--
10...	1231	--	1.00	--	--	3.8	6.6	117	24.0	75.0
10...	1232	--	1.00	--	--	3.9	6.7	131	24.0	200
10...	1233	--	1.00	--	--	4.0	6.8	135	24.0	300
NOV										
05...	1200	35500	--	--	764	7.5	6.8	127	15.8	--
05...	1300	--	1.00	--	--	7.7	6.8	137	15.7	275
05...	1302	--	1.00	--	--	7.5	6.8	134	15.8	200
05...	1306	--	1.00	--	--	7.2	6.7	110	15.8	75.0
DEC										
03...	1200	18900	--	110	766	10.2	7.1	81	11.0	--
03...	1231	--	1.00	--	--	10.4	7.0	78	10.8	75.0
03...	1232	--	16.0	--	--	10.3	7.1	76	10.8	75.0
03...	1233	--	1.00	--	--	10.4	7.0	87	10.9	200
03...	1234	--	32.0	--	--	--	7.0	81	10.8	200
03...	1235	--	1.00	--	--	10.0	7.0	83	10.9	275
03...	1236	--	28.5	--	--	10.0	7.0	86	10.9	275
JAN										
14...	1200	32500	--	160	770	10.8	7.0	67	7.0	--
14...	1231	--	1.00	--	--	11.6	6.9	63	7.0	100
14...	1232	--	17.0	--	--	11.0	6.9	63	7.0	100
14...	1233	--	1.00	--	--	10.8	7.3	65	7.0	200
14...	1234	--	43.0	--	--	10.4	7.1	67	7.0	200
14...	1235	--	1.00	--	--	10.8	6.9	70	7.0	300
14...	1236	--	34.0	--	--	10.3	6.8	70	7.0	300
FEB										
10...	1200	30400	--	240	767	11.5	7.4	105	6.2	--
MAR										
06...	1200	39900	--	190	761	10.3	7.5	67	8.3	--
APR										
10...	1630	55300	--	780	760	7.0	7.0	88	16.6	--
MAY										
08...	1200	20700	--	--	760	6.2	7.2	180	25.0	--
08...	1230	--	1.00	--	--	6.2	7.1	201	25.5	75.0
08...	1231	--	38.0	--	--	6.1	7.1	157	24.5	75.0
08...	1232	--	1.00	--	--	6.2	7.1	195	25.0	150
08...	1233	--	41.0	--	--	6.1	7.1	158	24.5	150
08...	1234	--	1.00	--	--	6.4	7.2	191	25.0	300
08...	1235	--	32.0	--	--	6.2	7.2	188	24.5	300
JUN										
13...	1200	40000	--	310	762	3.8	7.4	142	25.5	--
13...	1230	--	1.00	--	--	3.9	6.6	122	25.6	150
13...	1231	--	36.0	--	--	4.2	6.6	128	25.6	150
13...	1232	--	1.00	--	--	3.9	6.6	147	25.7	200
13...	1233	--	44.0	--	--	4.1	6.6	139	25.6	200
13...	1234	--	1.00	--	--	3.3	6.6	158	25.7	375
13...	1235	--	32.0	--	--	3.2	6.6	156	25.7	375
JUL										
15...	1200	13200	--	150	760	5.3	7.4	115	30.0	--
AUG										
04...	1200	18000	--	78	762	5.9	7.2	181	29.5	--
04...	1201	--	1.00	--	--	5.9	7.2	202	29.7	150
04...	1202	--	29.0	--	--	5.8	7.1	187	29.3	150
04...	1203	--	1.00	--	--	6.3	7.3	231	29.9	250
04...	1204	--	36.0	--	--	5.9	7.3	198	29.3	250
04...	1205	--	1.00	--	--	5.9	7.2	215	29.6	350
04...	1206	--	30.0	--	--	5.8	7.2	209	29.4	350
12...	1530	15200	--	81	--	6.2	7.1	141	29.1	--
SEP										
09...	1430	13800	--	120	761	7.3	7.7	179	28.0	--
09...	1500	--	1.00	--	--	7.4	6.9	166	28.5	75.0
09...	1501	--	31.0	--	--	7.0	6.9	179	28.0	75.0
09...	1502	--	1.00	--	--	7.3	6.8	172	28.5	150
09...	1503	--	29.0	--	--	7.1	6.9	183	28.0	150
09...	1504	--	1.00	--	--	7.5	6.8	171	28.0	225
09...	1505	--	14.0	--	--	7.3	6.8	174	28.0	225

07288955 YAZOO RIVER BELOW STEELE BAYOU NEAR LONG LAKE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

Date	Time	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Suspended sediment concentration mg/L (80154)
OCT												
10...	1200	44	54	4.01	5.1	1.4	.11	.17	.029	.16	.38	704
NOV												
05...	1200	50	61	3.93	5.5	1.3	.07	.31	.010	.05	.79	973
DEC												
03...	1200	E25	E30	3.57	5.0	.61	E.03	.20	E.005	.02	.23	245
JAN												
14...	1200	20	25	2.42	5.1	.74	.04	.14	<.008	.02	.25	235
FEB												
10...	1200	E31	E38	4.76	6.4	1.0	.06	.33	E.005	.02	.38	563
MAR												
06...	1200	E19	E24	2.87	4.7	.82	.05	.21	E.004	.03	.26	192
APR												
10...	1630	28	34	2.76	4.8	1.9	.24	.74	.029	.05	.79	984
MAY												
08...	1200	65	78	6.45	9.3	.84	<.04	.56	E.004	.04	.30	--
JUN												
13...	1200	E42	E51	6.55	8.4	1.1	.05	.71	E.007	.05	.48	286
JUL												
15...	1200	34	42	4.05	8.0	.65	<.04	.39	E.006	.03	.26	172
AUG												
04...	1200	64	78	6.34	11.8	.59	<.04	.38	.021	.06	.20	123
SEP												
09...	1430	--	--	6.45	9.8	.67	<.04	.21	.016	.05	.25	234

Date	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Butylate, water, fltrd, ug/L (04028)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chlorpyrifos water, fltrd, ug/L (38933)
OCT												
10...	<.006	E.014	<.006	<.004	<.005	.070	<.050	<.010	<.002	E.009	<.020	<.005
NOV												
05...	<.006	E.014	<.006	<.004	<.005	.185	<.050	<.010	<.002	E.007	<.020	<.005
DEC												
03...	<.006	E.011	<.006	<.004	<.005	.096	<.050	<.010	<.002	E.011	<.020	<.005
JAN												
14...	<.006	E.007	<.006	<.004	<.005	.048	<.050	<.010	<.002	<.041	<.020	<.005
FEB												
10...	<.006	E.005	<.006	<.004	<.005	.076	<.050	<.010	<.002	<.041	<.020	<.005
MAR												
06...	<.006	E.004	<.006	<.004	<.005	.051	<.050	<.010	<.002	<.041	<.020	<.005
APR												
10...	<.006	E.227	<.006	.032	<.005	11.4	<.050	<.010	<.002	E.016	<.020	<.005
MAY												
08...	<.006	E.080	.011	.020	<.005	2.11	<.050	<.010	<.002	<.041	<.020	<.005
JUN												
13...	<.006	E.161	E.008	.008	<.005	1.35	<.050	<.010	<.002	E.008	<.020	<.005
JUL												
15...	<.006	E.040	.012	<.010	<.005	.557	<.050	<.010	<.002	<.041	<.020	<.007
AUG												
04...	<.006	E.036	.009	<.010	<.005	.416	<.050	<.010	<.002	<.041	<.020	<.005
SEP												
09...	<.006	E.025	<.010	.008	<.005	.302	<.050	<.010	<.002	<.041	<.020	<.005

Remark codes:
< -- Less than
E -- Estimated value

07288955 YAZOO RIVER BELOW STEELE BAYOU NEAR LONG LAKE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

Date	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyanazine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)
OCT												
10...	<.006	.021	<.003	--	.015	<.005	<.02	<.002	<.009	<.005	--	--
NOV												
05...	<.006	<.018	<.003	<.004	<.005	<.005	<.02	<.002	<.009	<.005	<.009	<.005
DEC												
03...	<.006	<.018	<.003	<.004	<.007	<.005	<.02	<.002	<.009	<.005	<.009	<.005
JAN												
14...	<.006	<.018	<.003	<.004	<.005	<.005	<.02	<.002	<.009	<.005	<.009	<.005
FEB												
10...	<.006	<.018	<.003	<.004	<.005	<.005	<.02	<.002	<.009	<.005	<.009	<.005
MAR												
06...	<.006	<.018	<.003	<.004	<.005	<.005	<.02	<.007	<.009	<.005	<.009	<.005
APR												
10...	<.006	<.018	<.003	<.004	<.005	<.005	<.02	<.002	<.009	<.005	<.009	<.005
MAY												
08...	<.006	<.018	<.003	<.004	<.005	.026	<.02	<.002	<.009	<.005	<.009	<.005
JUN												
13...	<.006	E.009	<.003	<.004	.008	<.005	<.02	<.002	<.009	<.005	<.009	<.005
JUL												
15...	<.006	.166	<.003	<.004	E.004	<.005	<.02	<.002	<.009	<.005	<.009	<.005
AUG												
04...	<.006	.021	<.003	<.004	<.005	<.005	<.02	<.002	<.009	<.005	<.009	<.005
SEP												
09...	<.006	E.015	<.003	<.004	<.005	<.010	<.02	<.002	<.009	<.005	E.004	<.005

Date	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)
OCT												
10...	--	--	<.003	<.004	.039	.094	<.006	.074	<.011	<.002	<.007	<.003
NOV												
05...	<.005	<.007	<.003	<.004	<.035	E.016	<.006	.050	<.006	<.002	<.007	<.003
DEC												
03...	<.005	<.007	<.003	<.004	<.035	E.004	<.006	.016	<.006	<.002	<.007	<.003
JAN												
14...	<.005	<.007	<.003	<.004	<.035	<.027	<.006	.015	<.006	<.002	<.007	<.003
FEB												
10...	<.005	<.007	<.003	<.004	<.035	E.004	<.006	.021	<.006	<.004	<.007	<.003
MAR												
06...	<.005	<.007	<.003	<.004	<.035	<.027	<.006	.021	<.006	<.005	<.007	<.003
APR												
10...	<.005	<.007	<.003	<.004	<.035	<.027	<.900	1.12	.178	<.002	<.007	<.003
MAY												
08...	<.005	<.007	<.003	<.004	<.035	<.027	<.006	.629	E.006	<.002	<.007	<.003
JUN												
13...	<.005	E.006	<.003	<.004	<.035	.178	<.006	.499	.012	.060	<.007	<.003
JUL												
15...	<.005	<.007	<.003	<.004	.128	E.027	<.006	.141	<.006	.014	<.007	<.003
AUG												
04...	<.005	<.007	<.003	<.004	.102	.044	<.006	.101	<.006	.029	<.010	<.003
SEP												
09...	<.005	<.007	<.003	<.004	E.030	.056	.009	.065	<.006	<.004	<.007	<.003

Remark codes:
< -- Less than
E -- Estimated value

07288955 YAZOO RIVER BELOW STEELE BAYOU NEAR LONG LAKE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

Date	Para-thion, water, fltrd, ug/L (39542)	Peb-ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prome-ton, water, fltrd, ug/L (04037)	Pron-amide, water, fltrd 0.7u GF ug/L (82676)	Propa-chlor, water, fltrd, ug/L (04024)	Pro-panil, water, fltrd 0.7u GF ug/L (82679)	Propar-gite, water, fltrd 0.7u GF ug/L (82685)	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Terba-cil, water, fltrd 0.7u GF ug/L (82665)
OCT												
10...	<.010	<.004	<.022	<.011	.02	<.004	<.010	<.011	<.02	.027	<.02	<.034
NOV												
05...	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	.025	<.02	<.034
DEC												
03...	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.03	.053	<.02	<.034
JAN												
14...	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	.106	<.02	<.034
FEB												
10...	<.010	<.004	<.022	<.011	M	<.004	<.010	<.011	<.02	.070	<.02	<.034
MAR												
06...	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	.067	<.02	<.034
APR												
10...	<.010	<.004	<.022	<.011	.02	<.004	<.010	<.011	<.02	.166	<.02	<.034
MAY												
08...	<.010	<.004	E.017	<.011	E.01	<.004	<.010	<.011	<.02	.062	<.02	<.034
JUN												
13...	<.010	<.004	E.014	<.011	E.01	<.004	<.010	<.011	<.02	.033	<.02	<.034
JUL												
15...	<.010	<.004	<.022	<.011	M	<.004	<.010	<.011	<.02	.033	<.02	<.034
AUG												
04...	<.010	<.040	<.022	<.011	E.01	<.004	<.010	<.011	<.02	.025	<.02	<.034
SEP												
09...	<.010	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	.018	E.01	<.034

Date	Terbu-fos, water, fltrd 0.7u GF ug/L (82675)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)
OCT				
10...	<.02	<.005	<.002	<.009
NOV				
05...	<.02	<.005	<.002	<.009
DEC				
03...	<.02	<.005	<.002	<.009
JAN				
14...	<.02	<.005	<.002	<.009
FEB				
10...	<.02	<.005	<.002	<.009
MAR				
06...	<.02	<.005	<.002	<.009
APR				
10...	<.02	<.005	<.002	<.009
MAY				
08...	<.02	<.005	<.002	<.009
JUN				
13...	<.02	.012	<.002	<.009
JUL				
15...	<.02	<.005	<.002	<.009
AUG				
04...	<.02	<.005	<.002	<.009
SEP				
09...	<.02	<.005	<.002	<.009

Date	Time	Biomass peri-phyton, ashfree drymass g/m2 (49954)	Peri-phyton biomass ash weight, g/m2 (00572)	Peri-phyton biomass dry weight, g/m2 (00573)	Pheo-phytin a, peri-phyton, mg/m2 (62359)	Chloro-phyll a peri-phyton, chromo-fluoro, mg/m2 (70957)
AUG						
12...	1530	22.4	220	240.3	12	27.3

Remark codes:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

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 mi^2.

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 NGVD of 1929 (levels by U. S. Army Corps of Engineers). Prior to June 10, 1948, nonrecording gage, and June 10, 1948, to Nov. 2, 1967, recorder at site about 2,000 ft downstream at same datum.

REMARKS.--No estimated daily discharges. Records good. 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 ft^3/s,at site about 2,000 ft downstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 9	0000	11,600	19.56	Apr. 10	0030	13,800	20.02
Feb. 24	0930	*20,400	*21.14				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9470	926	366	3030	1840	8500	650	384	363	543	133	292
2	5990	661	342	5050	2160	9830	582	342	322	732	167	309
3	3730	517	324	4320	2190	7930	536	396	327	853	312	395
4	2450	897	672	4940	1730	5040	506	1020	475	839	807	472
5	2430	2180	1930	5970	1440	3560	526	1040	654	660	606	434
6	2400	5100	1990	4400	1720	3160	1090	689	616	512	543	371
7	2350	7790	1770	2970	3140	3740	3930	726	899	589	1030	645
8	2890	10400	2090	1470	3690	3500	9070	1060	1120	906	851	370
9	2850	10800	2490	820	3600	3450	11200	1050	1430	941	532	241
10	2120	7910	2430	682	5680	3680	12900	729	1590	633	372	206
11	1410	5360	1640	614	6560	3250	9240	1010	1070	555	282	186
12	988	3800	1010	549	4440	2040	5690	1700	1660	448	229	171
13	750	2400	1050	490	3360	1200	3690	1530	2430	454	206	163
14	598	1250	1350	452	2310	1270	2040	1490	2950	412	207	156
15	480	940	1300	425	1540	1280	882	1370	3500	351	240	150
16	398	955	1360	414	2450	1430	672	1370	3680	408	244	148
17	395	907	1280	439	2840	1380	579	1790	3520	381	214	142
18	424	870	994	447	2540	1220	517	2940	3240	297	198	133
19	359	775	824	439	2970	2080	468	3680	2550	251	180	126
20	358	646	1690	419	3280	2770	432	3510	1940	254	167	121
21	834	547	1740	411	4110	2560	406	3450	1250	226	162	118
22	856	478	1540	416	12500	2650	384	3520	808	200	175	285
23	838	433	1590	561	17500	2870	362	2960	587	185	184	625
24	716	401	2470	801	19900	2150	342	1440	474	173	175	455
25	538	378	4030	791	16500	1150	644	790	402	162	161	352
26	429	359	4420	608	11800	879	1020	669	353	151	155	252
27	375	378	4210	505	11200	902	1060	620	402	143	245	190
28	410	398	6690	462	10500	989	852	603	684	136	392	221
29	741	397	5750	620	---	961	586	538	756	130	273	171
30	967	386	3840	1700	---	835	454	435	651	127	268	145
31	1090	---	2450	1740	---	725	---	401	---	126	276	---
TOTAL	50634	69239	65632	46955	163490	86981	71310	43252	40703	12778	9986	8045
MEAN	1633	2308	2117	1515	5839	2806	2377	1395	1357	412	322	268
MAX	9470	10800	6690	5970	19900	9830	12900	3680	3680	941	1030	645
MIN	358	359	324	411	1440	725	342	342	322	126	133	118
CFSM	1.59	2.25	2.06	1.47	5.69	2.73	2.31	1.36	1.32	0.40	0.31	0.26
IN.	1.83	2.51	2.38	1.70	5.92	3.15	2.58	1.57	1.47	0.46	0.36	0.29

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2003, BY WATER YEAR (WY)

MEAN	376	875	2280	3204	2832	3300	2876	1692	863	409	219	272
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1971 - 2003	
ANNUAL TOTAL	612048		669005			
ANNUAL MEAN	1677		1833		1595	
HIGHEST ANNUAL MEAN					3821	1983
LOWEST ANNUAL MEAN					423	1986
HIGHEST DAILY MEAN	17800	Jan 27	19900	Feb 24	62400	May 21 1983
LOWEST DAILY MEAN	62	Sep 17	118	Sep 21	13	Aug 23 2000
ANNUAL SEVEN-DAY MINIMUM	65	Sep 13	134	Sep 15	14	Aug 19 2000
MAXIMUM PEAK FLOW			20400	Feb 24	71200	May 21 1983
MAXIMUM PEAK STAGE			21.14	Feb 24	26.08	May 21 1983
INSTANTANEOUS LOW FLOW			116	Sep 21	12	Aug 24 2000
ANNUAL RUNOFF (CFSM)	1.63		1.78		1.55	
ANNUAL RUNOFF (INCHES)	22.17		24.23		21.10	
10 PERCENT EXCEEDS	5080		4150		3990	
50 PERCENT EXCEEDS	455		807		396	
90 PERCENT EXCEEDS	123		206		67	

07289460 BIG BLACK RIVER NEAR GOODMAN, MS

LOCATION.--Lat 32°57'16", long 89°52'31", in SW1/4 sec.21, T.13 N., R.4 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08060201, on Highway 14, approximately 1.6 mi from its intersection with U.S. Highway 51.

DRAINAGE AREA.--1,338 mi^2.

PERIOD OF RECORD.--Occasional discharge measurements, water years 1957 to 1987. September 2001 to September 2003. (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 208.45 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 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5860	1310	504	4730	2370	12000	889	608	503	820	201	292
2	6600	1080	481	4920	2420	10100	809	517	452	762	135	295
3	6920	856	451	4600	2590	9160	738	458	395	948	137	617
4	6340	870	606	4580	2490	8390	690	525	386	1090	464	700
5	4460	3410	2360	4500	2110	7930	664	1070	526	1090	1030	518
6	3000	6050	2810	4790	2200	6690	1910	1070	759	917	863	419
7	2770	5400	2360	4750	4550	4850	8630	804	1190	715	833	354
8	2900	4920	2170	3670	4430	4180	9310	881	1240	813	1660	652
9	3000	5490	2450	2070	3930	3870	8410	1190	1370	1170	1100	398
10	2890	6470	2730	1500	4270	3650	7790	1130	1630	1170	721	197
11	2400	8450	2670	1280	4740	3700	8580	905	1650	857	501	144
12	1760	9560	1890	1150	5090	3230	9970	1670	2110	747	361	126
13	1280	8710	1600	1040	5020	2110	8990	1830	3110	615	303	115
14	1020	5100	2020	938	3970	1600	6930	1690	4700	591	295	109
15	838	2260	1910	867	2680	1580	2970	1750	5850	540	238	105
16	685	2170	1810	820	2960	1590	1350	1660	4970	461	235	100
17	577	1660	1830	808	3340	1670	1020	1750	3970	508	232	98
18	541	1380	1680	825	3110	1690	852	3110	3900	489	189	96
19	551	1250	1470	813	2920	3010	745	3880	3510	389	158	91
20	585	1100	1940	805	3200	3890	671	3870	2900	313	141	86
21	994	934	2470	776	7070	3000	619	3660	2170	307	126	93
22	1230	794	2220	759	11300	2680	573	3530	1540	267	120	134
23	1090	694	2100	754	12300	2710	521	3470	1090	222	120	348
24	1020	630	4510	940	14400	2710	526	2850	828	187	120	700
25	878	580	5710	1230	16200	2020	1770	1680	677	166	115	538
26	706	543	4710	1200	17300	1330	2120	1110	559	151	106	410
27	591	518	4360	993	16800	1160	1390	943	519	139	100	271
28	984	529	4220	860	14600	1150	1250	841	543	132	295	177
29	1560	533	4550	1030	---	1180	1000	792	850	125	483	159
30	1450	524	4890	2540	---	1120	751	697	943	127	284	146
31	1360	---	4620	2700	---	977	---	569	---	204	227	---
TOTAL	66840	83775	80102	63238	178360	114927	92438	50510	54840	17032	11893	8488
MEAN	2156	2792	2584	2040	6370	3707	3081	1629	1828	549	384	283
MAX	6920	9560	5710	4920	17300	12000	9970	3880	5850	1170	1660	700
MIN	541	518	451	754	2110	977	521	458	386	125	100	86
MED	1280	1280	2220	1150	4120	2710	1140	1130	1210	508	235	187

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2003, BY WATER YEAR (WY)

MEAN	1476	1794	5798	2987	4555	4127	3394	1014	1007	431	336	574
MAX	2156	2792	9011	3933	6370	4547	3707	1629	1828	549	384	864
(WY)	2003	2003	2002	2002	2003	2002	2002	2003	2003	2003	2003	2002
MIN	796	796	2584	2040	2739	3707	3081	398	186	313	289	283
(WY)	2002	2002	2003	2003	2002	2003	2003	2002	2002	2002	2002	2003

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2001 - 2003	
ANNUAL TOTAL	744033		822443			
ANNUAL MEAN	2038		2253		2279	
HIGHEST ANNUAL MEAN					2305	2002
LOWEST ANNUAL MEAN					2253	2003
HIGHEST DAILY MEAN	17700	Jan 28	17300	Feb 26	25800	Dec 17 2001
LOWEST DAILY MEAN	88	Sep 18	86	Sep 20	3.4	Sep 30 2001
ANNUAL SEVEN-DAY MINIMUM	91	Sep 15	96	Sep 15	3.6	Sep 24 2001
MAXIMUM PEAK FLOW			18700	Feb 27	26900	Dec 17 2001
MAXIMUM PEAK STAGE			22.74	Feb 27	23.67	Dec 17 2001
10 PERCENT EXCEEDS	6060		5090		6460	
50 PERCENT EXCEEDS	809		1130		862	
90 PERCENT EXCEEDS	129		203		137	

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 Bentonia, and at mile 106.

DRAINAGE AREA.--2,340 mi^2.

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 NGVD of 1929.

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 ft^3/s. Peak stage of 34.70 ft on May 23, 1930, 3.1 mi upstream at Ragan Station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 13,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Feb. 24	1600	29,700	27.90	Apr. 9	0900	*30,600	*27.99
Mar. 1	2200	27,000	27.59				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8470	7890	641	7830	4840	26300	1680	1610	867	949	563	724
2	7710	3830	617	7860	3950	26000	1460	1240	749	1020	556	597
3	6840	2120	593	7720	3150	21800	1310	1050	693	923	439	595
4	6840	1920	1100	7450	3120	17900	1190	937	635	1030	675	1180
5	6870	7030	3320	6980	3150	15400	1120	863	653	1130	792	1420
6	6900	9560	4580	6140	3800	13700	4270	1030	739	1400	929	1020
7	7680	9810	5030	5530	6810	12400	19100	2700	741	1540	1050	725
8	7020	9540	4130	5360	7520	11700	24800	2270	1190	1170	1150	596
9	5620	9470	3250	5150	7570	11100	30000	1640	1650	972	1830	529
10	4650	9520	3160	3850	7760	10200	24900	1450	1340	1060	1720	632
11	5070	9140	3460	2380	7570	8330	18600	1710	1420	1330	1140	538
12	4710	8360	3610	1750	6820	5890	15300	2530	3990	1270	830	411
13	3610	7620	3790	1480	6210	4930	12500	2160	6090	1090	748	348
14	2450	7580	3710	1310	5920	4320	11000	2360	7900	923	1000	315
15	1650	8300	3830	1180	6140	3490	10100	2210	8500	780	861	307
16	1260	9130	3350	1070	7510	2990	9570	2050	8340	718	617	297
17	995	9310	2710	989	6890	2520	9090	2430	8430	666	513	281
18	805	7810	2400	932	6140	2390	5190	3510	9180	612	452	263
19	670	3810	2290	909	4980	5150	2230	4600	9300	614	423	245
20	2330	2320	2400	903	4160	6770	1630	5080	8790	598	389	234
21	5620	1810	2790	883	9280	7320	1370	5340	6650	542	358	238
22	4920	1490	3210	864	15300	6980	1210	5130	3830	495	335	311
23	3610	1240	3090	832	20800	5650	1100	4550	2540	558	324	333
24	2240	1040	8160	808	28700	4220	1140	4090	1760	619	306	432
25	1550	904	9500	792	26900	3940	4780	3980	1310	481	294	490
26	1320	842	9430	926	22400	3570	6970	3760	1040	428	288	611
27	1410	787	8970	1120	23000	2710	7630	2620	883	395	411	536
28	6840	724	8760	1110	24100	2100	7960	2040	784	369	437	456
29	9010	679	8390	1450	---	1890	6620	1580	854	349	634	384
30	9310	659	6980	2930	---	1820	2770	1180	864	331	630	333
31	9130	---	6300	4390	---	1850	---	990	---	316	681	---
TOTAL	147110	154245	133551	92878	284490	255330	246590	78690	101712	24678	21375	15381
MEAN	4745	5142	4308	2996	10160	8236	8220	2538	3390	796	690	513
MAX	9310	9810	9500	7860	28700	26300	30000	5340	9300	1540	1830	1420
MIN	670	659	593	792	3120	1820	1100	863	635	316	288	234
CFSM	2.03	2.20	1.84	1.28	4.34	3.52	3.51	1.08	1.45	0.34	0.29	0.22
IN.	2.34	2.45	2.12	1.48	4.52	4.06	3.92	1.25	1.62	0.39	0.34	0.24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2003, BY WATER YEAR (WY)

MEAN	987	1387	4316	5934	6876	7039	5723	1984	2288	751	530	712
MAX	4745	5142	12530	10560	10210	11520	13970	5577	8282	1357	903	2044
(WY)	2003	2003	2002	1999	1997	2001	2000	1997	1997	1997	1997	2001
MIN	145	338	401	616	595	2414	1224	553	405	166	121	113
(WY)	2001	2000	2000	2000	2000	2000	1998	2002	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1996 - 2003	
ANNUAL TOTAL	1270638		1556030			
ANNUAL MEAN	3481		4263		3190	
HIGHEST ANNUAL MEAN					4263	2003
LOWEST ANNUAL MEAN					1664	2000
HIGHEST DAILY MEAN	17000	Feb 2	30000	Apr 9	47700	Apr 7 2000
LOWEST DAILY MEAN	103	Sep 20	234	Sep 20	80	Sep 6 2000
ANNUAL SEVEN-DAY MINIMUM	116	Sep 15	266	Sep 15	83	Sep 3 2000
MAXIMUM PEAK FLOW			30600	Apr 9	86000	May 23 1983
MAXIMUM PEAK STAGE			27.99	Apr 9	34.70	May 23 1930
INSTANTANEOUS LOW FLOW			225	Sep 21	79	Sep 6 2000
ANNUAL RUNOFF (CFSM)	1.49		1.82		1.36	
ANNUAL RUNOFF (INCHES)	20.20		24.74		18.53	
10 PERCENT EXCEEDS	9510		9300		9830	
50 PERCENT EXCEEDS	1410		2230		940	
90 PERCENT EXCEEDS	290		493		221	

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 mi^2 (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 NGVD of 1929 (levels by U. S. Army Corps of Engineers). Prior to Oct. 23, 1941, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: Jun. 3-4, 6-8, 15-17 and Jul. 16-20. 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 6	2200	12,200	27.79	Feb. 27	1100	36,600	37.51
Dec. 25	1100	13,700	29.26	Apr. 7	0500	*56,700	*39.14

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13000	11200	1450	9330	6570	32600	2140	4510	1350	1040	384	849
2	11700	10100	1430	9870	6520	32500	1990	2730	1190	1100	533	1250
3	10300	5960	1400	9950	5430	33200	1820	2200	e920	1200	819	1220
4	9530	3690	2050	9680	4610	32600	1700	1930	e886	1440	985	900
5	8250	9110	4030	9130	4500	29900	1610	1730	1120	1430	898	1370
6	7500	12100	4820	8490	5390	26600	6500	1580	e1370	1700	986	1590
7	8250	12100	5670	7570	10200	23400	45800	6370	e1270	1710	1240	1270
8	9060	11900	5700	6760	11000	20300	40900	4880	e992	1720	1330	937
9	8170	11800	4690	6470	11200	18200	45000	3090	1360	1450	1400	749
10	6600	11400	3820	6080	11400	16500	44100	2340	1780	1200	1920	655
11	6000	11100	3740	4600	11300	15300	40900	2090	1590	1320	1860	722
12	5750	10700	4000	3210	10700	13900	36100	2350	3560	1520	1450	693
13	5190	10100	4930	2660	9580	10800	29900	2810	8360	1460	1380	575
14	4000	9230	5410	2440	8530	7700	24600	2630	9510	1290	1100	468
15	2970	9010	4980	2310	8430	5790	20300	3030	e10600	1150	1300	401
16	2380	9710	4610	2210	11200	4350	17200	2700	e10900	e1070	1240	368
17	2060	10000	3940	2130	11200	3460	15200	3380	e10800	e992	973	351
18	1840	10100	3310	2070	10200	3030	13200	4580	10500	e944	700	332
19	1680	9170	3070	2040	8470	5040	9270	4730	10200	e886	602	317
20	3890	5160	3120	2030	6740	7260	4040	5490	10100	e835	571	300
21	9190	2910	3190	2050	12500	8550	2870	9730	9870	792	522	307
22	8490	2430	3470	2050	17300	8690	2400	9100	7940	768	431	700
23	6650	2170	3830	2040	17500	7890	2160	7290	4530	963	398	735
24	4370	1970	11400	2030	19300	6240	2180	5760	2720	769	361	497
25	2890	1810	13600	2040	25600	4610	3810	5400	2000	803	332	589
26	2570	1690	13200	2060	33200	4120	7070	7930	1590	665	310	652
27	2690	1630	12500	2140	35900	3690	8950	6110	1310	565	296	796
28	7040	1570	12000	2320	34200	2910	9600	4000	1110	514	613	752
29	11100	1510	11400	2650	---	2440	9810	2680	1000	471	782	647
30	11500	1470	10600	4980	---	2240	8460	2040	1020	434	880	551
31	11400	---	9440	5470	---	2180	---	1610	---	407	881	---
TOTAL	206010	212800	180800	138860	368670	395990	459580	126800	131448	32608	27477	21543
MEAN	6645	7093	5832	4479	13170	12770	15320	4090	4382	1052	886	718
MAX	13000	12100	13600	9950	35900	33200	45800	9730	10900	1720	1920	1590
MIN	1680	1470	1400	2030	4500	2180	1610	1580	886	407	296	300
CFSM	2.36	2.52	2.07	1.59	4.68	4.54	5.45	1.45	1.56	0.37	0.32	0.26
IN.	2.73	2.82	2.39	1.84	4.88	5.24	6.08	1.68	1.74	0.43	0.36	0.28

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936 - 2003, BY WATER YEAR (WY)

MEAN	798	1577	4264	6700	7763	8133	7454	4593	1816	1376	850	606
MAX	6645	11050	27400	24360	20700	19780	25100	23860	9311	13730	4059	3800
(WY)	2003	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1936 - 2003	
ANNUAL TOTAL	1649731		2302586			
ANNUAL MEAN	4520		6308		3830	
HIGHEST ANNUAL MEAN					10950	1983
LOWEST ANNUAL MEAN					792	1963
HIGHEST DAILY MEAN	17800	Feb 7	45800	Apr 7	90600	May 24 1983
LOWEST DAILY MEAN	205	Sep 19	296	Aug 27	67	Oct 1 1954
ANNUAL SEVEN-DAY MINIMUM	212	Sep 14	339	Sep 15	67	Sep 30 1954
MAXIMUM PEAK FLOW			56700	Apr 7	92300	May 24 1983
MAXIMUM PEAK STAGE			39.14	Apr 7	40.77	May 21 1983
INSTANTANEOUS LOW FLOW			292	Aug 27, Sept 21	65	Oct 2 1954
ANNUAL RUNOFF (CFSM)	1.61		2.24		1.36	
ANNUAL RUNOFF (INCHES)	21.82		30.46		18.51	
10 PERCENT EXCEEDS	12700		12300		10900	
50 PERCENT EXCEEDS	2020		3210		1140	
90 PERCENT EXCEEDS	414		713		201	

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 mi^2.

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 NGVD of 1929. Sept. 9, 1958, to May 31, 1961, crest-stage gage at same site and datum.

REMARKS.--Estimated daily discharges: Nov. 6-10. 17-21. 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 5	0800	16,000	18.00	Feb. 22	1745	*50,400	*25.75
Dec. 24	1530	19,900	19.94				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	560	618	189	3300	590	1350	291	162	144	148	155	102
2	364	405	166	1620	427	1120	273	153	139	137	135	101
3	1260	610	171	993	363	956	270	147	140	146	133	110
4	4410	4230	676	744	316	873	265	138	135	160	127	209
5	1790	12800	3020	624	272	1990	260	132	131	524	605	155
6	627	e2680	1240	547	604	7990	270	127	128	1650	264	115
7	1300	e2890	569	485	3110	2270	3280	120	172	470	222	99
8	1080	e1440	398	449	1250	1280	2340	118	180	260	180	92
9	431	e837	323	430	713	953	770	106	151	227	153	88
10	329	e563	314	545	2290	777	479	99	140	199	133	254
11	341	1740	342	510	1360	655	376	99	137	199	117	212
12	235	823	323	408	737	583	319	101	2470	541	114	121
13	189	665	1340	363	516	759	280	93	1650	326	119	121
14	147	410	1520	337	445	4130	254	99	840	352	130	175
15	123	722	705	318	907	1860	230	1800	636	259	187	131
16	107	805	458	307	5880	990	269	619	841	181	119	105
17	86	e456	387	286	3340	899	199	583	1220	160	105	88
18	75	e380	346	266	1450	1200	188	1870	2360	386	103	81
19	69	e310	596	253	876	4410	177	761	727	492	91	78
20	73	e250	1840	242	695	2060	171	371	365	244	89	74
21	104	e219	723	245	17900	971	165	309	253	177	230	84
22	87	217	456	244	43700	686	152	317	207	158	182	230
23	70	204	383	229	19500	567	144	219	189	343	103	208
24	61	190	13300	212	3960	504	895	193	159	253	86	124
25	61	181	4600	212	2390	456	3360	182	147	181	80	99
26	222	172	2000	218	1810	434	765	201	141	154	83	90
27	589	168	1270	206	2340	438	358	216	133	140	116	116
28	9700	165	989	200	1970	412	258	193	133	136	243	83
29	7270	152	839	324	---	383	211	171	151	132	115	74
30	3790	172	760	2310	---	290	179	163	184	128	132	71
31	1440	---	2140	1170	---	311	---	153	---	143	111	---
TOTAL	36990	35474	42383	18597	119711	42557	17448	10015	14403	9006	4762	3690
MEAN	1193	1182	1367	600	4275	1373	582	323	480	291	154	123
MAX	9700	12800	13300	3300	43700	7990	3360	1870	2470	1650	605	254
MIN	61	152	166	200	272	290	144	93	128	128	80	71
CFSM	1.82	1.81	2.09	0.92	6.54	2.10	0.89	0.49	0.73	0.44	0.23	0.19
IN.	2.10	2.02	2.41	1.06	6.81	2.42	0.99	0.57	0.82	0.51	0.27	0.21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2003, BY WATER YEAR (WY)

MEAN	271	513	1149	1584	1647	1788	1705	941	416	301	246	205
MAX	1885	2241	5324	6064	4833	5992	6776	3960	1524	1637	1755	2278
(WY)	1965	1987	1983	1990	1979	1980	1983	1978	1975	1989	1992	2002
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1961 - 2003	
ANNUAL TOTAL	351706		355036			
ANNUAL MEAN	964		973		892	
HIGHEST ANNUAL MEAN					2099	1983
LOWEST ANNUAL MEAN					191	2000
HIGHEST DAILY MEAN	41900	Sep 27	43700	Feb 22	72900	Apr 7 1983
LOWEST DAILY MEAN	51	Sep 16	61	Oct 24	17	Sep 5 2000
ANNUAL SEVEN-DAY MINIMUM	55	Sep 11	75	Oct 19	18	Sep 2 2000
MAXIMUM PEAK FLOW			50400	Feb 22	88000	Apr 7 1983
MAXIMUM PEAK STAGE			25.75	Feb 22	29.36	Apr 7 1983
ANNUAL RUNOFF (CFSM)	1.47		1.49		1.36	
ANNUAL RUNOFF (INCHES)	20.01		20.19		18.53	
10 PERCENT EXCEEDS	1900		1980		1750	
50 PERCENT EXCEEDS	282		270		200	
90 PERCENT EXCEEDS	76		105		58	

e Estimated

07291000 HOMOCHITTO RIVER AT EDDICETON, MS

LOCATION.--Lat 31°30'11", long 90°46'39", in SW1/4 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 mi^2.

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 NGVD of 1929. Prior to May 18, 1984, at datum 5.0 ft higher. Prior to May 26, 1942, nonrecording gage at site 900 ft upstream.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 9,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 28	0445	9,260	13.40	Feb. 22	0115	*34,800	*20.69

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	174	160	110	564	163	464	149	61	57	76	53	78
2	130	115	101	308	140	398	152	61	58	67	42	70
3	1960	446	101	225	129	354	158	59	64	72	38	109
4	1370	1560	276	186	120	357	166	57	59	61	142	108
5	372	4740	483	168	104	358	172	54	56	106	111	80
6	299	1230	172	152	201	944	181	52	62	106	74	63
7	273	446	130	139	475	437	1250	52	65	77	61	59
8	225	308	119	132	207	290	444	51	60	70	56	57
9	164	255	112	130	187	241	270	48	58	165	53	57
10	327	226	119	137	562	200	203	48	64	711	51	71
11	554	231	120	127	261	175	165	48	356	359	50	76
12	206	195	118	117	183	161	152	47	191	456	70	62
13	138	171	446	116	153	774	140	59	355	192	97	86
14	108	162	239	113	140	1180	126	64	607	139	79	102
15	93	161	156	109	2090	399	127	89	441	99	59	73
16	81	152	134	107	2390	256	120	66	351	81	56	62
17	70	142	125	103	668	331	115	286	125	225	55	59
18	60	136	118	99	479	292	107	335	100	324	54	58
19	55	133	142	97	406	767	101	115	83	252	57	57
20	55	131	219	98	369	381	99	79	72	129	53	57
21	49	127	142	99	18400	234	95	69	70	86	52	62
22	46	121	124	95	13300	196	87	69	89	69	53	153
23	42	114	118	89	1700	176	81	63	68	76	52	92
24	39	112	1020	85	1040	162	84	60	58	62	51	56
25	60	111	365	85	772	156	98	59	54	50	54	49
26	424	109	206	90	641	165	80	75	50	47	58	47
27	823	108	174	89	717	178	73	76	61	44	52	46
28	4390	103	156	87	559	167	69	63	75	42	67	43
29	2370	102	148	151	---	156	66	58	72	60	59	40
30	672	113	154	605	---	146	63	57	82	41	58	40
31	263	---	697	219	---	144	---	56	---	53	62	---
TOTAL	15892	12220	6844	4921	46556	10639	5193	2436	3963	4397	1929	2072
MEAN	513	407	221	159	1663	343	173	78.6	132	142	62.2	69.1
MAX	4390	4740	1020	605	18400	1180	1250	335	607	711	142	153
MIN	39	102	101	85	104	144	63	47	50	41	38	40
CFSM	2.83	2.25	1.22	0.88	9.19	1.90	0.96	0.43	0.73	0.78	0.34	0.38
IN.	3.27	2.51	1.41	1.01	9.57	2.19	1.07	0.50	0.81	0.90	0.40	0.43

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2003, BY WATER YEAR (WY)

MEAN	98.6	154	310	426	505	534	459	270	135	138	96.9	88.1
MAX	765	742	1428	1398	1663	1722	1981	1818	534	1036	557	611
(WY)	1965	1958	1983	1990	2003	2001	1974	1953	1975	1989	1992	2002
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1939 - 2003	
ANNUAL TOTAL	101485		117062			
ANNUAL MEAN	278		321		267	
HIGHEST ANNUAL MEAN					587	1983
LOWEST ANNUAL MEAN					55.5	2000
HIGHEST DAILY MEAN	11500	Sep 26	18400	Feb 21	34600	Apr 13 1974
LOWEST DAILY MEAN	38	Sep 16	38	Aug 3	11	Jun 1 1989
ANNUAL SEVEN-DAY MINIMUM	39	Sep 11	46	Sep 24	13	May 29 1989
MAXIMUM PEAK FLOW			34800	Feb 22	55400	Apr 13 1974
MAXIMUM PEAK STAGE			20.69	Feb 22	24.53	Apr 13 1974
ANNUAL RUNOFF (CFSM)	1.54		1.77		1.47	
ANNUAL RUNOFF (INCHES)	20.86		24.06		20.02	
10 PERCENT EXCEEDS	444		468		435	
50 PERCENT EXCEEDS	112		113		83	
90 PERCENT EXCEEDS	47		54		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 mi^2.

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 NGVD of 1929. June 16 to Nov. 12, 1906, nonrecording gage at present site, at different datum, December 1976 to April 1978, near right bank on downstream side of Illinois Central and Gulf Railroad bridge, 800 ft upstream and nonrecording gage read twice daily at present site, all at same datum.

REMARKS.--Estimated daily discharges: Nov. 6-10 and Aug. 2-6. 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 29	1530	27,800	15.78	Feb. 16	0100	21,800	14.72
Nov. 5	1630	26,800	15.62	Feb. 22	0115	*96,400	*22.75

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	692	1770	594	3930	915	1790	601	396	360	510	357	372
2	584	1290	527	1710	769	1500	592	396	369	462	e335	375
3	3970	1370	528	1140	717	1310	595	392	418	433	e345	405
4	6130	9250	1220	950	684	1320	600	389	404	541	e348	457
5	1580	17700	4240	825	625	1250	598	385	377	865	e325	376
6	1250	e6200	1550	768	1500	2210	607	382	364	1200	e320	336
7	1210	e3610	911	710	3600	1670	1300	385	380	556	310	319
8	857	e2260	740	693	1540	1210	1290	384	403	521	341	314
9	598	e1760	661	685	1070	1070	783	376	370	436	317	310
10	579	e1560	660	691	2440	961	655	367	360	1360	308	308
11	2210	1420	661	672	1740	878	607	366	408	945	302	307
12	892	1210	590	614	1100	833	576	373	649	2560	314	311
13	551	988	2150	598	950	2360	555	373	856	804	425	359
14	427	897	1870	589	881	5490	534	429	904	661	418	484
15	369	878	952	578	4360	1800	516	421	916	524	354	332
16	334	844	758	563	9770	1240	507	432	2970	463	318	275
17	302	740	692	543	3140	1210	497	403	892	487	308	258
18	279	681	652	531	1970	1210	481	1440	598	1160	306	252
19	265	662	754	528	1510	2570	470	690	523	671	300	250
20	288	660	1350	534	1310	1740	466	472	492	924	300	249
21	283	644	908	547	48200	1080	462	421	505	581	298	252
22	259	601	728	545	56100	906	449	405	735	499	316	285
23	247	570	693	517	8420	832	435	396	512	1660	332	338
24	236	556	4200	500	4280	778	433	382	469	1010	316	298
25	519	552	3030	503	3030	728	453	377	529	503	300	270
26	2980	545	1350	535	2540	717	452	390	450	426	300	261
27	3950	526	976	544	3300	740	424	462	414	405	315	263
28	10400	515	825	518	2220	699	413	437	462	384	297	261
29	14400	505	741	746	---	729	405	389	484	383	330	250
30	5000	539	699	3820	---	638	399	374	473	371	332	248
31	2660	---	2550	1540	---	609	---	367	---	349	325	---
TOTAL	64301	61303	38760	28167	168681	42078	17155	13651	18046	22654	10112	9375
MEAN	2074	2043	1250	909	6024	1357	572	440	602	731	326	312
MAX	14400	17700	4240	3930	56100	5490	1300	1440	2970	2560	425	484
MIN	236	505	527	500	625	609	399	366	360	349	297	248
CFSM	2.64	2.60	1.59	1.15	7.65	1.72	0.73	0.56	0.76	0.93	0.41	0.40
IN.	3.04	2.90	1.83	1.33	7.97	1.99	0.81	0.65	0.85	1.07	0.48	0.44

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2003, BY WATER YEAR (WY)

MEAN	581	739	1322	1782	2043	2007	1903	1206	728	622	488	500
MAX	3855	3010	5344	6205	6024	6206	8806	7650	3184	3753	1716	2131
(WY)	1965	1958	1962	1990	2003	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1952 - 2003	
ANNUAL TOTAL	446115		494283			
ANNUAL MEAN	1222		1354		1156	
HIGHEST ANNUAL MEAN					2342	1983
LOWEST ANNUAL MEAN					344	2000
HIGHEST DAILY MEAN	19300	Sep 26	56100	Feb 22	118000	Apr 13 1974
LOWEST DAILY MEAN	236	Oct 24	236	Oct 24	123	Oct 5 2000
ANNUAL SEVEN-DAY MINIMUM	263	Sep 11	260	Sep 16	129	Sep 1 2000
MAXIMUM PEAK FLOW			96400	Feb 22	150000	Apr 13 1974
MAXIMUM PEAK STAGE			22.75	Feb 22	36.03	May 4 1953
ANNUAL RUNOFF (CFSM)	1.55		1.72		1.47	
ANNUAL RUNOFF (INCHES)	21.09		23.36		19.95	
10 PERCENT EXCEEDS	2560		2240		2070	
50 PERCENT EXCEEDS	598		563		474	
90 PERCENT EXCEEDS	291		311		230	

e Estimated

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 mi^2.

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 NGVD of 1929. Prior to June 1, 1942, nonrecording gage at same site. Prior to Oct. 1, 1964, at datum 3.00 ft higher.

REMARKS.--Estimated daily discharges: Nov. 15-25 and Dec. 20, 25-31. 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 11,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height ft)
Nov. 5	1245	15,100	15.03	Feb. 15	1945	11,100	13.64
Feb. 6	1800	11,200	13.66	Feb. 22	0130	*29,700	*18.41

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	220	106	1050	235	291	121	66	46	68	52	60
2	56	179	97	447	189	255	118	65	47	61	54	54
3	729	272	112	289	167	230	117	64	57	65	52	43
4	274	3710	1540	218	147	263	115	63	50	281	50	41
5	109	5310	1190	189	128	278	114	62	47	1220	49	38
6	126	1090	275	175	2780	352	112	61	49	351	50	36
7	100	509	191	163	1280	227	113	61	49	129	48	35
8	83	358	158	154	507	197	130	60	47	117	46	35
9	69	289	140	150	390	186	113	59	46	100	45	35
10	71	249	140	147	642	171	106	58	45	85	45	34
11	70	424	148	141	304	161	101	57	45	94	44	33
12	65	228	142	136	224	157	98	59	70	84	61	38
13	60	182	1120	132	187	2130	94	62	114	78	65	76
14	56	171	277	128	168	935	91	66	111	107	50	77
15	54	e172	182	123	2590	311	88	61	100	71	44	50
16	51	e179	153	119	1440	245	86	59	82	64	42	46
17	50	e161	137	115	525	294	84	55	61	62	40	44
18	49	e149	127	112	349	282	82	61	63	170	40	43
19	49	e138	309	109	271	700	80	55	55	320	39	43
20	52	e129	e231	107	249	243	80	53	70	109	38	42
21	52	e121	162	105	17000	191	79	53	74	80	44	45
22	50	e114	138	102	8900	174	77	52	80	70	65	58
23	49	e108	129	99	855	163	74	50	56	135	46	51
24	48	e106	2250	97	491	154	74	49	51	121	39	45
25	1430	e104	e680	95	371	148	76	48	475	74	37	43
26	1300	103	e430	94	532	169	72	50	206	64	36	42
27	2580	102	e240	96	1200	165	69	50	78	62	36	42
28	3290	99	e166	96	354	143	68	49	68	58	38	41
29	2930	96	e126	475	---	136	67	47	63	56	41	40
30	650	106	e113	1530	---	129	66	47	60	54	37	39
31	318	---	e1120	365	---	123	---	46	---	53	40	---
TOTAL	14930	15178	12329	7358	42475	9603	2765	1748	2465	4463	1413	1349
MEAN	482	506	398	237	1517	310	92.2	56.4	82.2	144	45.6	45.0
MAX	3290	5310	2250	1530	17000	2130	130	66	475	1220	65	77
MIN	48	96	97	94	128	123	66	46	45	53	36	33
CFSM	2.68	2.81	2.21	1.32	8.43	1.72	0.51	0.31	0.46	0.80	0.25	0.25
IN.	3.09	3.14	2.55	1.52	8.78	1.98	0.57	0.36	0.51	0.92	0.29	0.28

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2003, BY WATER YEAR (WY)

MEAN	124	188	341	473	534	564	444	264	173	150	94.4	121
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1942 - 2003	
ANNUAL TOTAL	100168		116076			
ANNUAL MEAN	274		318		289	
HIGHEST ANNUAL MEAN					552	1983
LOWEST ANNUAL MEAN					70.6	2000
HIGHEST DAILY MEAN	7580	Mar 26	17000	Feb 21	30700	Mar 25 1973
LOWEST DAILY MEAN	34	Sep 19	33	Sep 11	9.0	Oct 26 1993
ANNUAL SEVEN-DAY MINIMUM	37	Sep 15	35	Sep 5	17	Aug 31 2000
MAXIMUM PEAK FLOW			29700	Feb 22	65000	Mar 25 1973
MAXIMUM PEAK STAGE			18.41	Feb 22	22.30	Mar 25 1973
ANNUAL RUNOFF (CFSM)	1.52		1.77		1.60	
ANNUAL RUNOFF (INCHES)	20.70		23.99		21.79	
10 PERCENT EXCEEDS	485		481		479	
50 PERCENT EXCEEDS	104		99		86	
90 PERCENT EXCEEDS	47		45		36	

e Estimated

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 mi^2.

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 NGVD of 1929.

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

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 4	0745	5,860	14.99	Feb. 22	2030	*8,830	*15.86
Oct. 30	1015	3,540	13.99	Jun. 16	1215	4,420	14.44
Nov. 6	0615	4,470	14.46	Jul. 6	0700	3,840	14.17

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	245	681	169	629	245	312	162	153	138	1830	167	147
2	216	315	165	483	198	257	162	155	147	563	350	141
3	1860	236	166	313	183	225	163	152	298	472	209	143
4	4820	1260	219	230	180	223	163	151	191	359	181	150
5	1950	3330	509	207	174	216	163	147	160	1040	168	162
6	1030	3760	473	196	455	217	165	145	149	2790	160	145
7	562	1580	292	188	2160	210	171	145	173	542	153	138
8	342	590	216	180	1100	201	629	144	168	319	151	135
9	263	334	196	179	560	198	349	142	151	435	147	133
10	241	255	205	178	575	192	209	141	145	268	147	131
11	219	370	201	174	417	184	189	140	149	216	145	130
12	218	380	190	171	306	185	179	143	146	393	143	129
13	210	276	347	168	232	375	175	144	256	281	177	141
14	191	213	330	166	207	484	169	156	1140	212	153	155
15	176	199	282	166	322	341	167	163	1100	182	146	139
16	169	195	220	164	1800	261	164	161	3470	169	142	133
17	164	184	200	165	906	264	162	151	623	163	139	127
18	160	177	190	162	473	239	161	174	326	171	136	125
19	158	179	188	161	292	734	159	162	265	160	136	124
20	158	191	202	162	229	633	159	158	219	156	141	125
21	158	206	213	163	1760	375	175	179	1020	149	145	130
22	158	183	200	164	6840	242	166	182	512	144	173	176
23	157	176	196	164	6150	207	162	157	289	1170	150	165
24	158	171	1460	162	2400	193	167	145	220	2350	141	144
25	266	170	940	154	530	184	214	140	188	495	137	138
26	2310	169	515	159	427	182	183	186	171	287	137	134
27	1290	168	306	165	687	181	168	249	213	224	133	132
28	1870	165	232	163	385	176	160	172	309	196	131	131
29	1490	159	207	164	---	173	157	153	245	191	130	128
30	3220	165	197	235	---	168	154	145	280	171	142	124
31	2600	---	381	340	---	163	---	140	---	163	155	---
TOTAL	27029	16437	9807	6475	30193	8195	5726	4875	12861	16261	4865	4155
MEAN	872	548	316	209	1078	264	191	157	429	525	157	138
MAX	4820	3760	1460	629	6840	734	629	249	3470	2790	350	176
MIN	157	159	165	154	174	163	154	140	138	144	130	124
MED	241	203	213	166	441	216	165	152	219	268	146	135
CFSM	5.52	3.47	2.00	1.32	6.82	1.67	1.21	1.00	2.71	3.32	0.99	0.88
IN.	6.36	3.87	2.31	1.52	7.11	1.93	1.35	1.15	3.03	3.83	1.15	0.98

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2003, BY WATER YEAR (WY)

MEAN	218	199	206	402	453	435	371	129	218	214	200	262
MAX	872	548	430	1044	1078	932	1355	185	429	525	532	923
(WY)	2003	2003	1998	1998	2003	2001	1997	1997	2003	2003	2002	2002
MIN	66.8	81.0	101	103	87.9	105	106	69.5	72.4	65.4	69.2	79.3
(WY)	2001	2000	2000	2000	2000	2000	1999	2001	2000	2000	2000	1999

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1997 - 2003	
ANNUAL TOTAL	163335		146879			
ANNUAL MEAN	447		402		274	
HIGHEST ANNUAL MEAN					402	2003
LOWEST ANNUAL MEAN					90.7	2000
HIGHEST DAILY MEAN	13500	Sep 27	6840	Feb 22	23300	Apr 28 1997
LOWEST DAILY MEAN	68	Sep 19	124	Sep 19	55	May 31 2000
ANNUAL SEVEN-DAY MINIMUM	71	Sep 14	129	Sep 15	55	May 29 2000
MAXIMUM PEAK FLOW			8830	Feb 22	31000	Apr 28 1997
MAXIMUM PEAK STAGE			15.86	Feb 22	18.66	Apr 28 1997
INSTANTANEOUS LOW FLOW			120	Sep 30	50	Jun 9 2000
ANNUAL RUNOFF (CFSM)	2.83		2.55		1.74	
ANNUAL RUNOFF (INCHES)	38.46		34.58		23.58	
10 PERCENT EXCEEDS	835		652		414	
50 PERCENT EXCEEDS	186		181		129	
90 PERCENT EXCEEDS	99		142		78	

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 mi^2.

PERIOD OF RECORD.--March 1949 to September 1950 (annual maximum), October 1950 to current year.

GAGE.--Water-stage recorder. Satellite telemetry and rain gage at station. Datum of gage is 145.81 ft above NGVD of 1929. Jan. 13, 1951, to May 28, 1963, water-stage recorder at former channel 700 ft to the left; and July 30, 1963, to Feb. 12, 1964, nonrecording gage at present site. Prior to Oct. 1, 1963, at datum 2.99 ft higher.

REMARKS.--Records not available at this time. Records may be found in the "Water Resources Data, Louisiana, Water Year 2003" (WDR LA-03-1).

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 33°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.--1,930 mi^2, 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 NGVD of 1929 (levels by U. S. Army Corps of Engineers). Prior to Oct. 10, 1939, nonrecording gage at site 1,500 ft upstream at same datum. Oct. 10, 1939 to Oct. 16, 1948, nonrecording gage at present site and datum. Water-stage recorder for station at Aberdeen (station 02437500),20 mi downstream, was used as an auxiliary gage for this station 1950-58.

REMARKS.--Records good. Some regulation by Tennessee-Tombigbee Waterway. National Weather Service telemeter at station.

AVERAGE DISCHARGE.--47 years, (water year 1937-84) 3,156 ft^3/s, 22.22 in/yr, prior to construction of Tennessee-Tombigbee Waterway.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 162,000 ft^3/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, 40,800 ft^3/s, May 6, gage height, 25.99 ft.

Flood hydrograph partial-record stations--continued

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, 2003 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
02 21	1000	16.31	8980	04 06	2100	12.23	2750	05 05	1800	12.03	2530
02 21	1400	17.80	12100	04 06	2300	14.05	5130	05 05	2000	12.37	2910
02 21	1800	18.27	13200	04 07	0100	18.65	14100	05 06	0000	15.30	7130
02 21	2000	18.25	13100	04 07	0300	20.37	18500	05 06	0200	18.91	14700
02 22	0000	18.37	13400	04 07	0500	21.61	22300	05 06	0400	20.59	19100
02 22	0300	20.52	18900	04 07	0700	22.68	26000	05 06	0600	21.82	23000
02 22	0500	21.53	22000	04 07	0800	23.11	27600	05 06	0700	22.36	24900
02 22	0600	21.98	23500	04 07	0900	23.53	29300	05 06	0800	22.89	26800
02 22	0700	22.39	25000	04 07	1000	23.83	30500	05 06	0900	23.44	28900
02 22	0800	22.78	26400	04 07	1030	23.97	31100	05 06	1000	23.86	30600
02 22	0930	23.31	28400	04 07	1100	24.08	31600	05 06	1100	24.26	32400
02 22	1030	23.61	29600	04 07	1130	24.17	32000	05 06	1200	24.65	34200
02 22	1115	23.82	30500	04 07	1200	24.24	32300	05 06	1300	24.95	35700
02 22	1200	24.00	31200	04 07	1230	24.27	32400	05 06	1400	25.26	37200
02 22	1230	24.11	31700	04 07	1300	24.32	32700	05 06	1445	25.43	38000
02 22	1315	24.25	32300	04 07	1315	24.31	32600	05 06	1515	25.56	38700
02 22	1345	24.32	32700	04 07	1330	24.32	32700	05 06	1600	25.67	39200
02 22	1415	24.38	33000	04 07	1345	24.33	32700	05 06	1630	25.76	39700
02 22	1445	24.43	33200	04 07	1400	24.34	32800	05 06	1715	25.84	40100
02 22	1500	24.46	33300	04 07	1415	24.32	32700	05 06	1745	25.87	40200
02 22	1515	24.45	33300	04 07	1430	24.34	32800	05 06	1815	25.92	40500
02 22	1530	24.46	33300	04 07	1445	24.32	32700	05 06	1845	25.93	40500
02 22	1545	24.49	33500	04 07	1500	24.30	32600	05 06	1900	25.97	40700
02 22	1600	24.47	33400	04 07	1515	24.28	32500	05 06	1915	25.99	40800
02 22	1615	24.49	33500	04 07	1530	24.27	32400	05 06	1930	25.97	40700
02 22	1630	24.49	33500	04 07	1600	24.22	32200	05 06	1945	25.96	40700
02 22	1645	24.49	33500	04 07	1630	24.16	31900	05 06	2000	25.96	40700
02 22	1700	24.47	33400	04 07	1700	24.06	31500	05 06	2015	25.92	40500
02 22	1715	24.48	33400	04 07	1800	23.89	30700	05 06	2030	25.98	40800
02 22	1730	24.46	33300	04 07	1900	23.63	29700	05 06	2045	25.93	40500
02 22	1745	24.47	33400	04 07	2000	23.41	28800	05 06	2115	25.91	40400
02 22	1800	24.46	33300	04 07	2100	23.09	27500	05 06	2145	25.83	40000
02 22	1815	24.45	33300	04 07	2200	22.77	26300	05 06	2230	25.72	39500
02 22	1830	24.43	33200	04 07	2300	22.45	25200	05 06	2315	25.62	39000
02 22	1900	24.38	33000	04 08	0100	21.75	22700	05 07	0000	25.49	38300
02 22	2000	24.28	32500	04 08	0400	20.58	19100	05 07	0200	24.99	35900
02 22	2100	24.16	31900	04 08	0800	19.03	15000	05 07	0400	24.42	33100
02 22	2200	23.97	31100	04 08	1200	17.71	11900	05 07	0600	23.91	30800
02 22	2300	23.76	30200	04 08	1600	16.87	10100	05 07	0800	23.45	29000
02 23	0000	23.55	29400	04 08	2000	16.33	9020	05 07	1200	23.00	27200
02 23	0200	23.07	27500	04 09	0000	16.58	9520	05 07	1600	23.14	27700
02 23	0400	22.58	25700	04 09	0800	16.01	8410	05 07	2000	23.67	29800
02 23	0600	22.12	24000	04 09	1600	15.91	8220	05 08	0000	23.78	30300
02 23	0800	21.64	22400	04 10	0000	16.22	8810	05 08	0600	22.94	27000
02 23	1000	21.13	20700	04 10	1200	15.90	8200	05 08	1200	21.65	22400
02 23	1400	20.24	18200	04 11	0000	15.88	8170	05 08	1800	20.23	18100
02 23	1800	19.59	16500	04 11	1200	14.31	5520	05 09	0000	19.12	15300
02 23	2000	19.36	15900					05 09	1200	17.50	11400
02 24	0000	19.14	15300					05 10	0000	16.62	9600
02 24	0600	19.29	15700					05 10	1200	15.81	8040
02 24	1200	19.79	17000								
02 24	1800	19.93	17400								
02 25	0000	19.61	16500								
02 25	0600	19.10	15200								
02 25	1200	18.46	13600								
02 25	1800	18.37	13400								
02 26	0000	18.18	13000								
02 26	1200	17.55	11600								

Flood hydrograph partial-record stations--Continued

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 S., 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 mi^2.

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. (discontinued)

REVISED RECORDS.--WSP 1504: 1929-30. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 154.07 ft above NGVD of 1929 (levels by U. S. Army Corps of Engineers). Aug. 7, 1928 to Aug. 31, 1930, nonrecording gage at site 560 ft downstream at present datum. Nov. 5 to Dec. 6, 1939, nonrecording gage at present site and datum.

REMARKS.--Records fair. U.S. Army Corps of Engineers radio telemeter at station.

AVERAGE DISCHARGE.--43 years (water years 1929-30, 1940-80), 1,343 ft^3/s, 19.70 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 81,600 ft^3/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 19,600 ft^3/s, May 8, gage height 25.18 ft.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 2003 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
02 21	1500	15.89	3620	04 07	0000	11.79	1690	05 06	1000	12.71	2050
02 21	2000	16.87	4220	04 07	0600	16.37	3910	05 06	1800	13.89	2570
02 22	0200	19.70	6220	04 07	1200	17.46	4600	05 07	0000	15.14	3210
02 22	0600	21.12	7380	04 07	1800	18.79	5530	05 07	0800	16.32	3880
02 22	1000	21.94	8230	04 08	0000	20.20	6620	05 07	1200	17.39	4550
02 22	1400	22.54	9470	04 08	0400	21.35	7570	05 07	1600	18.93	5630
02 22	1800	23.13	11000	04 08	0800	22.27	8870	05 07	2000	20.43	6810
02 22	2200	23.72	13100	04 08	1200	22.95	10500	05 08	0000	21.80	8060
02 23	0000	24.04	14400	04 08	1600	23.39	11900	05 08	0200	22.40	9160
02 23	0200	24.36	15800	04 08	2000	23.81	13500	05 08	0400	22.87	10300
02 23	0400	24.61	16900	04 08	2200	23.96	14100	05 08	0600	23.27	11500
02 23	0600	24.83	17900	04 09	0000	24.05	14500	05 08	0800	23.91	13900
02 23	0800	24.96	18500	04 09	0200	24.16	14900	05 08	1000	24.44	16100
02 23	1000	25.05	18900	04 09	0400	24.28	15400	05 08	1200	24.76	17600
02 23	1100	25.04	18900	04 09	0500	24.32	15600	05 08	1400	25.00	18700
02 23	1200	25.07	19000	04 09	0600	24.34	15700	05 08	1600	25.11	19200
02 23	1300	25.06	19000	04 09	0700	24.40	15900	05 08	1700	25.16	19500
02 23	1400	25.07	19000	04 09	0800	24.43	16100	05 08	1800	25.17	19500
02 23	1500	25.07	19000	04 09	0900	24.39	15900	05 08	1900	25.18	19600
02 23	1600	25.04	18900	04 09	1000	24.43	16100	05 08	2000	25.16	19500
02 23	1700	25.04	18900	04 09	1100	24.43	16100	05 08	2100	25.13	19300
02 23	1800	24.97	18600	04 09	1200	24.41	16000	05 08	2200	25.17	19500
02 23	2000	24.92	18300	04 09	1300	24.44	16100	05 08	2300	25.12	19300
02 23	2200	24.83	17900	04 09	1400	24.42	16000	05 09	0000	25.09	19100
02 24	0000	24.76	17600	04 09	1600	24.37	15800	05 09	0200	25.04	18900
02 24	0400	24.57	16700	04 09	1800	24.23	15200	05 09	0600	24.87	18100
02 24	0800	24.36	15800	04 09	2000	24.19	15000	05 09	1000	24.70	17300
02 24	1200	24.15	14900	04 09	2200	24.07	14500	05 09	1400	24.51	16400
02 24	1600	23.93	14000	04 10	0000	23.95	14100	05 09	1800	24.37	15800
02 24	2000	23.67	13000	04 10	0400	23.68	13000	05 09	2200	24.19	15000
02 25	0400	23.18	11200	04 10	0800	23.39	11900	05 10	0600	23.81	13500
02 25	0800	22.83	10200	04 10	1200	23.01	10600	05 10	1200	23.44	12100
02 25	1200	22.47	9310	04 10	1600	22.58	9570	05 10	1800	23.05	10800
02 25	1600	22.00	8300	04 10	2000	22.11	8530	05 11	0000	22.49	9360
02 25	2000	21.43	7640	04 11	0000	21.47	7670	05 11	1000	21.38	7600
02 26	0000	20.79	7100	04 11	0500	20.53	6890	05 11	2000	19.90	6380
02 26	0500	19.84	6330	04 11	1000	19.49	6060	05 12	1200	17.04	4320
02 26	1000	18.82	5550	04 11	1500	18.38	5230	05 13	1200	13.74	2500
02 26	1500	17.79	4820	04 11	2000	17.08	4350				
02 26	2000	16.79	4170	04 12	0800	13.55	2420				
				04 12	1600	10.65	1250				

Flood hydrograph partial-record stations--Continued

JOURDAN RIVER BASIN

02481660 JOURDAN RIVER NEAR BAY ST. LOUIS, MS

LOCATION.--Lat 30°23'13", long 89°26'20", SE1/4 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, MS, about 10 mi north of Bay St. Louis, MS, and about 10.6 mi upstream of the Gulf of Mexico.

DRAINAGE AREA.--210 mi^2.

PERIOD OF RECORD.--February 1999 to current year.

GAGE.--Water-stage recorder and acoustic velocity meter. Datum of gage is NAVD 1988.

REMARKS.--Records fair.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 9-10, 1995, discharge 37,000 ft^3/s, May 10, 1995, gage height 12.48 ft.

EXTREMES FOR 2002 WATER YEAR.--Maximum discharge 20,800 ft^3/s, Oct. 3, gage height 6.86 ft.

GAGE-HEIGHT, IN FEET, AND DISCHARGE IN CUBIC FEET PER SECOND, AT INDICATED TIME, 2003 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
10-02	1200	2.92	9,390	06-30	0400	2.10	6,770
10-02	1600	2.41	7,760	06-30	0800	2.96	9,510
10-02	2000	2.40	7,730	06-30	1200	3.31	10,600
10-03	0000	3.38	10,800	06-30	1300	3.61	11,500
10-03	0100	3.68	11,700	06-30	1400	3.84	12,200
10-03	0200	3.99	12,700	06-30	1500	4.06	12,900
10-03	0300	4.27	13,500	06-30	1600	4.39	13,900
10-03	0400	4.54	14,300	06-30	1700	4.78	15,000
10-03	0500	4.82	15,100	06-30	1800	5.24	16,300
10-03	0600	5.09	15,900	06-30	1900	5.41	16,800
10-03	0700	5.38	16,700	06-30	1930	5.47	17,000
10-03	0800	5.71	17,600	06-30	2000	5.56	17,200
10-03	0900	6.05	18,600	06-30	2015	5.64	17,400
10-03	0930	6.23	19,100	06-30	2030	5.72	17,700
10-03	1000	6.39	19,500	06-30	2045	5.79	17,900
10-03	1030	6.58	20,000	06-30	2100	5.81	17,900
10-03	1100	6.71	20,400	06-30	2115	5.82	17,900
10-03	1115	6.76	20,500	06-30	2130	5.82	17,900
10-03	1130	6.81	20,700	06-30	2145	5.80	17,900
10-03	1145	6.84	20,700	06-30	2200	5.78	17,800
10-03	1200	6.86	20,800	06-30	2215	5.77	17,800
10-03	1215	6.86	20,800	06-30	2230	5.73	17,700
10-03	1230	6.82	20,700	06-30	2245	5.72	17,700
10-03	1245	6.78	20,600	06-30	2300	5.65	17,500
10-03	1300	6.73	20,400	06-30	2330	5.58	17,300
10-03	1330	6.61	20,100	07-01	0000	5.51	17,100
10-03	1400	6.45	19,700	07-01	0100	5.33	16,600
10-03	1430	6.33	19,300	07-01	0200	5.18	16,200
10-03	1500	6.20	19,000	07-01	0300	5.02	15,700
10-03	1600	5.92	18,200	07-01	0400	4.88	15,300
10-03	1700	5.56	17,200	07-01	0600	4.56	14,400
10-03	1800	5.22	16,300	07-01	0800	4.47	14,100
10-03	1900	4.90	15,400	07-01	1000	4.38	13,800
10-03	2000	4.54	14,300	07-01	1200	4.63	14,600
10-04	0000	3.46	11,000	07-01	1300	4.91	15,400
10-04	0400	2.98	9,580	07-01	1400	5.02	15,700
10-04	0800	2.69	8,650	07-01	1500	5.12	16,000
10-04	1200	2.88	9,260	07-01	1600	5.20	16,200
				07-01	1700	5.37	16,700
				07-01	1800	5.38	16,700
				07-01	1900	5.36	16,700
				07-01	2000	5.32	16,500
				07-01	0000	5.10	15,900
				07-02	0400	4.68	14,700
				07-02	0800	4.25	13,400
				07-02	1200	3.78	12,000
				07-02	1600	3.60	11,500

Flood hydrograph partial-record stations--Continued

PEARL RIVER BASIN

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.--5.20 mi^2, revised. (Incluldes 1.28 mi^2 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 NGVD of 1929, supplementary adjustment of 1941. A continuous recorder was previously located 1,600 ft downstream from the present site at datum 0.74 ft lower than the present and was in operation from July 1954 to August 1959. A crest-stage gage was also in operation from November 1953 through February 1959, located 1,700 ft downstream from the present site.

REMARKS.--Records fair. Occasional backwater from Pearl River.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,200 ft^3/s, Apr. 29, 1953, gage height, 12.20 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,390 ft^3/s, April 7, gage height 12.49 ft.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 2003 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
04-06	2230	9.93	1,380	06-12	1000	4.12	83	08-07	0000	4.11	82
04-06	2245	9.43	1,210	06-12	1015	5.28	225	08-07	0015	4.20	91
04-06	2300	9.05	1,090	06-12	1030	6.95	536	08-07	0030	6.00	344
04-06	2315	9.62	1,280	06-12	1045	8.56	948	08-07	0045	8.66	977
04-06	2330	10.56	1,610	06-12	1100	9.20	1,140	08-07	0100	9.84	1,350
04-06	2345	11.50	1,970	06-12	1115	8.87	1,040	08-07	0115	9.49	1,230
04-07	0000	11.99	2,170	06-12	1130	8.39	900	08-07	0130	8.19	844
04-07	0015	11.98	2,170	06-12	1145	7.83	748	08-07	0145	6.96	538
04-07	0030	12.00	2,170	06-12	1200	7.18	588	08-07	0200	5.93	332
04-07	0045	12.38	2,340	06-12	1215	6.59	459	08-07	0215	5.23	218
04-07	0100	12.49	2,390	06-12	1230	6.13	368	08-07	0230	4.72	148
04-07	0115	12.33	2,320	06-12	1245	5.79	307	08-07	0245	4.38	109
04-07	0130	11.96	2,160	06-12	1300	5.49	257	08-07	0300	4.10	81
04-07	0145	11.49	1,960	06-12	1315	5.21	215				
04-07	0200	10.98	1,760	06-12	1330	4.93	175				
04-07	0215	10.40	1,550	06-12	1345	4.68	144				
04-07	0230	9.49	1,230	06-12	1400	4.45	117				
04-07	0245	8.26	863	06-12	1415	4.24	95				
04-07	0300	7.79	738	06-12	1430	4.06	77				
04-07	0315	7.66	705								
04-07	0330	7.31	619								
04-07	0345	7.09	568								

Flood hydrograph partial-record stations--Continued

PEARL RIVER BASIN--Continued

02485950 TOWN CREEK AT JACKSON, MS

LOCATION.--Lat 32°18'15", long 90°11'34", in NW1/4 SW1/4 sec.3, T.5 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, at bridge on Gallatin street in Jackson, 300 ft upstream of Illinois Central Railroad and 2.5 mi upstream from mouth.

DRAINAGE AREA.--11.4 mi^2.

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 NGVD of 1929. 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, 7,480 ft^3/s, April 7, 2003, maximum gage height, 18.39 ft, April 7, 2003.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of 1921, maximum discharge, 6,000 ft^3/s, gage height, 19.00 ft (but may have been at different datum).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,480 ft^3/s, April 7, gage height, 18.39 ft.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 2003 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
04-24	1900	5.94	304	05-20	1915	4.33	106	07-02	1830	5.83	287
12-24	0000	4.16	638	02-21	0000	4.01	595	04-06	1945	3.79	533
12-24	0015	6.43	1,390	02-21	0015	4.12	627	04-06	2000	7.81	1,930
12-24	0030	7.78	1,920	02-21	0030	4.26	668	04-06	2015	10.48	3,110
12-24	0045	8.40	2,180	02-21	0045	4.20	650	04-06	2030	12.04	3,880
12-24	0100	8.49	2,220	02-21	0100	4.44	722	04-06	2045	13.38	4,580
12-24	0115	8.19	2,090	02-21	0115	4.51	743	04-06	2100	13.93	4,870
12-24	0130	8.25	2,120	02-21	0130	4.45	725	04-06	2115	14.18	5,010
12-24	0145	8.68	2,300	02-21	0145	4.66	789	04-06	2130	13.94	4,880
12-24	0200	8.88	2,390	02-21	0200	4.89	862	04-06	2145	14.22	5,030
12-24	0215	9.25	2,550	02-21	0215	5.01	900	04-06	2200	14.37	5,110
12-24	0230	9.30	2,570	02-21	0230	5.09	926	04-06	2215	14.31	5,080
12-24	0245	9.26	2,550	02-21	0245	5.20	962	04-06	2230	14.01	4,920
12-24	0300	9.27	2,560	02-21	0300	5.60	1,100	04-06	2245	13.90	4,860
12-24	0315	9.09	2,480	02-21	0315	6.06	1,260	04-06	2300	13.58	4,680
12-24	0330	8.64	2,280	02-21	0330	6.66	1,480	04-06	2315	13.84	4,820
12-24	0345	8.55	2,240	02-21	0345	7.33	1,740	04-06	2330	14.27	5,060
12-24	0400	8.32	2,140	02-21	0400	7.85	1,950	04-06	2345	15.36	5,670
12-24	0415	8.00	2,010	02-21	0415	8.12	2,060	04-07	0000	16.14	6,120
12-24	0430	7.80	1,930	02-21	0430	8.34	2,150	04-07	0015	16.42	6,280
12-24	0445	7.38	1,760	02-21	0445	8.33	2,150	04-07	0030	16.60	6,390
12-24	0500	6.98	1,600	02-21	0500	8.53	2,230	04-07	0045	17.38	6,860
12-24	0515	6.66	1,480	02-21	0515	8.70	2,310	04-07	0100	17.80	7,110
12-24	0530	6.38	1,380	02-21	0530	8.67	2,290	04-07	0115	18.04	7,260
12-24	0545	6.16	1,300	02-21	0545	8.86	2,380	04-07	0130	18.25	7,390
12-24	0600	5.89	1,200	02-21	0600	8.96	2,420	04-07	0145	18.32	7,430
12-24	0615	5.59	1,090	02-21	0615	8.88	2,390	04-07	0200	18.39	7,480
12-24	0630	5.45	1,050	02-21	0630	8.92	2,400	04-07	0215	18.32	7,430
12-24	0645	5.13	939	02-21	0645	8.86	2,380	04-07	0230	18.14	7,320
12-24	0700	4.90	865	02-21	0700	8.66	2,290	04-07	0245	17.86	7,150
12-24	0715	4.66	789	02-21	0715	8.43	2,190	04-07	0300	17.38	6,860
12-24	0730	4.46	728	02-21	0730	8.00	2,010	04-07	0315	16.60	6,390
12-24	0745	4.16	638	02-21	0745	7.60	1,850	04-07	0330	15.40	5,690
12-24	0800	3.98	587	02-21	0800	7.27	1,720	04-07	0345	14.17	5,000
12-24	0815	3.85	550	02-21	0815	6.89	1,570	04-07	0400	13.05	4,400
12-24	0830	3.63	490	02-21	0830	6.66	1,480	04-07	0415	12.75	4,250
12-24	0845	3.47	447	02-21	0845	6.38	1,380	04-07	0430	12.84	4,290
12-24	0900	3.36	419	02-21	0900	6.02	1,240	04-07	0445	13.16	4,460
12-24	0915	3.21	381	02-21	0915	5.86	1,190	04-07	0500	13.23	4,500
12-24	0930	3.05	342	02-21	0930	5.69	1,130	04-07	0515	13.21	4,490
				02-21	0945	5.46	1,050	04-07	0530	12.98	4,370
				02-21	1000	5.19	959	04-07	0545	12.45	4,090
				02-21	1015	5.01	900	04-07	0600	11.67	3,690
				02-21	1030	4.65	786	04-07	0615	10.68	3,210
				02-21	1045	4.46	728	04-07	0630	9.74	2,770
				02-21	1100	4.08	615	04-07	0645	9.03	2,450
				02-21	1115	4.02	598	04-07	0700	8.50	2,220
				02-21	1130	3.81	539	04-07	0715	8.08	2,040
				02-21	1145	3.68	503	04-07	0730	7.80	1,930
				02-21	1200	3.52	461	04-07	0745	7.62	1,860
				02-21	1215	3.41	432	04-07	0800	7.36	1,750
				02-21	1230	3.27	396	04-07	0815	7.26	1,710
				02-21	1245	3.20	379	04-07	0830	7.15	1,670
				02-21	1300	3.12	359	04-07	0845	6.98	1,560

Flood hydrograph partial-record stations--Continued

PEARL RIVER BASIN--Continued

02486100 LYNCH CREEK AT JACKSON, MS

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.--12.1 mi^2 (11.1 mi^2 at U.S. Highway 80, furnished by City of Jackson plus 0.9 mi^2 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 NGVD of 1929.

REMARKS.--Records poor. Occasional backwater from Pearl River.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,470 ft^3/s, Apr. 7, 2003, gage height, 18.85 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 29, 1953, maximum discharge, 7,500 ft^3/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, 7,470 ft^3/s, Apr. 7, 2003 , gage height 18.85 ft (from flood mark).

GAGE-HEIGHT, IN FEET, AND DISCHARGE IN CUBIC FEET PER SECOND, AT INDICATED TIME, 2003 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
04-24	1900	5.94	304	05-20	1915	4.33	106	07-02	1830	5.83	287
04-24	1915	6.32	369	05-20	1930	9.06	1,060	07-02	1845	9.74	1,300
04-24	1930	7.26	561	05-20	1945	10.96	1,800	07-02	1900	12.78	2,720
04-24	1945	7.91	721	05-20	2000	11.30	1,950	07-02	1915	14.67	3,910
04-24	2000	8.28	823	05-20	2015	10.67	1,670	07-02	1930	15.19	4,280
04-24	2015	8.18	794	05-20	2030	9.84	1,340	07-02	1945	15.14	4,250
04-24	2030	8.01	748	05-20	2045	9.00	1,040	07-02	2000	14.88	4,060
04-24	2045	7.95	732	05-20	2100	8.28	823	07-02	2015	14.50	3,790
04-24	2100	8.13	780	05-20	2115	7.60	642	07-02	2030	13.87	3,380
04-24	2115	8.19	797	05-20	2130	7.08	521	07-02	2045	13.09	2,900
04-24	2130	9.19	1,110	05-20	2145	6.70	441	07-02	2100	12.30	2,450
04-24	2145	11.70	2,150	05-20	2200	6.31	367	07-02	2115	11.47	2,030
04-24	2200	12.98	2,830	05-20	2215	5.98	311	07-02	2130	10.57	1,630
04-24	2215	13.38	3,070	05-20	2230	5.73	272	07-02	2145	9.70	1,290
04-24	2230	13.16	2,940	05-20	2245	5.49	237	07-02	2200	8.90	1,010
04-24	2245	12.33	2,470	05-20	2300	5.28	209	07-02	2215	8.22	806
04-24	2300	11.74	2,170	05-20	2315	5.13	190	07-02	2230	7.66	657
04-24	2315	10.96	1,800	05-20	2330	4.96	169	07-02	2245	7.22	552
04-24	2330	10.35	1,540	05-20	2345	4.85	157	07-02	2300	6.83	467
04-24	2345	9.83	1,330					07-02	2315	6.52	406
04-25	0000	9.56	1,230					07-02	2330	6.25	357
04-25	0015	8.85	994					07-02	2345	6.02	317
04-25	0030	8.43	866					07-03	0000	5.81	284
04-25	0045	8.11	775					07-03	0015	5.68	264
04-25	0100	7.78	687								
04-25	0115	7.46	608								
04-25	0130	7.20	547								
04-25	0145	7.09	523								
04-25	0200	6.84	470								
04-25	0215	6.74	449								
04-25	0230	6.57	416								
04-25	0245	6.30	366								
04-25	0300	6.10	331								
04-25	0315	5.96	308								

Flood hydrograph partial-record stations--Continued

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 mi^2.

PERIOD OF RECORD.--Occasional discharge measurements, annual maximums, water years 1961-77. November 1993 to current year (high water records only).

GAGE.--Water-stage recorder. Datum of gage is 255.00 ft above NGVD of 1929. 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, 10,700 ft^3/s, Apr. 7, 2003, gage height, 15.04 ft present datum, minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,700 ft^3/s, Apr. 7, gage height 15.04 ft.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 2003 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
12-24	0000	4.53	164	03-05	1615	4.52	163	04-06	1915	4.09	109
12-24	0015	5.69	364	03-05	1630	5.42	310	04-06	1930	4.04	104
12-24	0030	7.62	885	03-05	1645	7.31	786	04-06	1945	4.30	134
12-24	0045	9.20	1,500	03-05	1700	9.06	1,430	04-06	2000	6.50	554
12-24	0100	10.18	2,160	03-05	1715	10.02	2,020	04-06	2015	8.93	1,370
12-24	0115	10.66	2,630	03-05	1730	10.33	2,300	04-06	2030	10.77	2,750
12-24	0130	11.01	3,010	03-05	1745	10.50	2,470	04-06	2045	12.09	4,450
12-24	0145	11.13	3,150	03-05	1800	10.62	2,590	04-06	2100	13.08	6,150
12-24	0200	11.40	3,490	03-05	1815	10.60	2,570	04-06	2115	13.58	7,110
12-24	0215	11.60	3,750	03-05	1830	10.53	2,500	04-06	2130	13.92	7,830
12-24	0230	11.67	3,850	03-05	1845	10.15	2,130	04-06	2145	14.24	8,570
12-24	0245	11.71	3,900	03-05	1900	9.79	1,860	04-06	2200	14.48	9,180
12-24	0300	11.63	3,790	03-05	1915	9.24	1,530	04-06	2215	14.58	9,430
12-24	0315	11.37	3,450	03-05	1930	8.60	1,240	04-06	2230	14.60	9,490
12-24	0330	11.26	3,310	03-05	1945	7.97	1,000	04-06	2245	14.40	8,970
12-24	0345	10.84	2,820	03-05	2000	7.57	869	04-06	2300	14.10	8,240
12-24	0400	10.33	2,300	03-05	2015	7.15	737	04-06	2315	13.97	7,930
12-24	0415	9.83	1,880	03-05	2030	6.84	647	04-06	2330	13.90	7,780
12-24	0430	9.32	1,570	03-05	2045	6.59	578	04-06	2345	14.20	8,480
12-24	0445	8.86	1,340	03-05	2100	6.40	529	04-07	0000	14.50	9,230
12-24	0500	8.37	1,150	03-05	2115	6.28	499	04-07	0015	14.72	9,810
12-24	0515	7.99	1,010	03-05	2130	6.15	467	04-07	0030	14.71	9,780
12-24	0530	7.59	875	03-05	2145	6.04	441	04-07	0045	14.93	10,400
12-24	0545	7.24	765	03-05	2200	5.93	416	04-07	0100	15.01	10,600
12-24	0600	6.93	672	03-05	2215	5.84	396	04-07	0115	15.04	10,700
12-24	0615	6.69	605	03-05	2230	5.76	379	04-07	0130	15.00	10,600
12-24	0630	6.54	565	03-05	2245	5.69	364	04-07	0145	14.98	10,500
12-24	0645	6.34	513	03-05	2300	5.60	346	04-07	0200	14.68	9,700
12-24	0700	6.16	469	03-05	2315	5.53	332	04-07	0215	14.34	8,820
12-24	0715	5.95	421	03-05	2330	5.48	322	04-07	0230	13.60	7,150
12-24	0730	5.78	383	03-05	2345	5.39	304	04-07	0245	12.60	5,280
12-24	0745	5.60	346					04-07	0300	11.40	3,490
12-24	0800	5.46	318					04-07	0315	10.15	2,130
12-24	0815	5.35	297					04-07	0330	9.00	1,400
12-24	0830	5.22	273					04-07	0345	8.27	1,110
12-24	0845	5.15	261					04-07	0400	7.98	1,010
12-24	0900	5.07	247					04-07	0415	8.03	1,020
12-24	0915	4.97	230					04-07	0430	8.46	1,180
12-24	0930	4.90	219					04-07	0445	8.83	1,330
12-24	0945	4.83	208					04-07	0500	9.02	1,410
12-24	1000	4.75	196					04-07	0515	9.12	1,460
								04-07	0530	9.06	1,430
								04-07	0545	8.89	1,350
								04-07	0600	8.59	1,230
								04-07	0615	8.22	1,090
								04-07	0630	7.87	969
								04-07	0645	7.49	843
								04-07	0700	7.19	750

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 2003 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
MOBILE RIVER BASIN								
Bull Mountain Creek near Tilden, MS (02432920)	Lat 34°10′48″, long 88°18′47″ in NW1/4 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. Datum of gage is 290 ft. above NGVD of 1929. Drainage area is 274 mi^2.	1992-1997g, 2001-2003	05-07-03	19.39	6,840	04-04-01	21.90	23,300
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. Datum of gage is 243.84 ft. above NGVD of 1929. Drainage area is 111 mi^2.	1944-46‡, 1952-70‡, 1971-2003	08-06-03	20.10	9,100	03-21-55	27.72	23,000
Coonewah Creek at Shannon, MS (02435800)	Lat 34°08′21″, long 88°43′09″, in NE1/4 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. Datum of gage is 229.67 ft. above NGVD 0f 1929. Drainage area is 53.1 mi^2.	1953-2003	09-26-02 05-05-03	df16.40 f16.00	df7,500 f6,500	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. Datum of gage is 227.50 ft. above NVGD of 1929. Drainage area is 145 mi^2.	1952-67‡, 1968-2003	05-05-03	(b)	(†)	03-21-55	15.72	35,500
Mattubby Creek near Aberdeen, MS (02437300)	Lat 33°52′13″, long 88°35′46″, in SW1/4 SW1/4 sec.8, T.14 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, at bridge on U.S. Highway 45, 1.5 mi above Wolf River, and 4.1 mi northwest of Aberdeen. Datum of gage is 112.25 ft. above NGVD of 1929. Drainage area is 92.2 mi^2.	1952-2003	04-07-03	93.44	9,860	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 NW1/4 SW1/4 sec.29, T.13 S.,R.17 W., Huntsville Meridian, Monroe County, HydrologicUnit 03160101, at culvert onU.S. Highway 278, 1.0 mi southeast of Quincy. Datum of gage is 330 ft. above NGVD of 1929. Drainage area is 0.54 mi^2.	1967-2003	02-23-03	5.52	110	10-30-93	9.70	630
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. Datum of gage is 182.00 ft. above NGVD of 1929 Drainage area is 28.4 mi^2.	1964-68‡, 1969-2003	04-07-03	23.05	3,660	10-22-84	15.21	6,970
Chuguatonchee Creek near Okalona, MS (02439980)	Lat 34°00′08″, long 88°52′52″, in SW1/4 SE1/4 sec.28, T.12 S., R.4 E., Chickasaw Meridian, Chickasaw County, Hydrologic Unit 03160104, at bridge on State Highway 32, 7.5 mi west of Okolona. Datum of gage is 285 ft. above NGVD of 1929. Drainage area is 68.5 mi^2.	1963-68, 1969-80, 1984-86, 1988-2002	05-07-03	<8.20	<1,740	03-16-73	16.93	15,000

Crest-stage partial-record stations--Continued

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2003 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
			MOBILE RIVER BASIN--Continued					
Chuquatonchee Creek near Egypt, MS (02440000)	Lat 33°50'24", long 88°45'42", in NW1/4NE1/4 sec.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. Datum of gage is 221.07 ft. NGVD of 1929. Drainage area is 167 mi^2.	1952-73‡ 1974-2003	05-07-03	14.28	12,200	03-16-73	16.61	36,300
Houlka Creek near McCondy MS (02440400)	Lat 33°47'07", long 88°51'17", 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. Datum of gage is 225 ft. above NGVD of 1929. Drainage area is 189 mi^2.	1963-68‡ 1969-2003	04-08-03	15.09	11,500	03-16-73	18.65	40,000
Line Creek near Maben, MS (02440600)	Lat 33°39'17", long 89°03'40", in SE1/4 SW1/4 sec.26, T.16 S., R.2 E., Chickasaw Meridian, Webster County, Hydrologic Unit 03160104, at bridge on State Highway 15, 1,000 ft below Gulf, Mobile, and Ohio Railroad, and 7.0 mi north of Maben. Datum of gage is 228.46 ft. above NGVD of 1929. Drainage area is 4.76 mi^2.	1952-2003	04-07-03	20.25	2,540	12-03-83	28.33	7,540
Trim Cane Creek near Starkville, MS (02440800)	Lat 33°28'09", long 88°54'29", in SE1/4 NW1/4 sec.35, T.19 N., R.13 E., Choctaw Meridian, Oktibbeha County, Hydrologic Unit 03160104, at bridge on U.S. Highway 82, 3.0 mi above Biba Wila Creek, and 6.0 mi west of Starkville. Datum of gage is 214.24 ft above NGVD of 1929. Drainage area is 44.9 mi^2.	1952-2003	02-22-03	22.26	3,790	05-19-83	28.10	9,980
Sand Creek tributary, near Mayhew, MS (02441220)	Lat 33°28'38", long 88°43'23", in NW1/4 NE1/4 sec. 27, T.19 N., R.15 E., Choctaw Meridian, Oktibbeha County, Hydrologic Unit 03160104, on U.S. Highway 82, 3.7 mi west of Hayhew. Datum of gage is 250 ft above NGVD of 1929. Drainage area is 0.44 mi^2.	1966-2003	04-06-03	6.44	230	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.16 E., Chowtaw Meridian, Lowndes County, Hydrologic Unit 03160104, at bridge on U.S. Highway 82, 0.5 mi east of Mayhew. Datum of gage is 173.02 ft. above NGVD of 1929. Drainage area is 98.0 mi^2.	1963-68‡, 1969-2003	02-22-03	17.60	7,680	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.28, T.17 S., R.17 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160105, on county highway 0.2 mi southeast of Steens. Datum of gage is 179.45 ft. above NGVD of 1929. Drainage area is 309 mi^2.	1944-47‡, 1950-77‡, 1978-2003	02-23-03	17.85	9,610	01-06-49	19.20	16,000
Flat Scooba Creek tributary near Scooba, MS (02448620)	Lat 32°50'26", long 88°28'07", in SE1/4 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. Datum of gage is 195.06 ft. above NGVD of 1929. Drainage area is 0.44 mi^2.	1967-2003	04-25-03	4.01	117	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 NW1/4 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. Datum of gage is 274.94 ft. above NGVD of 1929. Drainage area is 143 mi^2.	1940-43c, 1957-2003	02-02-03	25.88	10,800	04-13-74	28.17	17,000

Crest-stage partial-record stations--Continued

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2003 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
		PASCAGOULA RIVER BASIN--Continued						
Leaf River near Taylorsville, MS (02471250)	Lat 31°49'41", long 89°24'26", in SE1/4 SW1/4 SE1/4 sec.16, T.10 N., R.14 W., St. Stephens Meridian, Smith County, Hydrologic Unit 03170004, on State Highway 28, 1.0 mi east of Taylorsville. Datum of gage is 200.00 ft. above NGVD of 1929. Drainage area is 459 mi^2.	1968-2003	02-23-03	53.90	22,800	04-14-74	57.44	37,600
Oakohay Creek at Mize, MS (02471500)	Lat 31°52'50", long 89°32'51", in SE1/4 NW1/4 sec.6, T.10 N., R.15 W., St. Stephens Meridian, Smith County, Hydrologic Unit 03170004, on State Highway 28, at Mize. Datum of gage is 274.18 ft. above NGVD of 1929. Drainage area is 171 mi^2.	1943-49‡, 1968-2003	02-23-03	15.01	11,800	04-13-74	17.26	28,900
Bouie Creek near Sandford, MS (02472420)	Lat 31°28'19", long 89°31'18", in SE1/4 SE1/4 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. Datum of gage is 190.00 ft. above NGVD of 1929. Drainage area is 262 mi^2.	1968-2003	02-24-03	23.15	7,700	04-13-74	32.22	a32,000
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 Datum of gage is 145.00 ft. above NGVD of 1929. Drainage area is 8.83 mi^2.	1969-2003	07-01-03	11.19	3,400	04-06-83	16.89	6,920
Tallahattah Creek near Waldrup, MS (02473480)	Lat 31°51'42", long 89°05'12", in SW1/4 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. Datum of gage is 265.25 ft. above NGVD of 1929. Drainage area is 30.4 mi^2.	1965-70‡, 1971-2003	02-22-03	15.26	2,420	03-03-79	17.20	7,200
Tallahoma Creek tributary at Lake Como, MS (02473850)	Lat 31°57'43", long 89°12'19", in SW1/4 SE1/4 SE1/4 sec. 31, T.2 N., R.11 E., Choctaw Meridian, Jasper County, Hydrologic Unit 03170005, at culvert on State Highway 528, 0.5 mi east of Lake Como. Datum of gage is 310 ft. above NGVD of 1929. Drainage area is 3.16 mi^2.	1966-2003	02-22-03	6.96	250	07-13-93	11.49	2,380
Buck Creek near Runnelstown, MS (02474650)	Lat 31°21'49", long 89°03'07", in NW1/4 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. Datum of gage is 128.00 ft. above NGVD of 1929. Drainage area is 20.8 mi^2.	1951-2003	06-30-03	8.13	1,940	04-03-79	17.93	5,700
Thompson Creek at Richton, MS (02474800)	Lat 31°21'20", long 88°55'27", in NW1/4 SW1/4 NW1/4 sec. 32, T.5 N., R.9 W., St. Stephens Meridian, Perry County, Hydrologic Unit03170005, at downstream side of bridge on State Highway 42, 0.7 mi east of Richton. Datum of gage is 130.00 ft above NGVD of 1929. Drainage area is 183 mi^2.	1998-2003	07-01-03	16.25	9,060	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. Datum of gage is 100 ft above NGVD of 1929. Drainage area is 0.65 mi^2.	1955-2003	06-30-03	7.30	315	06-01-59	11.71	764

Crest-stage partial-record stations--Continued

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2003 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
PASCAGOULA RIVER BASIN--Continued								
Souinlovey Creek near Baxter, MS (02477050)	Lat 32°13'10", long 89°09'30", in NW1/4 SW1/4 sec.1, T.4 N., R.11 E., Choctaw Meridian, Jasper County, Hydrologic Unit 03170002, at culvert on State Highway 15, 2.6 mi north of Baxter. Datum of gage is 420 ft above NGVD of 1929. Drainage area is 1.14 mi^2.	1965-2003	10-28-02	11.78	930	06-24-93	13.56	1,150
Shubuta Creek near Shubuta, MS (02477330)	Lat 31°53'07", long 88°44'21", in SW1/4 SW1/4 NW1/4 sec.35, T.1 N., R.15 E., Choctaw Meridian, Clarke County, Hydrologic Unit 03170002, at bridge or culvert on county highway, 1.5 mi northwest of Shubuta and 5.0 mi above mouth. Datum of gage is 181.97 ft above NGVD of 1929. Drainage area is 75.5 mi^2.	1963-2003	02-27-03	17.66	2,760	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 NW1/4 SE1/4 sec.20, T.6 S., R.9 W., St. Stephens Meridian, Harrison County, Hdrologic Unit 03170009, at bridge on State Highway 15, 7.0 mi north of city limits of Biloxi. Datum of gage is 2.91 ft. above NGVD of 1929. Drainage area is 92.4 mi^2.	1952-71‡, 1972-2003	06-30-03	20.76	8,800	09-29-98	26.06	20,300
Tchoutacabouffa River at D'Iberville, MS (02480599)	Lat 30°27'35", long 88°53'53", in SW1/4 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. Datum of gage is 0.00 ft. above NGVD of 1929. Drainage area is 217 mi^2.	1998-2003	07-01-03	12.67	26,800	09-29-98	16.56	48,000
BILOXI RIVER BASIN								
Saucier Creek near Saucier, MS (02481045)	Lat 30°36'13", long 89°05'39", in SE1/4 SW1/4 sec.16, T.5 S., R.11W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, at bridge on county road, 3.2 mi southeast of Saucier. Datum of gage is 35.00 ft. above NGVD of 1929. Drainage area is 36.9 mi^2.	1998-2003	06-30-03	25.62	6,800	09-29-98	28.90	f16,000
Biloxi River near Lyman, MS (02481130)	Lat 30°29'17", long 89°01'59", in SW1/4 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. Datum of gage is -3.00 ft. above NGVD of 1929. Drainage area is 251 mi^2.	1965-2003	07-01-03	19.60	17,600	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 SW1/4 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. Datum of gage is 160.55 ft. above NGVD of 1929. Drainage area is 72.6 mi^2.	1952-71, 1998-2003	06-30-03	30.29	6,700	12-10-61	32.87	12,800
JOURDAN RIVER BASIN								
Catahoula Creek near Picayune, MS (02481542)	Lat 30°31'00", long 89°32'01", in SE1/4 SW1/4 sec.18, 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. Datum of gage is 50.00 ft. above MDOT elevation. Drainage area is 32.1 mi^2.	1998-2003	07-01-03	14.39	1,730	03-03-01	17.02	4,590
Hickory Creek near Kiln, MS (02481550)	Lat 30°30'22", long 89°29'26", in NE1/4 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. Datum is 35.00 ft. above MDOT elevation. Drainage area is 60.9 mi^2.	1998-2003	07-01-03	19.55	6,440	01-07-98	23.25	13,200

Crest-stage partial-record stations--Continued

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2003 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
			PEARL RIVER BASIN					
Lobutcha Creek at Renfroe, MS (02482470)	Lat 32°51'45", long 89°26'30", in NE1/4 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 Renfroe. Datum is 354.18 ft. above NGVD of 1929. Drainage area is 248 mi^2.	1999-2003	02-24-03	24.19	11,700	04-05-01	25.14	18,600
Yockanookany River tributary near McCool, MS (02483890)	Lat 33°10'06", long 89°25'29", in SW1/4 SW1/4 sec.12, T.15 N., R.8 E., Choctaw Meridian, Attala County, Hydrologic Unit 03180001, at culvert on State Highway 12, 4.0 mi southwest of McCool. Datum of gage is 430 ft. above NGVD of 1929. Drainage area is 0.34 mi^2.	1965-2003	04-07-03	3.96	130	02-20-91	7.73	540
Coffee Bogue at Ludlow, MS (02484600)	Lat 32°34'24", long 89°43'48", in NE1/4 NE1/4 sec.1, T.8 N., R.5 E., Choctaw Meridian, Scott County, Hydrologic Unit 03180001, at bridge on county road, 1.0 mi west of Ludlow. Datum of gage is 310.76 ft. above NGVD of 1929. Drainage area is 77.0 mi^2.	1975-2003	04-07-03	19.28	17,400	04-07-03	19.28	17,400
Red Cane Creek tributary near Pisgah, MS (02484750)	Lat 32°28'03", long 89°47'55", in NE1/4 NE1/4 sec.8, T.7 N., R.5 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, at circular culvert on Highway 43, 4.1 mi east of Pisgah. Datum is 340 ft. above NGVD of 1929. Drainage area is 0.10 mi^2.	1965-2003	04-07-03	6.79	123	07-14-93	7.81	155
Fannegusha Creek near Sand Hill, MS (02484760)	Lat 32°30'21", long 89°48'46", in NW1/4 SW1/4 sec.29, T.7 N., R.5 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, at bridge on county road, 3.9 mi east of Sand Hill. Datum is 304.53 ft. above NGVD of 1929. Drainage area is 52.3 mi^2.	1971-2003	04-07-03	14.91	17,200	04-07-03	14.91	17,200
Purple Creek at Jackson, MS (02485650)	Lat 32°22'44", long 90°07'16", in SE1/4 NW 1/4 sec.8, T.6 N., R.2 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, at Old Canton Road bridge in Jackson and 1.5 mi above mouth. Datum is 265.30 ft. above NGVD of 1929. Drainage area is 6.12 mi^2.	1952-2003	04-07-03	13.41	1,950	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. Datum is 273.42 ft. above NGVD of 1929. Drainage area is 1.05 mi^2.	1962-2003	04-07-03	8.58	559	08-30-74	31.52	1,720
Strong River near Puckett, MS (02487300)	Lat 32°03'49", long 89°44'49", in NE1/4 SE1/4 SE1/4 sec.26, T.3 N., R.5 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, at bridge or culvert on State Highway 18, 2.0 mi southeastof Puckett. Datum is 295.53 ft. above NGVD of 1929. Drainage area is 248 mi^2.	1955-2003	02-23-03	26.80	20,600	02-23-03	26.47	20,600
Dabbs Creek near Johns, MS (02487512)	Lat 32°09'24", long 89°53'23", in NW1/4 NE1/4 SE1/4 sec.28, T.4 N., R.4 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, at bridge onState Highway 18, 3.5 mi northwest of Johns. Datum of gage is 355 ft. above NGVD of 1929. Drainage area is 7.33 mi^2.	1998-2003	02-22-03	24.58	970	02-22-03	24.58	970
Copiah Creek near Hazlehurst, MS (02487900)	Lat 31°53'23", long 90°17'10", in SW1/4 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. Datum of gage is 283.42 ft. above NGVD of 1929. Drainage area is 47.4 mi^2.	1948-65, 1966-68‡, 1969-2003	02-22-03	16.52	9,590	04-12-80	25.11	32,000

Crest-stage partial-record stations--Continued

Maximum discharge at crest-stage partial-record stations --Continued

Station name and number	Location and drainage area	Period of record	Water year 2003 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						
Silver Creek at Silver Creek, MS (02488600)	Lat 31°36'17", long 89°59'31", in SE1/4 SE1/4 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. Datum of gage is 244.30 ft. above NGVD of 1929. Drainage area is 123 mi^2.	1998-2003	02-22-03	17.05	17,000	02-22-03	17.05	17,0900
Elmers Draw near Columbia, MS, (02489030)	Lat 31°11'58", long 89°57'57", in SE1/4 SE1/4 NW1/4 sec.26, T.3 N., R.12 E., Washington Meridian, Marion County, Hydrologic Unit 03180004, at bridge or culvert on U.S. Highway 98, 5.7 mi west of Columbia. Prior to Oct. 1, 1964, at datum 1.12 ft higher. Datum of gage is 290 ft. above NGVD of 1929. Drainage area is 0.91 mi^2.	1955-2003	06-15-03	6.38	360	04-06-83	16.22	1,620
		MISSISSIPPI RIVER BASIN						
Wolf River at Springhill, MS (07030370)	Lat 34°56'48", long 89°11'39", in NE1/4 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. Datum of gage is 408.64 ft. of NGVD of 1929. Drainage area is 104 mi^2.	1999-2003	05-10-03	12.30	3,430	11-29-01	15.00	13,300
		YAZOO RIVER BASIN						
Hell Creek near New Albany, MS (07267000)	Lat 34°31'06", long 89°02'49", in NW1/4 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. Datum of gage is 326.92 ft. above NGVD of 1929. Drainage area is 26.8 mi^2.	1939-42‡, 1952-2003	05-18-03	9.96	3,220	11-29-01	15.08	6,240
Cypress Creek near Etta, MS (07268500)	Lat 34°26'31", long 89°17'15", in NE1/4 SW1/4 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. Datum of gage is 319.90 ft. above NGVD of 1929. Drainage area is 28.5 mi^2.	1939-42‡, 1952-2003	10-11-02	13.62	1,840	05-19-83	19.94	f5,000
North Tippah Creek near Ripley, MS (07269000)	Lat 34°44'00", long 89°01'24", in NW1/4 SE1/4 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. Datum of gage is 386.36 ft. above NGVD of 1929. Drainage area is 19.3 mi^2.	1939-42‡, 1952-85, 1988-2003	05-18-03	18.04	4,030	04-12-79	21.60	(†)
Hotopha Creek near Batesville, MS (07273100)	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 State Highway 35, 4.4 mi northeast of Batesville. Datum of gage is 195.45 ft. above NGVD of 1929. Drainage area is 35.1 mi^2.	1986-2001‡, 2002-2003	05-06-03	13.22	4,230	02-19-91	16.83	10,400
Town Creek at Water Valley, MS (07274251)	Lat 34°08'52", long 89°37'51", in NE1/4 NE1/4 sec.8, T.11 S., R.4 W., Chickasaw Meridian, Yalobusha County, Hydrologic Unit 08030203, at bridge or culvert on State Highway 7 in Water Valley. Datum of gage is 276.00 ft. above NGVD of 1929. Drainage area is 3.97 mi^2.	1985-2001‡, 2002-2003	05-06-03	8.55	954	11-30-01	11.29	1,840
Otoucalofa Creek Canal near Water Valley, MS (07274252)	Lat 34°08'04", long 89°38'59", in SE1/4 NE1/4 sec.7, T.11 S., R.4 W., Chickasaw Meridan, Yalobusha County, Hydrologic Unit 08030203, at bridge or culvert on State Highway 7 bypass, 1.0 mi west of Water Valley. Datum is 250.95 ft. above NGVD of 1929. Drainage area is 97.1 mi^2.	1985-2001‡, 2002-2003	05-06-03	14.29	7,030	02-19-91 05-01-91	18.23 20.10	17,700 (†)

Crest-stage partial-record stations--Continued

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2003 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						
Long Creek at Courtland, MS (07275500)	Lat 34°13'42", long 89°56'12", in NW1/4 SE1/4 sec.9, T.10 S., R.7 W., Chickasaw Meridian, Panola County, Hydrologic Unit 08030203, at bridge on U.S. Highway 51, 1.0 mi south of Courtland, 5.5 mi above mouth and 6.0 mi south of Batesville. Datum of gage is 196.33 ft. above NGVD of 1929. Drainage area is 66.3 mi^2.	1940-43‡, 1952-2003	05-06-03	18.13	10,400	05-28-54	25.02	38,300
Peters (Long) Creek near Pope, MS (07275530)	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, at bridge or culvert on county road 1.5 mi west of Pope. Datum of gage is 182.51 ft. above NGVD of 1929. Drainage area is 79.2 mi^2.	1986-2001‡, 2002-2003	10-10-02	16.45	10,000	02-03-90 02-19-91	19.86 21.13	26,500 25,600
Senatobia Creek near Senatobia, MS (07277730)	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 State Highway 4, 0.5 mi east of Senatobia. Datum of gage is 233.80 ft. above NGVD 1929. Drainage area is 62.8 mi^2.	1942-1973, 1974-1985c, 1986-2001‡, 2002-2003	05-06-03	20.16	(†)	05-06-03 09-24-97	20.16 16.94	(†) 12,700
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. Datum of gage is 250.00 ft. above NGVD of 1929. Drainage area is 25.1 mi^2.	1999-2003	05-06-03	(b)	f3,100	01-23-99	27.57	d7,200
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. Datum of gage is 280 ft. above NGVD of 1929. Drainage area is 1.64 mi^2.	1965-2003	05-06-03	12.06	1,700	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, at bridge or culvert on State Highway 12, east of Tchula. Datum of gage is 135.74 ft. above NGVD of 1929. Drainage area is 103 mi^2.	1953-65e, 1968-2003	04-07-03	19.27	6,400	04-05-01	25.13	32,000
Harland Creek near Howard, MS (07287404)	lat 33°06'05", long 90°10'23", in SW1/4 SW1/4 sec.35, T.15 N., R.1 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08030206, at bridge or culvert on county road 1.8 mi southeast of Howard. Datum of gage is 132.85 ft above NGVD of 1929. Drainage area is 62.1 mi^2.	1986-2000‡, 2001g, 2003	04-07-03	19.17	4.370	03-18-87 01-18-95	21.36 22.95	7,440 6,420
Black Creek at Howard, MS (07287405)	Lat 33°07'11", long 90°11'28", in NW1/4 SW1/4 sec.27, T.15 N., R.1 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08030206, at bridge or culvert on county road, 0.2 mi south of Howard. Datum of gage is 124.52 ft. above NGVD of 1929. Drainage area is 178 mi^2.	1999-2000‡, 2001g, 2003	04-07-03	17.98	15,100	04-05-01	18.31	15,600
Piney Creek near Benton, MS (07287474)	Lat 32°50'57", long 90°14'10", in NE1/4 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. Datum of gage is 212.14 ft. above NGVD of 1929. Drainage area is 12.9 mi^2.	1999-2003	04-07-03	11.35	4,480	04-07-03	11.35	4,480

Crest-stage partial-record stations--Continued

Maximum discharge at crest-stage partial-record stations --Continued

Station name and number	Location and drainage area	Period of record	Water year 2003 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
			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. Datum of gage is 295.97 ft. above NGVD of 1929. Drainage area is 14.0 mi^2.	1960-74, 1976-2003	02-04-03	23.50	2,420	12-03-83	26.67	3,830
Long Creek at Sallis, MS (07289450)	Lat 33°00'56", long 89°45'55", in NE1/4 NE1/4 sec.3, T.13 N., R.5 E., Choctaw Meridian, Attala County, Hydrologic Unit 08030206, at bridge on State Highway 429, 0.3 mi south of Sallis. Datum of gage is 250.00 ft. above NGVD of 1929. Drainage area is 42.1 mi^2.	1999-2003	04-07-03	21.29	2,290	04-05-01	25.14	14,100
Big Cypress Creek near Pickens, MS (07289504)	Lat 32°52'45", long 90°03'32", in SW1/4 SE1/4 sec.14, T.12 N., R.2 E., Choctaw Meridian, Yazoo County, Hydrologic Unit 08030206, at bridge on state Highway 432, 5 mi west of Pickens. Datum of gage is 215.41 ft. above NGVD of 1929. Drainage area is 58.4 mi^2.	1999-2003	04-07-03	17.92	5,770	04-07-03	17.92	5,770
Tilda Bogue near Canton, MS (07289600)	Lat 32°39'18", long 90°00'53", in NW1/4 NE1/4 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. Datum of gage is 208 ft. above NGVD of 1929. Drainage area is 24.2 mi^2.	1948-2003	04-07-03	18.87	4,600	04-29-53	19.00	8,800
Walesheba Creek near Bentonia, MS (07289690)	Lat 32°41'06", long 90°18'19", in SE1/4 NW1/4 sec.28, T.10 N., R.1 W., Choctaw Meridian, Yazoo County, Hydrologic Unit 08030206, at bridge on State Highway 433, 2.8 mi southwest of Myrleville, and 5.6 mi east of Bentonia. Datum of gage is 169.09 ft. above NGVD of 1929. Drainage area is 36.4 mi^2.	1966, 1998-2003	05-29-98 01-29-99 d04-02-00 01-18-01 09-27-02 04-07-03	20.36 19.57 20.67 19.21 19.49 22.29	d4,180 d2,890 d4,770 d2,440 d2,780 8,950	02-10-66	d22.76	f10,500
Clear Creek near Bovina, MS (07290005)	Lat 32°21'45", long 90°43'40", in SE 1/4 NW1/4 SE1/4 sec.17, T.16 N., R.5 E., Washington Meridian, Warren County, HydrologicUnit 08060202, at bridge or culvert on county road, 1.0 mi northeast of Bovina. Datum of gage is 113.30 ft. above NGVD of 1929. Dainage area is 32.0 mi^2.	1953-2003	04-07-03	28.85	17,100	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 NE1/4 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. Datum of gage is 246.60 ft. Drainage area is 122 mi^2.	1998-2003	02-22-03	18.98	20,000	02-22-03	18.98	20,000
Tallahalla Creek at Utica, MS (07290549.95)	Lat 32°04'54", long 90°35'53", in NE1/4 SE1/4 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. Datum of gage is 112.326 ft. above NGVD of 1929. Drainage area is 72.0 mi^2.	1998-2003	02-22-03	20.82	7,410	09-26-02	22.64	8,520
Clarks Creek near Pattison, MS (07290690)	Lat 31°53'36", long 90°50'31", in NW1/4 SW1/4 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. Datum of gage is 113.84 ft. above NGVD of 1929. Drainage area is 77.4 mi^2.	1961-62‡, 1963-2003	02-22-03	18.27	8,900	04-12-80	27.90	31,000

Crest-stage partial-record stations--Continued

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2003 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
COLES CREEK BASIN								
Little Creek near Fayette, MS (07290830)	Lat 31°40'30", long 91°04'10", in SE1/4 SE1/4 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. Datum of gage is 250 ft. above NGVD of 1929. Drainage area is 1.51 mi^2.	1967-2003	10-26-02	9.19	580	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. Datum of gage is 50 ft above NGVD of 1929. Drainage area is 115 mi^2.	1999-2003	02-22-03	35.97	11,000	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 SE1/4 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. Datum of gage is 78.72 ft. above NGVD of 1929. Drainage area is 108 mi^2.	1999-2003	02-22-03	24.13	10,100	03-02-01	29.05	22,500
HOMOCHITTO RIVER BASIN								
McCall Creek near Lucien, MS (07291250)	Lat 31°30'54", long 90°38'53", in SW1/4 NW1/4 SW1/4 sec.6, T.6 N., R.6 E., Washington Meridian, Franklin County, Hydrologic Unit 08060205, at bridge or culvert on U.S. Highway 84, 0.8 mi east of Lucien. Datum of gage is 208.35 ft. above NGVD of 1929. Drainage area is 60.8 mi^2.	1953, 1955-2003	02-22-03	87.16	19,300	04-13-74	92.70	23,000
THOMPSON CREEK BASIN								
Moores Branch near Woodville, MS (07373550)	Lat 31°05'20", long 91°14'30", in SE1/4 SW1/4 SW1/4 sec.32, T.2 N., R.1 W., Washington Meridian, Wilkinson County, Hydrologic Unit 08070201, at bridge or culvert on State Highway 24, 3.3 mi east of Woodville. Prior to Oct. 1, 1964, at datum 0.88 ft lower. Datum of gage is 330 ft. above NGVD 0f 1929. Drainage area is 0.21 mi^2.	1955-2003	02-22-03	3.73	131	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 SW1/4 NE1/4 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. Datum of gage is 247.34 ft. above NGVD of 1929. Drainage area is 179 mi^2.	1990, 1998-2003	02-22-03	19.48	23,300	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 2003

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements	
					Date	Discharge (ft^3/s)
PASCAGOULA RIVER BASIN						
02475300 Potterchitto Creek at Newton, MS	Chunky River	Lat 32°20'39", long 89°08'09" in sec.23. T.6 N., R.11 E., Choctaw Meridian, Newton County, Hydrologic Unit 03170001, at the Highway 15 bridge over Potterchitto Creek at Newton,MS.	30.1	1952 1954-57 1959-60 1967	04-07-03	7,650
02477350 Chickasawhay River at Shubuta, MS	Pascagoula River	Lat 31°50'55", long 88°41'24", in sec.10, T.10 N., R.7 W., Choctaw Meridian, Clarke County, Hydrologic Unit 03170002, at Highway 45 bridge over the Chickasawhay River at Shubuta, MS.	1460	1944 1954 1964-67 1972 1987	04-11-03	31,800
02489302 Red Creek at Highway 57 near Vestry, MS	Black Creek	Lat 30°43'14", long 88°44'19", in sec.1, T.4 S, R.8 W., St. Stephens Meridian, Jackson County, Hydrologic Unit 03170007, at bridge on Highway 57 near Vestry, MS.	479	----	06-26-03	536
PEARL RIVER BASIN						
02483470 Tuscolameta Creek near Tuscola, MS	Pearl River	Lat 32°39'15", long 89°34'22", in sec.3, T.9 N., R.7 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, at the county road crossing 3 mi downstream of SR 487.	515	----	04-08-03	45,300
02485300 Pelahatchie Creek at Pelahatchie, MS	Pearl River	Lat 32°18'43", long 89°48'33", in sec.32, T.6 N., R.5 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, at the Highway 80 bridge at Pelahatchie, MS.	69.0	1943-46	04-07-03	15,700
02485730 Hog Creek at Flowood Drive at Luckney, MS	Pearl River	Lat 32°20'00", long 90°05'02", in sec.27, T.6 N., R2 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, at bridge on Highway 468, 1 mi east of the intersection with Highway 475.	11.2	1954-56 1987	02-21-03	1,650
02485905 Prairie Branch at Mangum Drive at Flowood, MS	Pearl River	Lat 32°18'18", long 90°06'28", in sec.4, T.5 N., R.2 E., Choctaw Meridian, Rankin County, at bridge on Mangum Drive, 1.25 mi south of intersection with Highway 468 in Flowood, MS.	Approx 5.8	----	04-07-03	460

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 SE¼ SW¼ 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 mi^2 (42.1 acres).

PERIOD OF RECORD.--Water years 1996 to current year (discontinued).

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 116.42 ft above NGVD of 1929. Automatic pumping water-quality and sediment samplers since April 1996.

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Ending time	Suspended sediment concentration mg/L (80154)
DEC			
04-04	0729	2245	1390
10-10	0304	0520	1420
13-13	0120	0515	2740
19-19	0946	2035	3620
JAN			
29-29	0942	1232	1660
FEB			
03-03	1810	1958	2220
06-06	0907	2040	919
09-09	1946	1956	898
20-21	1931	0857	1180
21-22	1557	0047	2600
APR			
06-06	1441	2203	7450
MAY			
06-06	2046	2231	7700
17-17	0730	0932	6700
JUN			
11-12	2128	0057	2050
12-12	0809	0918	1440

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 SE¼ NW¼ 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 mi^2 (25.4 acres).

PERIOD OF RECORD.--Water years 1996 to current year (discontinued).

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 120.50 ft above NGVD of 1929. 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 ft^3/s, Jan. 29, 1999, gage height, 2.09 ft; no flow for many days during each year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 16 ft^3/s, June 11, gage height, 1.56 ft; no flow for many days during year.

SELECTED RUNOFF EVENTS, 2003 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
11-04	2300	0.16	0.48	04-06	1530	0.11	0.27	06-11	2125	0.14	0.39
11-04	2330	.49	2.7	04-06	1600	.27	1.1	06-11	2130	.54	3.1
11-05	0000	.54	3.1	04-06	1630	.36	1.7	06-11	2135	1.02	7.4
11-05	0100	.34	1.5	04-06	1700	.52	3.0	06-11	2140	1.24	10
11-05	0200	.26	1.0	04-06	1715	.76	5.1	06-11	2145	1.38	12
11-05	0300	.30	1.3	04-06	1730	1.03	7.5	06-11	2200	1.56	16
11-05	0400	.38	1.8	04-06	1745	1.25	10	06-11	2215	1.52	15
11-05	0430	.62	3.9	04-06	1800	1.38	12	06-11	2230	1.50	14
11-05	0500	.70	4.6	04-06	1830	1.41	13	06-11	2245	1.44	13
11-05	0530	.81	5.5	04-06	1900	1.36	12	06-11	2300	1.36	12
11-05	0600	.99	7.1	04-06	1930	1.27	10	06-11	2330	1.34	12
11-05	0630	1.08	8.0	04-06	2000	1.18	9.2	06-12	0000	1.29	11
11-05	0700	1.12	8.4	04-06	2030	1.12	8.4	06-12	0015	1.25	10
11-05	0730	1.19	9.3	04-06	2100	1.13	8.6	06-12	0030	1.18	9.2
11-05	0800	1.24	10	04-06	2130	1.02	7.4	06-12	0045	1.10	8.2
11-05	0830	1.23	9.9	04-06	2200	.80	5.4	06-12	0100	1.00	7.2
11-05	0900	1.20	9.4	04-06	2230	.45	2.4	06-12	0115	.90	6.3
11-05	1000	1.06	7.8	04-06	2300	.27	1.1	06-12	0130	.76	5.1
11-05	1100	.74	4.9	04-06	2330	.19	.62	06-12	0145	.50	2.8
11-05	1200	.24	.90	04-07	0000	.14	.39	06-12	0200	.11	.27
11-05	1300	.15	.43	04-07	0100	.10	.23				
11-05	1400	.10	.23								

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Ending time	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Sus-pended sedi-ment concen-tration mg/L (80154)
JUN										
11-12	2127	0136	2.3	.03	.82	.010	.13	1.20	3.2	1220

Date	Time	Ending time	Sus-pended sedi-ment concen-tration mg/L (80154)	Date	Time	Ending time	Sus-pended sedi-ment concen-tration mg/L (80154)
OCT				FEB			
04-04	0255	0727	106	03-03	1825	1941	1290
10-10	1834	2256	177	06-06	1032	1758	413
20-20	1032	1744	182	15-15	0443	1954	1690
NOV				21-21	0150	0700	501
04-05	2310	0904	189	21-21	1620	1750	1070
DEC				APR			
04-04	0909	1712	825	06-06	1605	2301	1870
13-13	0152	0521	1700	MAY			
23-24	2041	0535	1540	06-06	2059	2154	4380
JAN				17-17	0740	0902	3590
29-29	1031	1226	935	JUN			
				12-12	0830	0913	807

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728711620 UNKNOWN LAKE TRIBUTARY NO 2 NEAR SIDON, MS--Continued

DISCRETE SAMPLE DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI-MENT, SUS-PENDED (MG/L) (80154)
OCT			
04...	0252	1.2	141
04...	0355	2.6	106
04...	0436	3.2	98
04...	0518	2.6	103
04...	0621	1.3	94
09...	1043	1.1	1100
09...	1129	4.2	468
09...	1302	1.5	147
10...	1831	1.1	195
10...	1837	1.7	312
10...	1923	3.6	321
10...	1956	4.0	183
10...	2035	2.7	138
10...	2131	1.9	118
20...	1029	1.2	559
20...	1118	2.7	417
20...	1207	2.5	218
20...	1253	2.6	134
20...	1356	1.5	95
20...	1500	1.9	94
20...	1600	2.2	77
20...	1700	1.6	63
NOV			
04...	2308	1.1	314
04...	2340	3.1	243
05...	0022	2.5	259
05...	0117	1.3	135
05...	0238	1.1	125
05...	0300	1.3	108
05...	0319	1.3	101
05...	0422	3.4	121
05...	0454	4.6	141
05...	0522	4.8	151
05...	0545	6.5	208
05...	0604	7.2	253
05...	0622	7.8	271
05...	0639	8.2	280
05...	0655	8.3	252
05...	0711	8.7	235
05...	0726	9.2	227
05...	0740	9.6	227
05...	0753	9.9	236
05...	0807	10	245
05...	0820	10	246
05...	0833	9.9	215
05...	0847	9.7	183
05...	0901	9.4	178
DEC			
04...	0909	1.3	1030
04...	1005	2.4	1030
04...	1049	3.1	1010
04...	1133	2.5	1040
04...	1233	1.8	958
04...	1338	2.0	859
04...	1438	2.1	736
04...	1536	2.1	681
04...	1636	1.8	618
04...	1736	1.3	556
13...	0152	1.3	2390
13...	0235	2.9	2200
13...	0315	3.2	1560
13...	0359	2.4	1320
23...	2041	1.3	2360
23...	2119	5.8	2180
23...	2138	7.6	2500
23...	2155	8.9	2480
23...	2209	9.6	2400
23...	2223	9.7	2300
23...	2236	9.9	2080
23...	2250	9.7	1860
23...	2304	9.4	1630
23...	2318	8.9	1490
23...	2334	8.4	1420
23...	2350	7.8	1230
24...	0008	7.2	1100
24...	0028	6.4	886
24...	0051	5.4	778
24...	0120	3.7	648
24...	0212	1.8	721
24...	0313	2.1	762
DEC--Continued			
24...	0401	3.3	854
24...	0436	4.0	839
24...	0511	3.2	696
24...	0557	1.3	604
JAN			
29...	1012	1.2	1770
29...	1050	2.8	1300
29...	1131	2.1	719
FEB			
03...	1825	1.3	1710
03...	1908	2.6	1370
06...	1031	1.3	405
06...	1138	2.4	368
06...	1226	2.6	420
06...	1318	2.1	427
06...	1426	1.5	421
06...	1534	2.1	414
06...	1632	1.9	405
15...	0442	1.2	3830
15...	0504	3.7	4100
15...	0532	5.3	2590
15...	0557	5.2	2050
15...	0625	4.1	1920
15...	0710	1.7	1580
15...	1641	1.3	907
15...	1647	1.6	949
15...	1731	3.9	805
15...	1803	3.9	637
15...	1847	1.8	568
APR			
06...	1610	1.4	2870
06...	1659	2.9	2190
06...	1729	7.4	1950
06...	1746	10	2560
06...	1759	12	2820
06...	1809	13	2980
06...	1840	13	2540
06...	1851	12	2270
06...	1902	12	2180
06...	1913	11	1970
06...	1924	11	1920
06...	1937	10	1590
06...	1950	9.6	1780
06...	2004	8.9	1600
06...	2019	8.6	1170
06...	2035	8.4	1130
06...	2051	8.7	1240
06...	2106	8.3	1280
06...	2122	7.8	1690
06...	2140	6.8	1720
06...	2200	5.4	1180
06...	2230	2.4	1190
MAY			
17...	0739	.95	6360
17...	0807	4.1	4360
17...	0901	1.3	1500
JUN			
02...	1837	.57	4370
02...	1913	3.1	1670
02...	2136	.57	7580
02...	2151	7.9	6350
02...	2205	11	5180
02...	2216	12	3950
02...	2220	11	3090
02...	2241	9.9	2270
02...	2255	8.9	1830
02...	2312	7.6	1470
02...	2331	6.1	1140
11...	2127	.95	6410
11...	2143	12	3960
11...	2153	15	3670
11...	2201	16	3060
11...	2210	15	2430
11...	2219	15	1880
11...	2228	14	1520
11...	2238	14	1270
11...	2248	13	1080
11...	2258	12	964
11...	2309	12	864
11...	2320	12	732

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728711620 UNKNOWN LAKE TRIBUTARY NO 2 NEAR SIDON, MS--Continued

DISCRETE SAMPLE DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI-MENT, SUS-PENDED (MG/L) (80154)
JUN--Continued			
11...	2332	11	604
11...	2344	11	613
11...	2356	11	600
12...	0008	11	734
12...	0022	9.7	823
12...	0036	8.8	732
12...	0052	7.8	801
12...	0111	6.5	827
12...	0135	4.6	589
12...	0829	1.1	997

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 NW¼NW¼ 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 mi^2 (380 acres), approximately.

PERIOD OF RECORD.--Water years 1997 to current year (discontinued).

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 106.25 ft above NGVD of 1929. Automatic pumping water-quality and sediment samplers since November 1996.

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Ending time	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Sus-pended sedi-ment concen-tration mg/L (80154)
JUN										
13-14	2019	0518	1.9	.30	2.60	.090	.10	.51	5.1	360

Date	Time	Ending time	Sus-pended sedi-ment concen-tration mg/L (80154)	Date	Time	Ending time	Sus-pended sedi-ment concen-tration mg/L (80154)
NOV				MAR			
06-06	1401	1427	18100	13-13	0950	1450	2010
DEC				APR			
04-05	1018	2123	281	06-07	1456	0721	1080
19-20	0944	1110	428	MAY			
JAN				17-17	0740	1140	993
29-29	1053	1709	550	20-21	1859	0021	1300
FEB				JUN			
07-07	0946	1110	520	02-03	1824	0104	732
20-23	2132	0329	994				

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 NW¼NW¼ 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 mi^2 (170 acres), approximately.

PERIOD OF RECORD.--Water years 1997 to current year (discontinued).

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 106.69 ft above NGVD of 1929. Automatic pumping water-quality and sediment samplers since November 1996.

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Ending time	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Suspended sediment concentration mg/L (80154)
JUN 11-12	2356	1326	1.9	.30	1.00	.020	.11	.58	6.8	337
JUN 12-14	1328	0636	1.3	.35	.86	.050	.09	.27	7.2	110

Date	Time	Ending time	Suspended sediment concentration mg/L (80154)
APR 07-07	1130	2230	424

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 SW¼NE¼ 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 mi^2 (840 acres), approximately.

PERIOD OF RECORD.--Water years 1997 to current year (discontinued).

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 101.75 ft above NGVD of 1929. Automatic pumping water-quality and sediment samplers since October 1997.

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Ending time	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Suspended sediment concentration mg/L (80154)
JUN										
12-15	0026	0122	1.7	.26	1.50	.090	.12	.64	5.5	241

Date	Time	Ending time	Suspended sediment concentration mg/L (80154)	Date	Time	Ending time	Suspended sediment concentration mg/L (80154)
OCT				FEB			
04-06	0247	0843	228	21-25	2117	0150	632
NOV				APR			
05-08	0456	1008	57	06-09	1823	0918	348
DEC							
24-28	0059	2259	165				

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 NW¼ SE¼ 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 mi^2 (100 acres).

PERIOD OF RECORD.--Water years 1996 to current year (discontinued).

INSTRUMENTATION.--Water-stage recorder and acoustic velocity meter. Datum of gage is 104.52 ft above NGVD of 1929. Automatic pumping water-quality and sediment samplers since August 1996.

REMARKS.--No estimated discharges. Discharge records fair for published events. 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 34 ft^3/s, Dec. 15, 2000 (gage height, 5.37 ft), Jan. 24, 2002 (gage height, 5.39 ft), maximum gage height, 6.21 ft, Jan. 24, 1997; no flow for many days during each year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge not determined due to malfunction of the acoustic velocity meter during peak flow event, maximum gage height, 6.10 ft, June 11; no flow for many days during year.

SELECTED RUNOFF EVENTS, 2003 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
12-04	0715	0.62	0.38	02-20	0000	0.61	0.17	03-13	0845	0.77	1.4
12-04	0845	.83	1.4	02-20	1815	.63	.39	03-13	0915	1.09	3.9
12-04	1000	1.05	3.4	02-20	1915	.69	.72	03-13	0930	1.29	4.9
12-04	1115	1.30	4.4	02-20	2015	.79	1.7	03-13	1030	1.53	6.4
12-04	1215	1.59	6.8	02-20	2115	.97	3.3	03-13	1045	1.50	6.6
12-04	1300	1.68	7.6	02-20	2315	1.25	6.0	03-13	1315	1.20	5.4
12-04	1500	1.67	7.2	02-21	0000	1.27	6.2	03-13	1600	1.04	4.0
12-04	1630	1.72	7.9	02-21	0145	1.42	7.0	03-13	1815	.92	2.5
12-04	1745	1.72	7.3	02-21	0300	1.78	11	03-13	2130	.80	1.7
12-04	1830	1.79	8.3	02-21	0400	2.15	14	03-13	2345	.75	1.2
12-04	1900	1.82	8.3	02-21	0615	1.92	10	03-14	0300	.71	.89
12-04	1945	1.77	8.5	02-21	0930	1.56	7.0	03-14	0630	.67	.54
12-04	2015	1.72	6.4	02-21	1100	1.45	6.1	03-14	1415	.62	.40
12-04	2030	1.68	7.2	02-21	1445	1.19	4.1	03-14	1545	.62	.19
12-04	2200	1.55	5.8	02-21	1515	1.16	3.8	03-14	2015	.60	.16
12-05	0145	1.34	5.1	02-21	1730	1.43	6.2				
12-05	0315	1.26	4.0	02-21	1915	2.00	12				
12-05	0345	1.24	3.4	02-21	2100	3.59	20				
12-05	0630	1.11	3.7	02-21	2115	3.61	19				
12-05	1000	.96	2.3	02-21	2345	2.46	11				
12-05	1015	.95	.98	02-22	0200	2.07	9.2				
12-05	1215	.90	.35	02-22	0345	1.93	7.8				
12-05	2345	.74	.25	02-22	0545	2.21	9.8				
12-06	2115	.60	.16	02-22	0900	1.77	7.1				
				02-22	1245	1.50	5.1				
				02-22	2000	1.30	4.2				
				02-23	0245	.94	2.0				
				02-23	1330	.74	1.0				
				02-23	1930	.68	.5				
				02-24	1715	.60	.13				

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862108 BEASLEY LAKE TRIBUTARY NO 1 NEAR INDIANOLA, MS--Continued

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Ending time	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Suspended sediment concentration mg/L (80154)
JUN										
11-15	2055	1235	1.4	.10	.26	.010	.11	.54	2.8	553

Date	Time	Ending time	Suspended sediment concentration mg/L (80154)
OCT			
04-04	0021	1740	853
07-07	0246	0840	2240
09-10	0950	0600	1100
NOV			
05-06	0147	0206	406
DEC			
04-04	1151	2342	251
13-13	0153	0938	689
19-24	0926	0042	1170
FEB			
06-06	1057	2044	172
21-21	0158	1100	400
MAR			
13-13	0951	1106	1080
APR			
06-08	1624	2344	1850
MAY			
17-17	0545	1852	2140

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 NW¼ SW¼ 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 mi^2 (14.4 acres).

PERIOD OF RECORD.--Water years 1996 to current year (discontinued).

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 110.89 ft above NGVD of 1929. 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 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 9.9 ft^3/s, Aug. 27, gage height, 1.88 ft; no flow for many days during year.

SELECTED RUNOFF EVENTS, 2003 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
12-19	0830	0.10	0.03	03-13	0850	0.02	--	08-27	1600	0.18	0.08
12-19	0845	.14	.05	03-13	0855	.36	0.30	08-27	1605	.54	.66
12-19	0850	.27	.17	03-13	0900	.87	1.8	08-27	1610	.92	2.0
12-19	0855	.62	.88	03-13	0905	1.11	3.0	08-27	1615	1.28	4.1
12-19	0900	.86	1.7	03-13	0910	1.23	3.8	08-27	1620	1.55	6.4
12-19	0905	.99	2.4	03-13	0915	1.30	4.3	08-27	1625	1.73	8.2
12-19	0910	1.07	2.8	03-13	0920	1.34	4.6	08-27	1630	1.82	9.2
12-19	0915	1.13	3.1	03-13	0925	1.36	4.7	08-27	1635	1.86	9.7
12-19	0920	1.18	3.5	03-13	0930	1.35	4.7	08-27	1640	1.88	9.9
12-19	0925	1.21	3.7	03-13	0945	1.27	4.1	08-27	1645	1.87	9.8
12-19	0930	1.22	3.7	03-13	1000	1.10	3.0	08-27	1650	1.86	9.7
12-19	0945	1.17	3.4	03-13	1015	.96	2.2	08-27	1655	1.84	9.5
12-19	1000	1.08	2.9	03-13	1030	.88	1.8	08-27	1700	1.82	9.2
12-19	1030	.96	2.2	03-13	1045	.82	1.6	08-27	1715	1.73	8.2
12-19	1100	.87	1.8	03-13	1100	.77	1.4	08-27	1730	1.61	6.9
12-19	1130	.85	1.7	03-13	1115	.73	1.2	08-27	1745	1.46	5.6
12-19	1200	.80	1.5	03-13	1130	.69	1.1	08-27	1800	1.29	4.2
12-19	1230	.82	1.6	03-13	1200	.62	.88	08-27	1830	.99	2.4
12-19	1300	.79	1.5	03-13	1230	.56	.71	08-27	1900	.88	1.8
12-19	1330	.73	1.2	03-13	1300	.50	.56	08-27	2000	.73	1.2
12-19	1400	.68	1.1	03-13	1330	.44	.43	08-27	2100	.63	.91
12-19	1500	.59	.79	03-13	1400	.38	.33	08-27	2200	.55	.68
12-19	1600	.52	.61	03-13	1500	.31	.22	08-27	2300	.48	.52
12-19	1700	.47	.50	03-13	1800	.19	.09				
12-19	1800	.43	.42								

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Ending time	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Sus-pended sedi-ment concen-tration mg/L (80154)
JUN										
11-12	2222	0440	1.9	.02	1.80	.010	.02	.79	3.9	1310
JUN										
13-13	1942	2054	3.5	.05	.33	.010	.04	1.10	6.3	1980

Date	Time	Ending time	Sus-pended sedi-ment concen-tration mg/L (80154)	Date	Time	Ending time	Sus-pended sedi-ment concen-tration mg/L (80154)
OCT				FEB			
03-04	1733	0040	585	06-06	0950	1734	584
09-10	2157	1252	25300	15-15	0439	0449	1930
DEC				21-22	1620	0347	679
04-04	0708	1629	887	MAR			
13-13	0056	0512	1300	05-05	2119	2221	2110
19-19	0857	1327	2120	13-13	0859	1058	1750
23-24	1942	0232	821	APR			
JAN				06-06	1714	2226	3230
29-29	0953	1251	752				

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862210 BROWNS BAYOU TRIBUTARY NO 3 NEAR INVERNESS, MS--Continued

DISCRETE SAMPLE DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI-MENT, SUS-PENDED (MG/L) (80154)
OCT			
03...	1734	1.2	1030
04...	0008	1.2	701
09...	2158	1.1	2860
10...	1251	1.1	21000
20...	1342	1.2	4460
DEC			
04...	0709	1.2	1860
04...	0748	3.9	1470
04...	0830	3.3	1220
04...	0915	3.3	1130
04...	0959	3.6	1040
04...	1042	3.2	877
04...	1134	2.7	752
04...	1226	3.0	673
04...	1319	2.6	573
04...	1422	2.2	507
04...	1538	1.9	437
13...	0057	1.2	2520
13...	0150	3.3	1510
13...	0235	3.0	1090
13...	0338	1.8	787
13...	0511	1.1	596
19...	0858	1.3	3970
19...	0951	3.0	1680
19...	1101	1.7	1100
19...	1243	1.4	764
19...	1328	1.1	678
23...	1943	1.2	1880
23...	2036	5.0	1660
23...	2104	5.4	1270
23...	2132	5.1	1000
23...	2200	5.5	934
23...	2228	5.2	825
23...	2258	4.7	704
23...	2331	4.5	630
24...	0004	4.7	570
24...	0037	4.2	528
24...	0117	3.2	478
24...	0205	3.3	473
24...	0246	3.7	504
24...	0325	4.2	550
24...	0359	4.6	539
24...	0435	3.6	452
24...	0525	2.4	392
24...	0642	1.6	358
24...	0757	1.1	314
JAN			
29...	0955	1.3	764
29...	1044	3.2	655
29...	1144	1.8	967
29...	1250	1.1	920
FEB			
06...	0952	1.1	840
06...	1105	2.3	614
06...	1208	2.2	515
06...	1323	1.7	639
06...	1457	1.7	567
06...	1622	1.6	533
06...	1730	1.1	509
06...	1734	1.1	508
15...	0441	1.2	2210
15...	0514	1.1	1430
15...	1632	1.2	860
15...	1754	1.1	697
21...	1621	1.2	1070
21...	1733	2.0	642
21...	1840	2.2	520
21...	1948	2.1	405
21...	2042	6.7	4140
21...	2101	8.9	2140
21...	2118	8.9	1430
21...	2135	8.3	1070
21...	2154	7.9	929
21...	2214	7.2	838
21...	2235	6.4	796
21...	2301	5.1	784
21...	2335	3.7	802
22...	0023	2.7	813
22...	0127	2.0	679
22...	0254	1.4	668
FEB--Continued			
22...	0348	1.1	572
22...	0522	1.2	698
22...	0639	1.1	492
25...	0338	1.2	1520
25...	0430	2.3	769
25...	0601	1.5	604
25...	0657	1.1	496
25...	0847	.52	375
MAR			
05...	2121	1.3	3610
13...	0900	1.7	4600
13...	0938	4.4	1330
13...	1028	1.8	990
APR			
06...	1715	1.3	6520
06...	1801	3.3	3780
06...	1844	3.7	3150
06...	1928	2.9	2740
06...	2028	2.2	2170
06...	2153	1.3	1710
06...	2226	1.1	1440
JUN			
11...	2223	1.2	5120
11...	2241	8.9	2820
11...	2258	8.1	2220
11...	2319	6.1	1380
11...	2340	8.5	1310
11...	2357	9.0	874
12...	0014	8.5	612
12...	0033	7.0	513
12...	0058	4.5	897
12...	0154	1.8	1400
12...	0250	1.1	335
12...	0410	1.1	394
12...	0740	1.2	1220
12...	0840	1.3	390
12...	0853	1.1	328
13...	1944	1.5	4320
13...	2026	2.1	1290

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862211 BROWNS BAYOU NEAR INVERNESS, MS

LOCATION.--Lat 33°21'28", long 90°30'37", in NW¼SE¼ 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.--2.30 mi^2 (1,470 acres).

PERIOD OF RECORD.--Water years 1996 to current year (discontinued).

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 103.41 ft above NGVD of 1929. Automatic pumping water-quality and sediment samplers since April 1996.

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Ending time	Suspended sediment concentration mg/L (80154)	Date	Time	Ending time	Suspended sediment concentration mg/L (80154)
OCT				DEC 31 2002-			
04-04	0019	1914	242	JAN 03	1536	0115	313
NOV				29-29	1121	1839	103
05-07	0243	0531	151	FEB			
DEC				06-07	1126	1737	189
04-06	0830	0541	197	15-16	1608	0523	290
13-13	0241	2042	349	20-21	2312	2354	257

DEER CREEK WATER-QUALITY STUDY

WATER QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

0728875080 DEER CREEK BELOW WEIR AT LELAND, MS

Date	Time	Sampling depth, feet (00003)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduct. wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Location in X-sect. looking dwnstrm ft from l bank (00009)	Sampler type, code (84164)	Weather WMO code (00041)
MAY												
20...	1115	2.00	70	120	760	7.3	7.1	179	24.6	--	8000	--
30...	0930	1.00	70	530	760	6.6	7.2	191	24.0	--	8000	--
JUN												
04...	1145	--	70	330	769	7.7	7.5	245	24.8	--	8000	--
10...	1645	--	70	31	767	9.9	8.5	302	28.8	--	8000	--
20...	1205	--	70	280	769	6.4	7.1	165	27.0	--	8000	--
26...	1325	1.00	70	62	760	7.9	7.4	174	29.8	--	8000	61
JUL												
02...	1250	1.00	50	39	767	8.3	8.0	231	30.8	9.00	8000	1
09...	1255	1.00	50	60	772	9.0	8.4	296	31.4	9.00	8000	1
21...	1225	1.00	50	47	767	7.0	7.5	325	31.1	9.00	8000	.0
31...	1235	1.00	70	39	770	5.8	7.6	389	29.9	--	8000	2
AUG												
08...	1120	1.00	50	41	769	7.4	7.8	381	29.9	9.00	8000	.0
15...	1130	1.00	50	27	777	7.0	7.9	474	29.3	9.00	8000	1
20...	1155	1.00	50	33	771	6.0	7.6	470	31.8	9.00	8000	1
27...	1455	1.00	50	16	769	4.4	7.7	456	30.9	9.00	8000	2

0728875090 DEER CREEK AT JIM HENSON MUSEUM AT LELAND, MS

Date	Time	Sampling depth, feet (00003)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduct. wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Location in X-sect. looking dwnstrm ft from l bank (00009)	Sampler type, code (84164)	Weather WMO code (00041)
MAY												
14...	1550	--	70	270	760	6.2	7.4	165	24.3	--	8000	--
20...	1105	2.00	70	140	760	6.7	6.9	206	24.5	--	8000	--
29...	0920	1.00	70	540	760	4.4	7.0	189	23.3	--	8000	--
JUN												
04...	1150	--	70	360	769	6.3	7.2	241	24.7	--	8000	--
10...	1655	--	70	31	767	9.7	8.5	302	29.1	--	8000	--
20...	1155	--	70	160	769	6.0	7.1	169	27.3	--	8000	--
26...	1327	1.00	70	68	760	8.1	7.4	172	30.4	--	8000	63
JUL												
02...	1300	1.00	50	75	767	9.9	8.1	232	30.3	45.0	8000	1
09...	1300	1.00	70	64	772	9.0	8.0	298	30.7	--	8000	1
21...	1230	1.00	50	26	767	7.6	7.5	320	30.8	40.0	8000	.0
31...	1240	1.00	50	45	770	5.7	7.6	390	30.0	40.0	8000	2
AUG												
08...	1125	1.00	50	48	769	7.2	7.6	375	30.2	40.0	8000	.0
15...	1140	1.00	50	32	777	6.5	7.6	478	29.2	40.0	8000	1
20...	1205	1.00	50	24	771	3.8	7.5	461	31.2	40.0	8000	1
27...	1500	1.00	50	24	769	6.2	8.0	453	31.2	40.0	8000	2

07288751 DEER CREEK AT US HIGHWAY 82 AT LELAND, MS

Date	Time	Sampling depth, feet (00003)	Sampling method, code (82398)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduct. wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Location in X-sect. looking dwnstrm ft from l bank (00009)	Sampler type, code (84164)	Weather WMO code (00041)
MAY												
20...	1055	2.00	70	110	--	7.2	6.6	185	24.5	--	8000	--
29...	0915	2.00	70	510	760	4.3	6.9	194	23.6	--	8000	--
JUN												
04...	1155	--	70	260	769	6.0	7.3	235	25.4	--	8000	1
10...	1705	--	70	31	767	9.9	8.5	301	29.1	--	8000	--
20...	1150	--	70	160	769	6.2	7.3	175	27.2	--	8000	--
26...	1330	1.00	70	59	760	8.6	7.5	172	30.4	--	8000	50
JUL												
02...	1310	1.00	50	33	767	9.7	8.5	234	31.7	27.0	8000	1
09...	1305	1.00	70	61	772	12.9	8.7	292	31.1	--	8000	1
21...	1235	1.00	50	26	767	8.4	7.6	318	31.4	40.0	8000	.0
31...	1245	1.00	50	49	770	6.0	7.6	390	30.2	40.0	8000	2
AUG												
08...	1130	1.00	50	48	769	7.9	7.7	373	30.4	40.0	8000	.0
15...	1150	1.00	50	22	777	6.5	7.8	481	29.5	40.0	8000	1
20...	1215	1.00	50	21	771	4.0	7.5	463	31.8	40.0	8000	1
27...	1510	1.00	50	29	769	6.4	8.1	449	31.3	40.0	8000	2

GROUND-WATER LEVELS

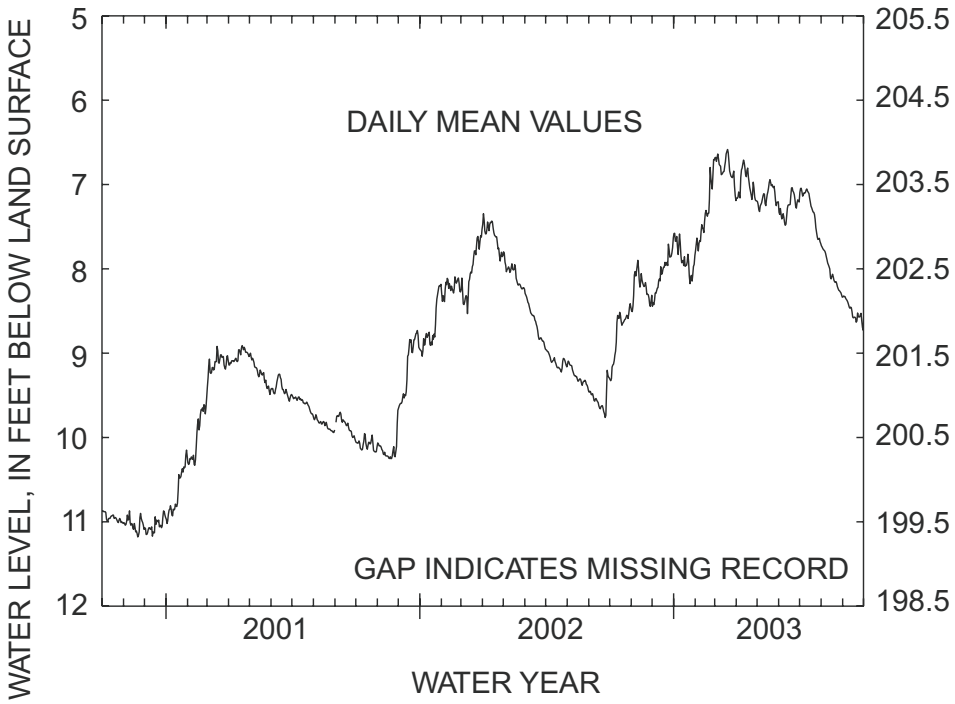
GRENADA COUNTY

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.
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 118 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 NGVD of 1929. 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 11.18 ft, Nov. 21, 2001.

WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.14	8.07	8.29	7.62	7.79	6.64	7.13	7.25	7.41	7.14	7.78	8.35
10	8.87	7.90	8.14	7.69	7.48	6.88	6.75	7.11	7.48	7.06	7.93	8.46
15	8.52	8.06	8.06	7.96	7.34	6.78	6.91	7.12	7.24	7.16	8.12	8.57
20	8.64	8.20	7.96	7.92	7.34	6.62	7.04	6.98	7.04	7.33	8.15	8.63
25	8.55	8.31	7.77	8.11	7.05	6.91	6.97	7.02	7.26	7.57	8.23	8.57
EOM	8.45	---	7.63	7.84	---	7.19	---	7.21	---	7.70	8.34	---

WTR HIGH 6.58 MAR 19 LOW 9.33 OCT 2

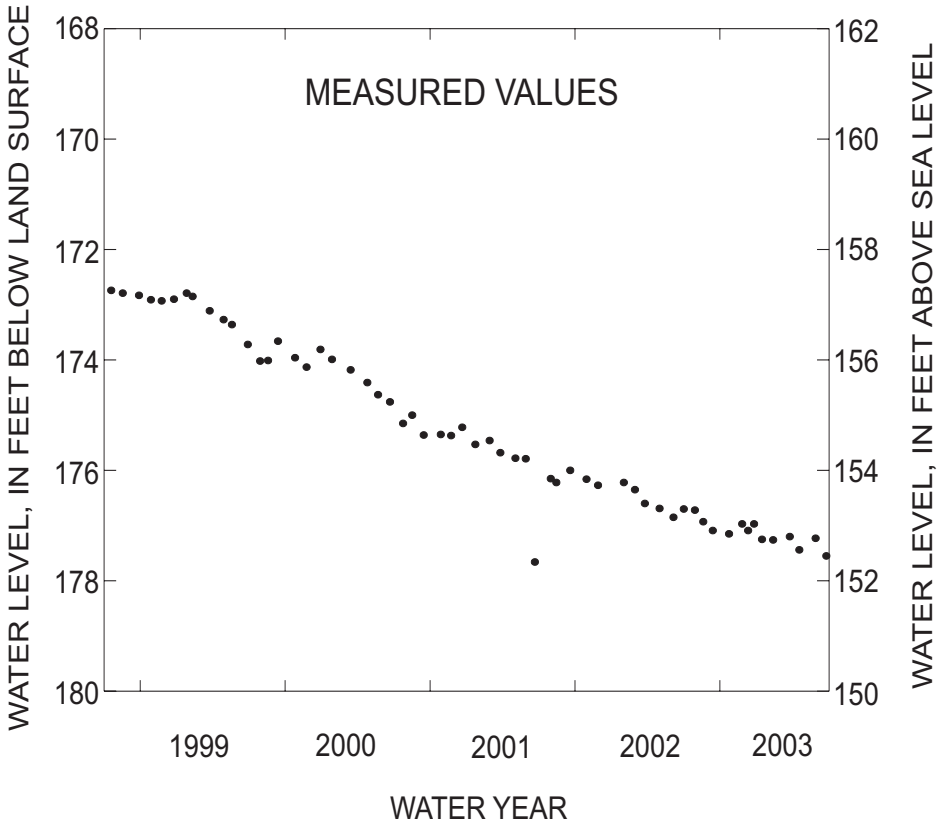


HINDS COUNTY

321957090105601. Local number, H155.
LOCATION.--Lat 32°19'51", long 90°10'58", 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.
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 NGVD of 1929. 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, 177.55 ft below land-surface datum, Sept. 23, 2003.

WATER LEVEL, IN FEET BELOW LAND-SUFRACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	176.72	DEC 12	177.09	FEB 24	176.97	MAR 26	176.97	MAY 12	177.26	JUL 17	177.44	SEP 23	177.55
NOV 18	176.93	JAN 22	177.15	MAR 11	177.09	APR 15	177.25	JUN 23	177.20	AUG 27	177.23		



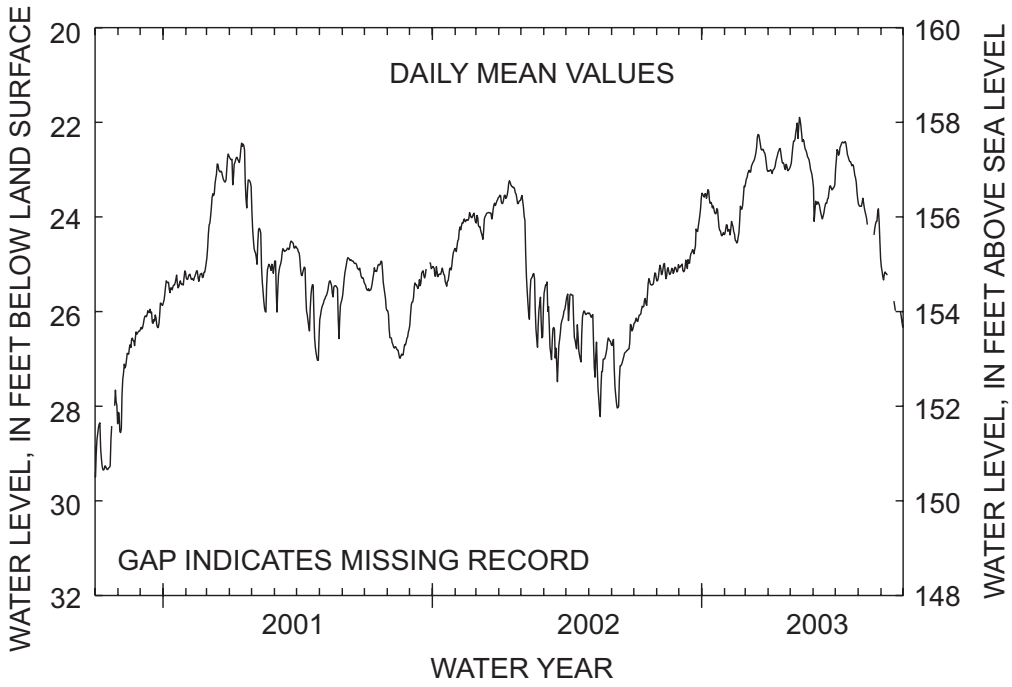
WAYNE COUNTY

3141150883923O1. 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.
AQUIFER.--Vicksburg Group 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 very 4 hours.
DATUM.--Land-surface datum is 180 ft above NGVD of 1929. 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.

WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	26.20	25.02	25.00	23.51	24.30	23.04	23.03	22.40	23.73	22.70	23.77	25.21
10	26.05	25.00	24.91	23.45	24.09	22.89	22.93	22.02	23.83	22.42	23.90	---
15	25.76	25.11	24.98	23.81	24.49	22.64	22.60	22.08	23.93	22.44	---	---
20	25.41	25.16	24.70	23.93	24.33	22.36	22.86	22.51	23.62	22.83	---	25.98
25	25.44	25.07	24.30	24.28	23.76	22.57	22.89	22.75	23.38	22.91	24.10	---
EOM	25.30	---	23.59	24.37	---	23.04	---	23.23	---	23.62	24.87	---

WTR HIGH 21.89 MAY 13 LOW 26.24 OCT 1



HINDS COUNTY

322112090195601. Local number, G059.
LOCATION.--Lat 32°21'15", long 90°20'42", 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.
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 320 ft above NGVD of 1929 (from topographic map).
Measuring point: Air vent at pump base, 2.10 ft above land-surface datum.
REMARKS.--Water level affected by length of time pump off before measurement made.
PERIOD OF RECORD.--April 1960, September 1976, October 1980, July 1986 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 192.0 ft below land-surface datum, Apr. 15, 1960, lowest measured, 249.74 ft below land-surface datum, Oct. 5, 1999.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 7	247.53	APR 15	245.50

322128090174901. Local number, G101.
LOCATION.--Lat 32°21'30", long 90°17'46", 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.
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 NGVD of 1929 (from topographic map).
Measuring point: Air vent at pump base, 2.15 ft above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--July 1984, May 1988 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 225 ft below land surface datum, July 18, 1984, lowest measured, 285.92 ft below land-surface datum, Feb. 25, 1994.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 7	275.04	APR 15	273.74

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 intersecton of Interstate 55 and Lakeland Drive at Mississippi Agriculture and Forestry Museum.
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 NGVD of 1929 (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, 148.85 ft below land-surface datum, Sep. 23, 2003.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	147.96	DEC 12	146.86	FEB 24	148.25	APR 15	148.37	JUN 23	148.28	AUG 27	148.43
NOV 18	148.54	JAN 22	148.39	MAR 26	148.31	MAY 12	148.44	JUL 17	148.58	SEP 23	148.85

321930090092501. Local number, H197.
LOCATION.--Lat 32°19'30", long 90°09'25", in SW1/4 NW1/4 NW1/4 sec. 36, T.6 N.,R.1 E., Choctaw Meridian, Hinds County. Hydrologic Unit 03180002, near intersection of Interstate 55 and Lakeland Drive at Mississippi Museum of Natural History.
AQUIFER:--Sparta Sand of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8x4 in, depth 795 ft.
DATUM.--Land-surface datum is 355 ft above NGVD of 1929.
Measuring point: Top of 2-in vent pipe, 2.40 ft above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--August 1999, June 2003 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 317 ft below land-surface datum, Aug. 1999, lowest measured, 345.80 ft below land-surface datum Jun. 25, 2003.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 25	345.80	JUL 17	334.92	AUG 29	336.81	SEP 23	337.20

321929090092601. Local number, H199.
LOCATION.--Lat 32°19'29", long 90°09'26", in SW1/4 NW1/4 NW1/4 sec. 36, T.6 N.,R.1 E., Choctaw Meridian, Hinds County. Hydrologic Unit 03180002, near intersection of Interstate 55 and Lakeland Drive at Mississippi Museum of Natural History.
AQUIFER:--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 300 ft.
DATUM.--Land-surface datum is 353 ft above NGVD of 1929 (from topographic map).
Measuring point: Top of 1/2-in vent pipe, 1.38 ft above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--April 2000, June 2003 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 210.15 ft below land-surface datum, Aug 27, 2003, lowest measured, 215.14 ft below land-surface datum Sept. 23, 2003.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 25	214.45	JUL 17	214.88	AUG 27	210.15	SEP 23	215.14

HINDS COUNTY--Continued

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 03180002, on Forest Hill Road in south Jackson.
AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in, depth 1,089 ft.
DATUM.--Land-surface datum is 360 ft above NGVD of 1929 (from topographic map).
Measuring point: Air vent at pump base, 4.10 ft above land-surface datum.
REMARS.--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, 321.25 ft below land-surface datum Sept. 23, 2003.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	317.55	DEC 16	316.51	FEB 24	317.15	APR 15	318.15	JUN 23	318.35	AUG 26	319.08
NOV 19	316.35	JAN 22	318.15	MAR 26	317.28	MAY 20	320.12	JUL 17	319.51	SEP 23	321.25

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 03180002, on Siwell Road next to fire station in south 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 NGVD of 1929 (from topograpic 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 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	296.71	DEC 16	298.03	--- --	------	APR 17	299.60	JUN 25	301.05	AUG 26	300.09
NOV 19	292.59	JAN 22	297.30	MAR 26	296.67	MAY 20	301.65	JUL 18	300.80	SEP 24	297.74

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 Meridain, Hinds County. Hydrologic Unit 03180002, southeast corner of Mississippi State Fairgrounds off Jefferson Street.
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 NGVD of 1929 (from topographic map).
Measuring point: Top of 4-in casing, 1.00 ft above land-surface datum.
PERIOD OF RECORD.--June 1986 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 99.01 ft below land-surface datum, June 6, 1986, lowest measured 112.13 ft below land-surface datum, Sept. 23, 2003.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	111.27	DEC 12	111.86	FEB 19	111.51	APR 15	110.80	JUN 23	111.59	AUG 27	112.06
NOV 18	111.59	DEC 18	111.63	MAR 26	111.48	MAY 12	111.85	JUL 17	111.87	SEP 23	112.13

320554090173902. Local number, V033.
LOCATION.--Lat 32°05'54", long 90°17'41", 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.
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 NGVD of 1929 (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, 200.58 ft below land-surface datum, Oct.17, 2003.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	200.58	APR 15	194.11

MADISON COUNTY

322415090085001. Local number, V029.
LOCATION.--Lat 32°24'21", long 90°09'46", 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.
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 NGVD of 1929 (from topographic map).
Measuring point: 3/4-in air vent, 2.00 ft above land-surface datum.
PERIOD OF RECORD.--June 1969, July 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 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	316.89	--- --	------	FEB 24	316.11	APR 16	315.82	JUN 23	317.30	AUG 27	321.32
NOV 18	316.15	JAN 22	317.85	MAR 26	315.98	MAY 20	316.72	JUL 17	318.20	SEP 23	320.83

MADISON COUNTY--Continued

322627090062401. Local number, W005.
LOCATION.--Lat 32°26'36", long 90°06'25", in SE1/4 SE1/4 sec.17, T.7 N., R.2 E., Choctaw Meridian, Madison County. Hydrologic Unit 03180002, 1 mi southeast of center of Madison near Bruce Campbell Airport.
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 318 ft above NGVD of 1929 (from topographic map).
Measuring point: Top of concrete base 0.50 ft or hole in plate on well head (since Apr. 24, 1961) at land-surface datum.
REMARKS.--Water levels affectd 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 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 7	211.57	APR 15	195.19

322514090080901. Local number, W069.
LOCATION.--Lat 32°25'14", 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.
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 NGVD of 1929 (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 affectd 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, 333.17 ft below land-surface datum, Sept.24, 2003.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	325.00	DEC 16	319.94	FEB 24	321.67	APR 16	322.05	JUN 25	327.85	AUG 27	329.56
NOV 18	324.70	JAN 22	317.86	MAR 21	316.27	MAY 20	324.56	JUL 18	330.35	SEP 24	333.17

322702090082301. Local number, W074.
LOCATION.--Lat 32°27'02", long 90°08'26", 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.
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 390 ft above NGVD of 1929 (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, 345.80 below land-surface datum, Apr.16, 2003.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 8	345.64	APR. 16	345.80

RANKIN COUNTY

322249089582101. Local number, G043.
LOCATION.--Lat 32°22'50", long 89°59'15", in SE1/4 NE1/4 sec.9, T.6 N., R.3 E., Choctaw Meridian, Rankin County. Hydrologic Unit 03180002, 7.4 mi north of Brandon on Spillway road.
AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16 in, depth 1,170 ft.
DATUM.--Land-surface datum is 307 ft above NGVD of 1929 (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 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	235.48	APR 15	229.98

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.
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 NGVD of 1929.
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 243.37 ft below land-surface datum, Oct. 8, 2002.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 8	243.37	APR 16	238.63

RANKIN COUNTY--Continued

321423090045501. Local number. K073.
LOCATION.--Lat 32°14'25", long 90°04'48", in SW1/4 SE1/4 sec. 27, T.5 N., R.2 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, near intersecton of State Highway 468 and Airport Road at Whitfield.
AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10-in casing, 10-in screen, depth 789 ft.
DATUM.--Land-surface datum is 305 ft above NGVD of 1929.
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 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	201.27	DEC 16	200.68	FEB 24	200.29	APR 15	197.84	JUN 23	199.68	AUG 27	201.09
NOV 18	201.66	JAN 22	199.92	MAR 26	200.13	MAY 12	199.63	JUL 17	200.24	SEP 23	201.26

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
124TLLT	Tallahatta Formation, Eocene
124MUWX	Meridian-Upper Wilcox aquifer, Eocene
124WLCXM	Middle Wilcox aquifer, Eocene
124WLCXL	Lower Wilcox aquifer, Eocene
211RPLY	Ripley Formation, Upper Cretaceous
211COFF	Coffee Sand, Upper Cretaceous
211EUTW	Eutaw Formation, Upper Cretaceous
211EUTWR	Eutaw Formation (restricted), Upper Cretaceous
211EUTWL	Lower Eutaw Formation, Upper Cretaceous
211MCSN	McShan Formation, Upper Cretaceous
211GORD	Gordo Formation, Upper Cretaceous
211COKR	Coker Formation, Upper Cretaceous
211MSSV	Massive Sand, Upper Cretaceous
300PLZC	Paleozoic Erathem, Paleozoic
331TCMB	Tuscumbia Limestone, Upper Mississippian
337FRPN	Fort Payne Chert, Lower Mississippian

HARRISON COUNTY

WATER QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

303541089185801 A0047 HARRISON

Date	Time	Geo-logic unit	Depth of well, feet below LSD (72008)	Alti-tude of land surface feet (72000)	Flow rate, instan-taneous gal/min (00059)	Pump or flow period prior to sam-pling, minutes (72004)	Color, water, fltrd, Pt-Co units (00080)	Sam-pling method, code (82398)	Well purging condi-tion, code (84143)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)
APR 07...	1230	121GRMF	410.00	140.	10.0	15	<5	4090	120	8.0	233	5.40

Date	Residue on evap. at 180degC wat flt mg/L (70300)	Iron, water, fltrd, ug/L (01046)	Mangan-ese, water, fltrd, ug/L (01056)	Sample source, code (72005)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
APR 07...	134	7	31	27.00	4090	8.00

303546089190901 A0049 HARRISON

Date	Time	Geo-logic unit	Depth of well, feet below LSD (72008)	Alti-tude of land surface feet (72000)	Flow rate, instan-taneous gal/min (00059)	Pump or flow period prior to sam-pling, minutes (72004)	Color, water, fltrd, Pt-Co units (00080)	Sam-pling method, code (82398)	Well purging condi-tion, code (84143)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)
APR 07...	1140	121GRMF	220.00	140.	10.0	10	<5	4090	120	7.1	104	3.60

Date	Residue on evap. at 180degC wat flt mg/L (70300)	Iron, water, fltrd, ug/L (01046)	Mangan-ese, water, fltrd, ug/L (01056)	Sample source, code (72005)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
APR 07...	109	580	53	27.00	4090	8.00

303724089200001 A0056 HARRISON

Date	Time	Geo-logic unit	Depth of well, feet below LSD (72008)	Alti-tude of land surface feet (72000)	Flow rate, instan-taneous gal/min (00059)	Pump or flow period prior to sam-pling, minutes (72004)	Color, water, fltrd, Pt-Co units (00080)	Sam-pling method, code (82398)	Well purging condi-tion, code (84143)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)
APR 07...	1105	121GRMF	184.00	200.	10.0	5	<5	4090	120	6.9	99	4.20

Date	Residue on evap. at 180degC wat flt mg/L (70300)	Iron, water, fltrd, ug/L (01046)	Mangan-ese, water, fltrd, ug/L (01056)	Sample source, code (72005)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
APR 07...	130	38	9	27.00	4090	8.00

Remark codes:
< -- Less than

HARRISON COUNTY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

303746089033501 C0292 HARRISON

Date	Time	Geo-logic unit	Depth of well, feet below LSD (72008)	Alti-tude of land surface feet (72000)	Flow rate, instan-taneous gal/min (00059)	Pump or flow period prior to sam-pling, minutes (72004)	Color, water, fltrd, Pt-Co units (00080)	Sam-pling method, code (82398)	Well purging condi-tion, code (84143)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)
APR 09...	1330	122PCGL	515.00	230.	10.0	40	<5	4090	120	--	--	3.20

Date	Residue on evap. at 180degC wat flt mg/L (70300)	Iron, water, fltrd, ug/L (01046)	Mangan-ese, water, fltrd, ug/L (01056)	Sample source, code (72005)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
APR 09...	92	4550	382	27.00	4090	8.00

303651089063401 C0327 HARRISON

Date	Time	Geo-logic unit	Depth of well, feet below LSD (72008)	Alti-tude of land surface feet (72000)	Flow rate, instan-taneous gal/min (00059)	Pump or flow period prior to sam-pling, minutes (72004)	Color, water, fltrd, Pt-Co units (00080)	Sam-pling method, code (82398)	Well purging condi-tion, code (84143)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)
APR 09...	1420	122PCGL	810.00	95.	10.0	40	40	4090	120	9.2	422	2.40

Date	Residue on evap. at 180degC wat flt mg/L (70300)	Iron, water, fltrd, ug/L (01046)	Mangan-ese, water, fltrd, ug/L (01056)	Sample source, code (72005)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
APR 09...	252	4	4	27.00	4090	8.00

303813088530801 D0045 HARRISON

Date	Time	Geo-logic unit	Depth of well, feet below LSD (72008)	Alti-tude of land surface feet (72000)	Flow rate, instan-taneous gal/min (00059)	Pump or flow period prior to sam-pling, minutes (72004)	Color, water, fltrd, Pt-Co units (00080)	Sam-pling method, code (82398)	Well purging condi-tion, code (84143)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)
APR 09...	1025	122PCGL	620.00	90.	10.0	15	<5	4090	120	8.6	262	2.30

Date	Residue on evap. at 180degC wat flt mg/L (70300)	Iron, water, fltrd, ug/L (01046)	Mangan-ese, water, fltrd, ug/L (01056)	Sample source, code (72005)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
APR 09...	169	2	4	27.00	4090	8.00

Remark codes:
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HARRISON COUNTY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

303402088555001 D0047 HARRISON

Date	Time	Geo-logic unit	Depth of well, feet below LSD (72008)	Alti-tude of land surface feet (72000)	Flow rate, instan-taneous gal/min (00059)	Pump or flow period prior to sam-pling, minutes (72004)	Color, water, fltrd, Pt-Co units (00080)	Sam-pling method, code (82398)	Well purging condi-tion, code (84143)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)
APR 09...	0830	121GRMF	300.00	80.	10.0	15	<5	4040	120	7.9	207	3.00

Date	Residue on evap. at 180degC wat flt mg/L (70300)	Iron, water, fltrd, ug/L (01046)	Mangan-ese, water, fltrd, ug/L (01056)	Sample source, code (72005)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
APR 09...	166	151	54	26.00	4040	8.00

303612089012901 D0049 HARRISON

Date	Time	Geo-logic unit	Depth of well, feet below LSD (72008)	Alti-tude of land surface feet (72000)	Flow rate, instan-taneous gal/min (00059)	Pump or flow period prior to sam-pling, minutes (72004)	Color, water, fltrd, Pt-Co units (00080)	Sam-pling method, code (82398)	Well purging condi-tion, code (84143)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)
APR 09...	1155	121GRMF	92.00	200.	10.0	20	<5	4090	120	7.9	57	3.60

Date	Residue on evap. at 180degC wat flt mg/L (70300)	Iron, water, fltrd, ug/L (01046)	Mangan-ese, water, fltrd, ug/L (01056)	Sample source, code (72005)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
APR 09...	31	3	10	27.00	4090	8.00

303820088543601 D0052 HARRISON

Date	Time	Geo-logic unit	Depth of well, feet below LSD (72008)	Alti-tude of land surface feet (72000)	Flow rate, instan-taneous gal/min (00059)	Pump or flow period prior to sam-pling, minutes (72004)	Color, water, fltrd, Pt-Co units (00080)	Sam-pling method, code (82398)	Well purging condi-tion, code (84143)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)
APR 09...	0940	121GRMF	277.00	100.	10.0	15	<5	4090	120	--	27	3.10

Date	Residue on evap. at 180degC wat flt mg/L (70300)	Iron, water, fltrd, ug/L (01046)	Mangan-ese, water, fltrd, ug/L (01056)	Sample source, code (72005)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
APR 09...	16	4	2	27.00	4090	8.00

Remark codes:
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HARRISON COUNTY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

303235089182501 E0105 HARRISON

Date	Time	Geo-logic unit	Depth of well, feet below LSD (72008)	Alti-tude of land surface feet (72000)	Flow rate, instan-taneous gal/min (00059)	Pump or flow period prior to sam-pling, minutes (72004)	Color, water, fltrd, Pt-Co units (00080)	Sam-pling method, code (82398)	Well purging condi-tion, code (84143)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)
APR 07...	1320	121GRMF	245.00	95.	10.0	10	<5	4090	120	7.6	172	3.60

Date	Residue on evap. at 180degC wat flt mg/L (70300)	Iron, water, fltrd, ug/L (01046)	Mangan-ese, water, fltrd, ug/L (01056)	Sample source, code (72005)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
APR 07...	131	113	70	27.00	4090	8.00

302844089192001 E0109 HARRISON

Date	Time	Geo-logic unit	Depth of well, feet below LSD (72008)	Alti-tude of land surface feet (72000)	Flow rate, instan-taneous gal/min (00059)	Pump or flow period prior to sam-pling, minutes (72004)	Color, water, fltrd, Pt-Co units (00080)	Sam-pling method, code (82398)	Well purging condi-tion, code (84143)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)
APR 07...	1420	121CRNL	84.00	135.	10.0	15	<5	4090	120	--	25	3.40

Date	Residue on evap. at 180degC wat flt mg/L (70300)	Iron, water, fltrd, ug/L (01046)	Mangan-ese, water, fltrd, ug/L (01056)	Sample source, code (72005)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
APR 07...	20	70	7	27.00	4090	8.00

302910089153401 E0119 HARRISON

Date	Time	Geo-logic unit	Depth of well, feet below LSD (72008)	Alti-tude of land surface feet (72000)	Flow rate, instan-taneous gal/min (00059)	Pump or flow period prior to sam-pling, minutes (72004)	Color, water, fltrd, Pt-Co units (00080)	Sam-pling method, code (82398)	Well purging condi-tion, code (84143)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)
APR 07...	1500	121GRMF	470.00	95.	10.0	15	<5	4090	120	6.8	176	3.40

Date	Residue on evap. at 180degC wat flt mg/L (70300)	Iron, water, fltrd, ug/L (01046)	Mangan-ese, water, fltrd, ug/L (01056)	Sample source, code (72005)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
APR 07...	136	721	160	27.00	4090	8.00

Remark codes:
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HARRISON COUNTY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

303124089542501 H0288 HARRISON

Date	Time	Geo-logic unit	Depth of well, feet below LSD (72008)	Alti-tude of land surface feet (72000)	Flow rate, instan-taneous gal/min (00059)	Pump or flow period prior to sam-pling, minutes (72004)	Color, water, fltrd, Pt-Co units (00080)	Sam-pling method, code (82398)	Well purging condi-tion, code (84143)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)
APR 08...	0805	122PCGL	537.00	35.	10.0	15	<5	4090	120	9.1	302	8.20

Date	Residue on evap. at 180degC wat flt mg/L (70300)	Iron, water, fltrd, ug/L (01046)	Mangan-ese, water, fltrd, ug/L (01056)	Sample source, code (72005)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
APR 08...	191	2	2	27.00	4090	8.00

303217088570401 H0291 HARRISON

Date	Time	Geo-logic unit	Depth of well, feet below LSD (72008)	Alti-tude of land surface feet (72000)	Flow rate, instan-taneous gal/min (00059)	Pump or flow period prior to sam-pling, minutes (72004)	Color, water, fltrd, Pt-Co units (00080)	Sam-pling method, code (82398)	Well purging condi-tion, code (84143)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)
APR 08...	0915	122PCGL	640.00	50.	10.0	15	<5	4090	120	9.2	283	6.60

Date	Residue on evap. at 180degC wat flt mg/L (70300)	Iron, water, fltrd, ug/L (01046)	Mangan-ese, water, fltrd, ug/L (01056)	Sample source, code (72005)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
APR 08...	181	2	3	27.00	4090	8.00

302930088543401 H0302 HARRISON

Date	Time	Geo-logic unit	Depth of well, feet below LSD (72008)	Alti-tude of land surface feet (72000)	Flow rate, instan-taneous gal/min (00059)	Pump or flow period prior to sam-pling, minutes (72004)	Color, water, fltrd, Pt-Co units (00080)	Sam-pling method, code (82398)	Well purging condi-tion, code (84143)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)
APR 08...	1240	122PCGL	745.00	30.	10.0	15	10	4090	120	8.8	--	43.0

Date	Residue on evap. at 180degC wat flt mg/L (70300)	Iron, water, fltrd, ug/L (01046)	Mangan-ese, water, fltrd, ug/L (01056)	Sample source, code (72005)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
APR 08...	291	<2	12	27.00	4090	8.00

Remark codes:
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HARRISON COUNTY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

303052088561001 H0308 HARRISON

Date	Time	Geo-logic unit	Depth of well, feet below LSD (72008)	Alti-tude of land surface feet (72000)	Flow rate, instan-taneous gal/min (00059)	Pump or flow period prior to sam-pling, minutes (72004)	Color, water, fltrd, Pt-Co units (00080)	Sam-pling method, code (82398)	Well purging condi-tion, code (84143)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)
APR 08...	1340	122PCGL	882.00	89.	10.0	15	30	4040	120	8.5	309	7.10

Date	Residue on evap. at 180degC wat flt mg/L (70300)	Iron, water, fltrd, ug/L (01046)	Mangan-ese, water, fltrd, ug/L (01056)	Sample source, code (72005)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
APR 08...	183	54	33	27.00	4040	8.00

303237088552401 H0321 HARRISON

Date	Time	Geo-logic unit	Depth of well, feet below LSD (72008)	Alti-tude of land surface feet (72000)	Flow rate, instan-taneous gal/min (00059)	Pump or flow period prior to sam-pling, minutes (72004)	Color, water, fltrd, Pt-Co units (00080)	Sam-pling method, code (82398)	Well purging condi-tion, code (84143)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)
APR 08...	1000	121GRMF	330.00	70.	10.0	45	<5	4090	120	8.4	308	13.0

Date	Residue on evap. at 180degC wat flt mg/L (70300)	Iron, water, fltrd, ug/L (01046)	Mangan-ese, water, fltrd, ug/L (01056)	Sample source, code (72005)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
APR 08...	214	7	4	27.00	4090	8.00

302741089124001 K0324 HARRISON

Date	Time	Geo-logic unit	Depth of well, feet below LSD (72008)	Alti-tude of land surface feet (72000)	Flow rate, instan-taneous gal/min (00059)	Pump or flow period prior to sam-pling, minutes (72004)	Color, water, fltrd, Pt-Co units (00080)	Sam-pling method, code (82398)	Well purging condi-tion, code (84143)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)
APR 10...	1305	122PCGL	950.00	100.	10.0	15	<5	4090	120	8.6	372	2.20

Date	Residue on evap. at 180degC wat flt mg/L (70300)	Iron, water, fltrd, ug/L (01046)	Mangan-ese, water, fltrd, ug/L (01056)	Sample source, code (72005)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
APR 10...	218	<2	<1	27.00	4090	8.00

Remark codes:
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HARRISON COUNTY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

302809089123401 K0370 HARRISON

Date	Time	Geo-logic unit	Depth of well, feet below LSD (72008)	Alti-tude of land surface feet (72000)	Flow rate, instan-taneous gal/min (00059)	Pump or flow period prior to sam-pling, minutes (72004)	Color, water, fltrd, Pt-Co units (00080)	Sam-pling method, code (82398)	Well purging condi-tion, code (84143)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)
APR 10...	1405	122PCGL	680.00	110.	10.0	15	<5	4040	120	8.1	206	3.60

Date	Residue on evap. at 180degC wat flt mg/L (70300)	Iron, water, fltrd, ug/L (01046)	Mangan-ese, water, fltrd, ug/L (01056)	Sample source, code (72005)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
APR 10...	153	50	228	27.00	4040	8.00

302605089062101 L0729 HARRISON

Date	Time	Geo-logic unit	Depth of well, feet below LSD (72008)	Alti-tude of land surface feet (72000)	Flow rate, instan-taneous gal/min (00059)	Pump or flow period prior to sam-pling, minutes (72004)	Color, water, fltrd, Pt-Co units (00080)	Sam-pling method, code (82398)	Well purging condi-tion, code (84143)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)
APR 10...	0925	122PCGL	805.00	25.	30.0	10	<5	4030	120	8.1	270	2.80

Date	Residue on evap. at 180degC wat flt mg/L (70300)	Iron, water, fltrd, ug/L (01046)	Mangan-ese, water, fltrd, ug/L (01056)	Sample source, code (72005)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
APR 10...	185	10	54	27.00	4035	8.00

302557088530301 M0266 HARRISON

Date	Time	Geo-logic unit	Depth of well, feet below LSD (72008)	Alti-tude of land surface feet (72000)	Flow rate, instan-taneous gal/min (00059)	Pump or flow period prior to sam-pling, minutes (72004)	Color, water, fltrd, Pt-Co units (00080)	Sam-pling method, code (82398)	Well purging condi-tion, code (84143)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)
APR 10...	1530	122PCGL	1240.00	11.	5.0	20	50	4100	120	9.7	1890	420

Date	Residue on evap. at 180degC wat flt mg/L (70300)	Iron, water, fltrd, ug/L (01046)	Mangan-ese, water, fltrd, ug/L (01056)	Sample source, code (72005)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
APR 10...	952	<2	2	1.00	4100	4.00

Remark codes:
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HARRISON COUNTY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--Continued

302336088583201 M0740 HARRISON

Date	Time	Geo-logic unit	Depth of well, feet below LSD (72008)	Alti-tude of land surface feet (72000)	Flow rate, instan-taneous gal/min (00059)	Pump or flow period prior to sam-pling, minutes (72004)	Color, water, fltrd, Pt-Co units (00080)	Sam-pling method, code (82398)	Well purging condi-tion, code (84143)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Chlor-ide, water, fltrd, mg/L (00940)
APR 10...	0755	121GRMF	503.00	20.	10.0	20	<5	4040	120	8.5	337	3.00

Date	Residue on evap. at 180degC wat flt mg/L (70300)	Iron, water, fltrd, ug/L (01046)	Mangan-ese, water, fltrd, ug/L (01056)	Sample source, code (72005)	Sampler type, code (84164)	Sam-pling condi-tion, code (72006)
APR 10...	212	27	2	27.00	4040	8.00

Remark codes:
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SHARKEY COUNTY

WATER QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

325338090505503 F0026 SHARKEY

Date	Time	Ending time	Field sample comment	Depth of well, feet below LSD (72008)	Altitude of land surface feet (72000)	Color, water, fltrd, Pt-Co units (00080)	Sampling method, code (82398)
JAN 08-21	1040	1010	Interstitial H2O from deposits overlying 112MRVA	19.90	95.	5	8010
JAN 21-FEB 12	1010	1020	Interstitial H2O from deposits overlying 112MRVA	19.90	95.	--	8010

Date	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)
JAN 08-21	8.1	4360	398	162	6.20	560	709	160	.3	51.0	1940	4000
JAN 21-FEB 12	--	--	--	--	--	--	--	--	--	--	--	--

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Strontium, water, fltrd, ug/L (01080)	Tritium 2-sigma water unfltrd pCi/L (75985)	Tritium water unfltrd pCi/L (07000)	Sample source, code (72005)	Sampler type, code (84164)	Sampling condition, code (72006)
JAN 08-21	1.70	3200	--	--	74.00	8010	30.00
JAN 21-FEB 12	--	--	.58	1.1	74.00	8010	30.00

325338090505504 F0027 SHARKEY

Date	Time	Ending time	Field sample comment	Depth of well, feet below LSD (72008)	Altitude of land surface feet (72000)	Color, water, fltrd, Pt-Co units (00080)	Sampling method, code (82398)
JAN 08-21	1020	0955	Interstitial H2O from deposits onerlying 112MRVA	12.00	95.	5	8010
JAN 21-FEB 12	0955	1025	Interstitial H2O from deposits overlying 112MRVA	12.00	95.	--	8010

Date	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)
JAN 08-21	7.9	5350	592	208	3.10	550	463	390	<.4	50.0	2370	4970
JAN 21-FEB 12	--	--	--	--	--	--	--	--	--	--	--	--

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Strontium, water, fltrd, ug/L (01080)	Tritium 2-sigma water unfltrd pCi/L (75985)	Tritium water unfltrd pCi/L (07000)	Sample source, code (72005)	Sampler type, code (84164)	Sampling condition, code (72006)
JAN 08-21	1.90	3380	--	--	74.00	8010	30.00
JAN 21-FEB 12	--	--	.58	2.9	74.00	8010	30.00

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Conversion Factors

Multiply	By	To obtain
	Length	
inch (in.)	2.54×10^{1}	millimeter (mm)
	2.54×10^{-2}	meter
foot (ft)	3.048×10^{-1}	meter (m)
mile (mi)	1.609×10^{0}	kilometer (km)
	Area	
acre	4.047×10^{3}	square meter (m^2)
	4.047×10^{-1}	square hectometer (hm^2)
	4.047×10^{-3}	square kilometer (km^2)
square mile (mi^2)	2.590×10^{0}	square kilometer (km^2)
	Volume	
gallon (gal)	3.785×10^{0}	liter (L)
	3.785×10^{-3}	cubic meter (m^3)
	3.785×10^{0}	cubic decimeter (dm^3)
million gallons (Mgal)	3.785×10^{3}	cubic meter (m^3)
	3.785×10^{-3}	cubic hectometer (hm^3)
cubic foot (ft^3)	2.832×10^{-2}	cubic meter (m^3)
	2.832×10^{1}	cubic decimeter (dm^3)
cubic-foot-per-second-per-day [(ft^3/s/d]	2.447×10^{3}	cubic meter (m^3)
	2.447×10^{-3}	cubic hectometer (hm^3)
acre-foot (acre-ft)	1.223×10^{3}	cubic meter (m^3)
	1.223×10^{-3}	cubic hectometer (hm^3)
	1.223×10^{-6}	cubic kilometer (km^3)
	Flow rate	
cubic foot per second (ft^3/s)	2.832×10^{1}	liter (L/s)
	2.832×10^{-2}	cubic meter per second (m^3/s)
	2.832×10^{1}	cubic decimeter per second (dm^3/s)
gallon per minute (gal/min)	6.309×10^{-2}	liter per second (L/s)
	6.309×10^{-5}	cubic meter per second (m^3/s)
	6.309×10^{-2}	cubic decimeter per second (dm^3/s)
million gallons per day (Mgal/d)	4.381×10^{-2}	cubic meter per second
	4.381×10^{1}	cubic decimeter per second (dm^3/s)
	Mass	
ton, short (2,000 lb)	9.072×10^{-1}	megagram (Mg) or metric ton

Temperature in degrees Celsius (°C) may be converted to degrees Fahrenheit (°F) as follows:

$$°F = (1.8 \times °C) + 32$$

USGS

Morris III, Runner, and Storm—**Water Resources Data, Mississippi, Water Year 2003**—MS-03-1