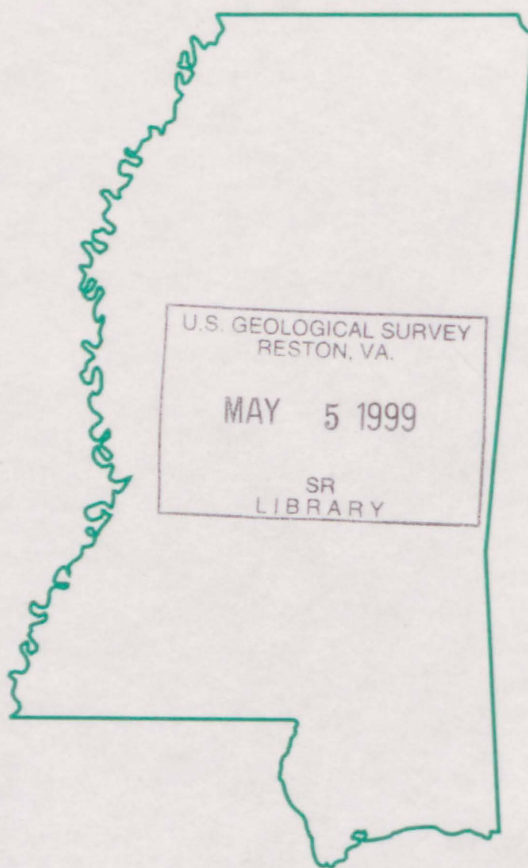


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Water Resources Data Mississippi Water Year 1995



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT MS-95-1
Prepared in cooperation with the Mississippi Department of
Environmental Quality and with other State, county,
municipal, and Federal agencies

CALENDAR FOR WATER YEAR 1995

1994

[illegible]

1995

JANUARY							FEBRUARY							MARCH						
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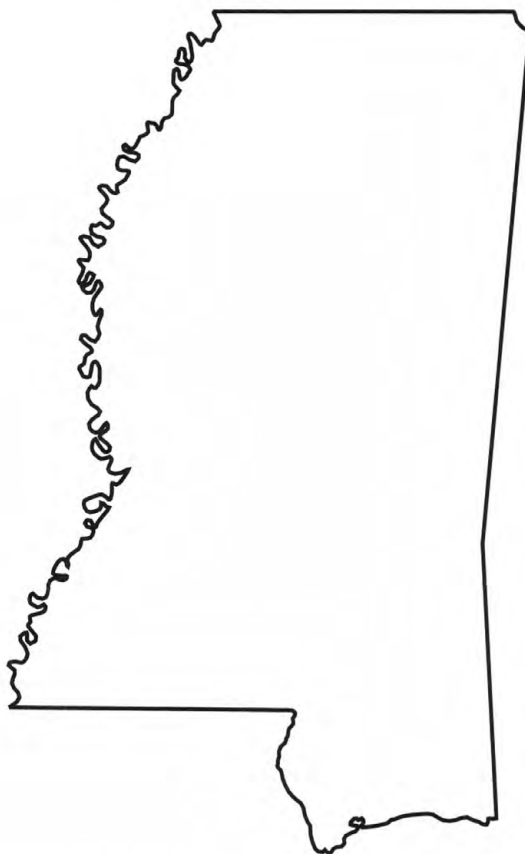
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30	31																			



Water Resources Data Mississippi Water Year 1995

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



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT MS-95-1
Prepared in cooperation with the Mississippi Department of
Environmental Quality and with other State, county,
municipal, and Federal agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

BRUCE BABBITT, Secretary

GEOLOGICAL SURVEY

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the water program in Mississippi
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District Chief, Water Resources Division
U.S. Geological Survey
308 S. Airport Road
Pearl, Mississippi 39208

1996

PREFACE

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

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

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

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13. ABSTRACT (Maximum 200 words) Water resources data for the 1995 water year for Mississippi consist of records of surface water and ground water in the State. Specifically, it contains: (1) Discharge records for 86 streamflow-gaging stations, stage records for 20 of these gaging stations, discharge records for 80 partial-record or miscellaneous streamflow stations, including 8 flood hydrograph partial-record stations, 54 crest-stage partial-record stations, and 18 special study and miscellaneous sites; (2) stage only at 6 gaging stations; (3) water-quality records for 22 streamflow-gaging stations, 1 ungaged stream site, 9 partial-record or miscellaneous sites, 50 short-term study sites, and 72 wells; and (4) water-level records for 47 observation wells. Records obtained from water-resources investigations are also included in special sections of the report. These data represent that part of the National Water Data System operated by the U.S. Geological Survey, and cooperating local, State, and Federal agencies in Mississippi.				
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vi SURFACE-WATER STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME

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

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DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

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

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

Discontinued surface-water discharge or stage-only stations

Station name	Station number	Drainage area (mi ²)	Period of record
MOBILE RIVER BASIN			
Little Brown Cr near New Site, MS (d)	02429949	42.2	1973-89
Mackeys Cr near Dennis, MS (d)	02430000	66.9	1938-80
Mackeys Cr Bl Bay Springs Lock and Dam, MS (d)	02430012	68.2	1980-83
Rock Cr near Belmont, MS (d)	02430038	9.0	1975-80
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
Chuquatonchee Cr near West Point, MS (d)	02440500*	505.0	1944-73
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 near Waynesboro, MS (d)	02477500	1650.0	1939-50
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 Lyman, MS (d)	02481500	253.0	1945-48
JOURDAN RIVER BASIN			
Catahoula Cr near Santa Rosa, MS (d)	02481570	155.0	1962-66

Discontinued surface-water discharge or stage-only stations

Station name	Station number	Drainage area (mi ²)	Period of record
PEARL RIVER BASIN			
Lobutch 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
Strong at D'Lo, MS (d)	02487500*	425.0	1928-71
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
Pearl R near Columbia, MS (d)	02489000	5720.0	1928-54
Lower Little Cr near Baxterville, MS (d)	02489240	81.5	1961-70
West Hobolochitto Cr near McNeill, MS (d)	02492360*	175.0	1965-68
TENNESSEE RIVER BASIN			
Yellow Cr near Doskie, MS (d)	03592800	143.0	1938-59 1973-78
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
Little Tallahatchie R at Batesville, MS (d)	07273500	1750.0	1907-13
Yocona R at Enid Dam, MS (d)	07275000	560.0	1928-80
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
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
Tallahatchie 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
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
Big Sunflower R at Clarksdale, MS (d)	07288000	108.0	1937-42
Big Sunflower R at Sunflower, MS (d)	07288500	767.0	1936-80
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

WATER RESOURCES DATA FOR MISSISSIPPI, 1995

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	k,h,t,o	1973-80
			n	1975-80
			s	1978-80
Mackeys Creek below Bay Springs Lock & Dam, MS	02430012	68.2	k	1980, 1982-83
			h,t	1980-83
			n,o	1980-82
			s	1980, 1982
Mackeys Creek near Moores Mill, MS	02430100	118	k,h,t,o	1983-84
PASCAGOULA RIVER BASIN				
Okatoma Creek at Saratoga, MS	02472580	88.2	k	1970-71
Leaf River near Palmer, MS	02473260	1,809	k	1971-75
			t	1971-72
Chickasawhay River at Enterprise, MS	02477000	918	k	1971-73
Pascagoula River at Merrill, MS	02479000	6,590	k	1970-75
			t	1970-72
Pascagoula River near Benndale, MS	02479020 *	6,680	k	1976-81
			t	1958-60, 1976-81
Red Creek near Carnes, MS	024791834	99.5	k,t	1985-86
WOLF RIVER BASIN				
Wolf River near Landon, MS	02481510	308	k,t	1978-81
PEARL RIVER BASIN				
Pearl River at Jackson, MS	02486000	3,171	t	1963-64
Pearl River near Monticello, MS	02488500	4,993	k,t	1966-69
Bogue Chitto near Tylertown, MS	02490500	492	k	1968-69
TENNESSEE RIVER BASIN				
Yellow Creek near Doskie, MS	03592800	143	k,h,t,o	1973-78
			n	1976-78
Tenn-Tom Waterway at Cross Roads, MS	03592824	-	k,h,t,n,o	1980-85
			s	1981-85
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
Otoulalofa Creek Canal near Water Valley, MS	07274252 *	97.1	k,t,o	1985-87
			h	1986-87
Peters (Long) Creek near Pope, MS	07275530 *	79.2	k,h,t	1987
Hickahala Creek near Senatobia, MS	07277700 *	121	k,h,t,o	1986-90
Senatobia Creek near Senatobia, MS	07277730 *	82.0	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
Batupan Bogue at Grenada, MS	07285400 *	240	k,h,t,o	1985-87
Yazoo River near Shell Bluff, MS	07287120	7,650	k,t	1976-81
Fannegusha Creek near Howard, MS	07287355 *	107	s	1987-89
Harland Creek near Howard, MS	07287404 *	62.1	k,h,t,o	1987
Yazoo River at Redwood, MS	07288800	12,603	k,t	1978-81
MISSISSIPPI RIVER MAIN STEM				
Mississippi River at Vicksburg, MS	07289000	1,140,500	k	1975-93
			t	1974-93
BIG BLACK RIVER BASIN				
Big Black River near Bovina, MS	07290000	2,812	k,t	1975-81
HOMOCHITTO RIVER BASIN				
Homochitto River at Rosetta, MS	07292500	787	k,t	1975-81

INTRODUCTION

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

This report includes records of surface water and ground water in the State. Specifically, it contains: (1) Discharge records for 86 streamflow-gaging stations, stage records for 20 of these gaging stations, discharge records for 80 partial-record or miscellaneous streamflow stations, including 8 flood hydrograph partial-record stations, 54 crest-stage partial-record stations and 18 special study and miscellaneous sites, (2) stage only at 6 gaging stations, (3) water-quality records for 22 streamflow-gaging stations, 1 ungaged streamsite, 9 partial-record or miscellaneous sites, 48 short-term study sites, and 72 wells, and (4) water-level records for 47 observation wells. Records obtained from water-resources investigations are also included in special sections of the report. Records included for stream stages are only a small fraction of those obtained during the water year.

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

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

Publications similar to this report are published annually by the Geological Survey for all States. These official Survey reports have an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report MS-95-1." For archiving and general distribution, the reports for 1971-74 water years also are identified as water-data reports. These water-data reports are for sale in paper copy or in microfiche by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

COOPERATION

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

Mississippi Department of Environmental Quality, James I. Palmer, Jr., Executive Director.
 Office of Land and Water Resources, Charles T. Branch, Director.
 Office of Pollution Control, Charles H. Chisolm, Director.
 Mississippi Department of Transportation, Robert L. Robinson, Executive Director.
 Mississippi Department of Agriculture and Commerce, Robert McCarty, Director.
 Mississippi Soil and Water Conservation Commission, Gale Martin, Executive Director
 Pat Harrison Waterway District, Herlon D. Pierce, Executive Director.
 Pearl River Basin Development District, Mike Davis, Executive Vice President.
 Pearl River Valley Water Supply District, Kenneth Griffin, General Manager.
 Yazoo Mississippi Delta Joint Water Management District, Dean Pennington, Executive Director.
 Harrison County Board of Supervisors, Larry Benefield, President.
 Harrison County Development Commission, Michael J. Olivier, Executive Director.
 Jackson County Board of Supervisors, Carroll L. Clifford III, President.
 Jackson County Port Authority, Johnny S. Tillman, President.
 City of Jackson, Kane Ditto, Mayor.

Assistance with funds or services was provided by the U. S. Army Corps of Engineers in collecting records for 50 streamflow-gaging stations, 6 crest-stage gages, and 39 surface-water quality sites published in this report.

Organizations that provided data are acknowledged in station descriptions.

SUMMARY OF HYDROLOGIC CONDITIONS

Streamflow

Annual mean streamflow was normal in most streams in Mississippi during the 1995 water year. Comparisons of monthly mean and annual mean discharges in the 1995 water year with median values for the period 1961-90 were made for three representative gaging stations: Tombigbee River at Columbus Lock and Dam near Columbus, in northeastern Mississippi, Big Black River near Bovina, in central Mississippi, and Pascagoula River at Merrill, in southeastern Mississippi. The monthly mean discharges at these sites generally were within the normal range (± 25 percent of the median or the reference period 1961-90) with the exceptions noted below.

Runoff of the Tombigbee River at Columbus Lock and Dam near Columbus was 25.28 inches for the water year, or 120 percent of the median annual runoff of 21.10 inches for the reference period 1961-90. Discharge was above normal in October, November, March, and August, when the monthly mean discharges were 361, 200, 155, and 311 percent of the median monthly means, respectively, for the reference period. Monthly mean discharges for other months were within the normal range.

Runoff of the Pascagoula River at Merrill was 16.72 inches for the water year, or 81 percent of the median annual runoff for the reference period (20.64 inches). Discharge was below normal in July and September, when the monthly mean discharges were 63 and 59 percent of the monthly median discharges, respectively, for the reference period. Monthly mean discharges for other months were within the normal range.

Runoff of the Big Black River near Bovina was 18.88 inches for the water year, or 107 percent of the median annual runoff for the reference period (17.67 inches). Discharge was above normal in the months of October and April, when the monthly mean discharges were 407 and 189 percent of the monthly median discharges, respectively, for the reference period. Monthly mean discharges for other months were within the normal range.

Streamflow Quality

The surface-water quality of most of Mississippi's 84,003 miles of rivers fully or partially supports designated uses. Major causes of impaired water quality during water year 1994 were nonpoint agricultural runoff; lesser causes were industrial and municipal point-source discharges and runoff from nonagricultural nonpoint sources.

The surface-water quality in Mississippi generally did not change appreciably during water year 1995 compared to that of previous years. Dissolved-solids concentrations are low in water from most streams in Mississippi. Concentrations generally were less than 100 mg/L (milligrams per liter) in most streams in the State. The minimum, median, and maximum values of dissolved-solids concentrations during water year 1995 for two National Stream Quality Accounting Network stations on major streams that drain the interior of the State are presented in the following table:

	Dissolved-solids concentration, in milligrams per liter		
	Water year 1995		
	Minimum	Median	Maximum
Pascagoula River near Benndale	57	74	84
Yazoo River below Steele Bayou nr Long Lake	50	86	140

Dissolved-oxygen concentrations in streams were generally greater than 5.0 mg/L and were lowest during the summer months when stream temperatures were high and flow velocities were low. Minimum, median, and maximum values for dissolved-oxygen concentrations at the index stations during water year 1995 are presented in the following table:

	Dissolved-oxygen concentration, in milligrams per liter		
	Water year 1995		
	Minimum	Median	Maximum
Pascagoula River near Benndale	7.0	7.2	9.3
Yazoo River below Steele Bayou nr Long Lake	5.2	6.9	9.5

Determinations of pH at the index stations indicate that most streams were slightly acidic at times and that the pH generally was lowest in the southern part of the State. Values of pH during water year 1995, are presented in the following table:

	pH, in standard units		
	Water year 1995		
	Minimum	Median	Maximum
Pascagoula River near Benndale	6.3	6.4	6.6
Yazoo River below Steele Bayou nr Long Lake	6.7	6.8	7.2

Ground-Water Levels

Ground-water levels in most artesian aquifers statewide continued long-term declines in the latter part of the 1995 water year following seasonal water-level recoveries during the early part of the year. Fluctuations of ground-water levels in representative observation wells are shown in the hydrographs in figure 1.

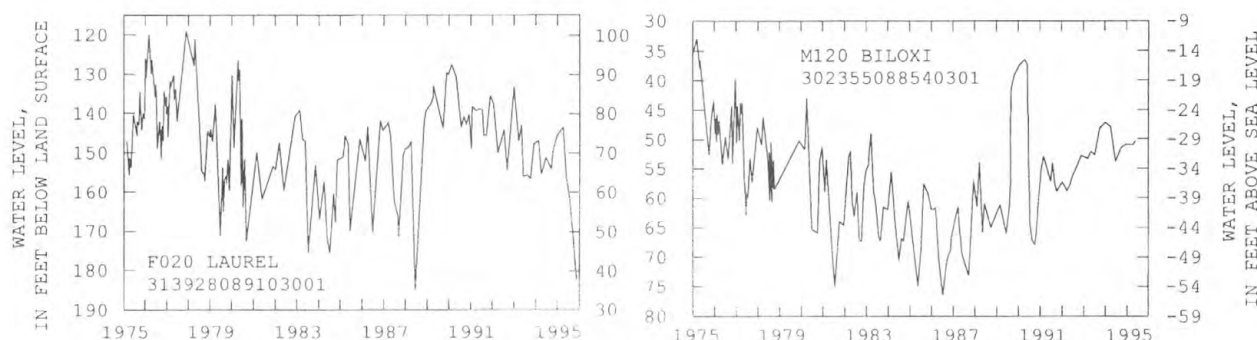


Figure 1.--Hydrographs of wells in the Catahoula Formation at Laurel and the Graham Ferry Formation at Biloxi.

Ground-water withdrawals are concentrated in the urbanized and industrialized areas and in the Mississippi River Alluvial Plain of northwestern Mississippi. 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 wells screened in deposits of Miocene age in southern Mississippi, water levels generally declined 1 foot, with the exception of a few sites near heavy withdrawals where water levels declined 1 to 3 feet. In wells screened in the Graham Ferry Formation along the Gulf coast, water levels declined less than 1 foot.

In central Mississippi, water levels in the Cockfield Formation declined slightly at selected sites, while levels in a few wells near pumping centers declined 1 to 3 feet. Wells screened in Sparta Sand indicated declines of 1 to 4 feet. Record low water levels were measured in several wells in the Cockfield and Sparta aquifers in the Jackson metropolitan area. Water levels in wells screened in the Vicksburg Group and Forrest Hill Sands used primarily for domestic use declined slightly at selected sites.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Bench-Mark Network is a network of 53 sites in small drainage basins around the country whose purpose is to provide consistent data on the hydrology, including water quality, and related factors in representative undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by the activities of man.

National Stream-Quality Accounting Network (NASQAN) is a nationwide data-collection network designed by the U.S. Geological Survey to meet many of the information needs of government agencies and other groups involved in national or regional water-quality planning and management. The 142 sites in NASQAN are generally located at the downstream ends of hydrologic accounting units designated by the U.S. Geological Survey Office of Water Data Coordination in consultation with the Water Resources Council. The objectives of NASQAN are (1) to obtain information on the quality and quantity of water moving within and from the United States through a systematic and uniform process of data collection, summarization, analysis, and reporting such that the data may be used for, (2) description of the areal variability of water quality in the Nation's rivers through analysis of data from this and other programs, (3) detection of changes or trends with time in the pattern of occurrence of water-quality characteristics, and (4) providing a nationally consistent data base useful for water-quality assessment and hydrologic research.

NASQAN was redesigned in 1995 and will be known as NASQAN II beginning in 1996. NASQAN II will focus on four of the largest river basins in the Nation--the Mississippi, the Columbia, the Colorado, and the Rio Grande. The objective of NASQAN II is to characterize the water quality of these large rivers by measuring concentration and mass transport of a wide range of dissolved and suspended constituents, including nutrients, major ions, dissolved and sediment-bound heavy metals, common pesticides, and inorganic and organic forms of carbon. This information will be used (1) to describe the long-term trends and changes in concentration and transport of these constituents; (2) to test findings of the National Water-Quality Assessment Program (NAWQA); (3) to characterize processes unique to large-river systems such as storage and remobilization 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.

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

The National Water-Quality Assessment (NAWQA) Program of the U.S. Geological Survey is a long-term program with goals to describe the status and trends of water-quality conditions for a large, diverse, and geographically distributed part of the Nation's ground- and surface-water resources, and to identify, describe, and explain the major natural and human factors that affect these observed conditions and trends.

Assessment activities have begun in about two-thirds of the study units and ultimately will be conducted in 60 study units (major watersheds and aquifer systems) that represent a wide range of environmental settings nationwide and that account for a large percentage of the Nation's water use. A wide array of chemical constituents will be measured in ground water, surface water, streambed sediments, and fish tissues. The coordinated application of comparative hydrologic studies at a wide range of spatial and temporal scales will provide information for decision making by water-resources managers and a foundation for aggregation and comparison of findings to address water-quality issues of regional and national interest.

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

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

EXPLANATION OF THE RECORDS

The surface-water and ground-water records published in this report are for the 1995 water year that began October 1, 1994, and ended September 30, 1995. A calendar of the water year is provided on the inside of the front cover. The records contain streamflow data, stage data for lakes and reservoirs, water-quality data for surface and ground water, and ground-water-level data. The locations of the stations and wells where the data were collected are shown in figures 4, 5, and 6. The following sections of the introductory text are presented to provide users with a more detailed explanation of how the hydrologic data published in this report were collected, analyzed, computed, and arranged for presentation.

Station Identification Numbers

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

Downstream Order System

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

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

Latitude-Longitude System

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

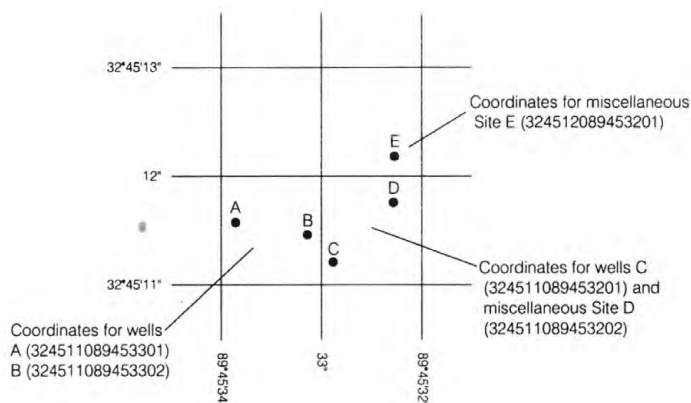


Figure 2.--System for numbering wells and miscellaneous sites (latitude and longitude).

Records of Stage and Water Discharge

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

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

Data Collection and Computation

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

Continuous records of stage are obtained with analog recorders that trace continuous graphs of stage or with digital recorders that punch stage values on paper tapes at selected time intervals. Measurements of discharge are made with current meters using methods adopted by the Geological Survey as a result of experience accumulated since 1880. These methods are described in standard textbooks, in Water-Supply Paper 2175, and in U.S. Geological Survey Techniques of Water-Resources Investigations (TWRI's), Book 3, Chapter A1 through A19 and Book 8, Chapters A2 and B2. The methods are consistent with the American Society for Testing and Materials (ASTM) standards and generally follow the standards of the International Organization for Standards (ISO).

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

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

At some stream-gaging stations, the stage-discharge relation is affected by the backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage, at these stations the rate of change in stage is used as a factor in computing discharge. At some gaging stations, acoustic velocity meter (AVM) systems are used to compute discharge. The AVM system measures the stream's velocity at one or more paths in the cross section. Coefficients are developed to relate this path velocity to the mean velocity in the cross section. Because the AVM sensors are fixed in position, the adjustment coefficients generally vary with stage. Cross-sectional area curves are developed to relate stage, recorded as noted above, to cross section area. Discharge is computed by multiplying path velocity by the appropriate stage related coefficient and area.

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

For some gaging stations, there are periods when no gage-height record is obtained, or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods, the daily discharges are estimated from the recorded range in stage, previous or following record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Likewise, daily contents may be estimated from operator's logs, previous or following record, inflow-outflow studies, and other information. Information explaining how estimated daily-discharge values are identified in station records is included in the next two sections, "Data Presentation" (REMARKS paragraph) and "Identifying Estimated Daily Discharge."

Data Presentation

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Data table of daily mean values

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

Statistics of monthly mean data

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

Summary statistics

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

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

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

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

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

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

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

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

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

ANNUAL 7-DAY MINIMUM.--The lowest mean discharge for 7 consecutive days for a calendar year or a water year. Note that most low-flow frequency analyses statistics table is the initial date of the 7-day period. (This value should not be confused with the 7-day 10-year low-flow statistic.)

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

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

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

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

Acre-foot (AC-FT) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.

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

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

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

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

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

Data collected at partial-record stations follow the information for continuous-record sites. Data for partial-record discharge stations are presented in two sections. The first section contains stage and discharge data for selected events at flood hydrograph stations. The second section is a table of annual maximum stage and discharge at crest-stage stations. The partial-record stations are followed by a listing of discharge measurements made at sites other than continuous-record or partial-record stations. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Identifying Estimated Daily Discharge

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

Accuracy of the Records

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

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

Daily mean discharges in this report are given to the nearest hundredth of a cubic foot per second for values less than 1 ft³/s, to the nearest tenth between 1.0 and 10 ft³/s, to whole numbers between 10 and 1,000 ft³/s, and to 3 significant figures for more than 1,000 ft³/s. The number of significant figures used is based solely on the magnitude of the discharge value. The same rounding rules apply to discharges listed for partial-record stations and miscellaneous sites.

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

Other Records Available

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

Records of Surface-Water Quality

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

Classification of Records

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

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

Arrangement of Records

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

On-site Measurements and Sample Collection

In obtaining water-quality data, a major concern needs to be assuring that the data obtained represent the in situ quality of the water. To assure this, certain measurements, such as water temperature, pH, and dissolved oxygen, need to be made onsite when the samples are taken. To assure that measurements made in the laboratory also represent the in situ water, carefully prescribed procedures need to be followed in collecting the samples, in treating the samples to prevent changes in quality pending analysis, and in shipping the samples to the laboratory. Procedures for onsite measurements and for collecting, treating, and shipping samples are detailed in TWRI Book 1, Chap. Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, and A4. These references are listed in the PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS section of this report. These methods are consistent with ASTM standards and generally follow ISO standards.

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load. All samples obtained for the National Stream Quality Accounting Network (see special networks and programs) are obtained from at least several verticals. Whether samples are obtained from the centroid of flow or from several verticals depends on flow conditions and other factors which must be evaluated by the collector.

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

For chemical-quality stations equipped with digital monitors, the records consist of daily maximum, minimum, and mean values for each constituent measured except pH (maximum and minimum only), and are based upon hourly punches beginning at 0100 hours and ending at 2400 hours for the day of record. More detailed records (hourly values) may be obtained from the District Office of the Mississippi District whose address is given on the back of the title page of this report.

Water Temperature

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

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

Sediment

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

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

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

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

Laboratory Measurements

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

Data Presentation

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Sample Source	Sampling Condition
1 Well head	0.10 Site was being pumped
2 Drill stem test	0.11 Site had been pumped recently
5 Flow line	0.12 Nearby site tapping
8 Tank	same aquifer was being pumped
16 Casing leak	2 Undesignated
26 Pump	4 Flowing
27 Tap near well	8 Pumping
28 Tap away from well	10 Open hole
30 Pressure tank	15 Bailing
31 Discharge Pipe	24 Water flooding
33 Bailer	26 Production and development test
80 After pressure tank	27 Production by unknown method
1001 Wet deposition	30 Seeping
1003 Landfill	
1005 Landfill seep	

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

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

Dissolved Sulfate Analysis

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

Dissolved Trace-Element Concentrations

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

Records of Ground-Water Levels

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

Data Collection and Computation

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

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

Water-level records are obtained from direct measurements with a steel tape or from the graph or punched tape of a water-stage recorder. The water-level measurements in this report are given in feet with reference to land-surface datum (lsd). Land-surface datum is a datum plane that is approximately at land surface at each well. If known, the elevation of the land-surface datum is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported for every fifth day and the end of each month (eom).

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

Data Presentation

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

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

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

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

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

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

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

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

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

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

Records of Ground-Water Quality

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

Data Collection and Computation

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

Most methods for collecting and analyzing water samples are described in the "U.S. Geological Survey TWRI publications referred to in the "On-site Measurements and Sample Collection" and the "Laboratory Measurements" sections in this data report. In addition, the TWRI Book 1, Chapter D2, describes guidelines for the collection and field analysis of ground-water samples for selected unstable constituents. The values reported in this report represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. These methods are consistent with ASTM standards and generally follow ISO standards. All samples were obtained by trained personnel. The wells sampled were pumped long enough to assure that the water collected came directly from the aquifer and had not stood for a long time in the well casing where it would have been exposed to the atmosphere and to the material, possibly metal, comprising the casings.

Data Presentation

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

ACCESS TO WATSTORE DATA

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

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

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

U.S. Geological Survey
National Water Data Exchange
421 USGS National Center
Reston, Virginia 20192

In addition to providing direct access to WATSTORE, data can be provided in various machine-readable formats on magnetic tape or 5-1/4 inch floppy disk; and, as noted in the introduction, on CD-ROM discs. Beginning with the 1990 water year, all water-data reports will also be available on Compact Disc - Read Only Memory (CD-ROM). All data reports published for the current water year for the entire Nation, including Puerto Rico and the Trust Territories, will be reproduced on a single CD-ROM disc. Information about the availability of specific types of data or products, and user charges, can be obtained locally from each of the Water Resources Division's District Offices. (See address on the back of the title page.) A limited number of CD-ROM discs will be available for sale by the Books and Open-File Reports Section, U.S. Geological Survey Information Services, Federal Center, Box 25286, Denver, Colorado 80225.

DEFINITION OF TERMS

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

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet, or about 325,000 gallons, or 1,233 cubic meters.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Bottom material: See Bed material.

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

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

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

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

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

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

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

Cubic feet per second (ft³/s)¹ is the rate of discharge representing the volume of cubic feet passing a given point during 1 second. One cubic foot passing a given point during 1 second is equivalent to 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

Cubic feet per second-day (ft³)/d is the volume of water represented by a discharge of cubic feet per second for 24 hours. One cubic foot per second for 24 hours is equivalent to 86,400 cubic feet, 1.9835 acre-feet, about 646,000 gallons, or 2,445 cubic meters.

Cubic feet per second per square mile [ft³/s)/mi²]¹ is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

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

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

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

Annual 7-day minimum is 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.)

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

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

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

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

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

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

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

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

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is computed as the sum of equivalents of polyvalent cations and is expressed as equivalent calcium carbonate (CaCO_3).

Hydrologic Bench-Mark Network is a network of 53 sites in small drainage basins around the country whose purpose is to provide consistent data on the hydrology, including water quality, and related factors in representative undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by the activities of man.

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

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

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

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

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

Micrograms per gram (ug/g) is a unit expressing the concentration of a chemical constituent the mass (micrograms) of the element per unit mass (gram) of material analyzed.

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

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

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

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

National Stream Quality Accounting Network (NASQAN) is a nationwide data-collection network designed by the U.S. Geological Survey to meet many of the information needs of government agencies and other groups involved in natural or regional water-quality planning and management. The 284 sites in NASQAN, which are generally located at the downstream ends of hydrologic accounting units designated by the U.S. Geological Survey Office of Water Data Coordination in consultation with the Water Resources Council. The objectives of NASQAN are (1) to obtain information on the quality and quantity of water moving within and from the United States through a systematic and uniform process of data collection, summarization, analysis, and reporting such that the data may be used for, (2) description of the areal variability of water quality in the Nation's rivers through analysis of data from this and other programs. (3) detection of changes of trends with time in the pattern of occurrence of water-quality characteristics, and (4) providing a nationally consistent data base useful for water-quality assessment and hydrologic research.

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

The National Water-Quality Assessment (NAWQA) Program of the U.S. Geological Survey is a long-term program with goals to describe the status and trends of water-quality conditions for a large, diverse, and geographically distributed part of the Nation's ground- and surface-water resources, and to identify, describe, and explain the major natural and human factors that affect these observed conditions and trends.

Assessment activities have begun in about two-thirds of the study units and ultimately will be conducted in 60 study units (major watersheds and aquifer systems) that represent a wide range of environmental settings nationwide and that account for a large percentage of the Nation's water use. A wide array of chemical constituents will be measured in ground water, surface water, streambed sediments, and fish tissues. The coordinated application of comparative hydrologic studies at a wide range of spatial and temporal scales will provide information for decision making by water-resources managers and a foundation for aggregation and comparison of findings to address water-quality issues of regional and national interest.

Organism is any living entity.

Organism count/area refers to the number of organisms collected and enumerated in a sample and adjusted to the number per unit area habitat, usually square meter (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.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Sea level in this report refers to the National Geodetic Vertical Datum of 1929 (NGVD)--a geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada, formerly called Sea Level Datum of 1929.

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

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

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

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

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

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

Suspended-sediment discharge (tons/day) is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight or volume, that passes a section in a given time. It is calculated in units of tons per day as follows: concentration (mg/L) X discharge (ft³/s) X 0.0027.

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

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

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

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

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

Solute is any substance that is dissolved in water.

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

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

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

Substrate is the physical surface upon which an organism lives.

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

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

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

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

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

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

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

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

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

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a 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.....	Arthropoda
Class.....	Insects
Order.....	Ephemeroptera
Family.....	Ephemeridae
<u>Genus.....</u>	<u>Hexagenia</u>
<u>Species.....</u>	<u>Hexagenia limbata</u>

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

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

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

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

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

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

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

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

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

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

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

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

WRD is used as an abbreviation for "Water-Resources Data" in the REVISED RECORDS paragraph to refer to State annual basic-data reports published before 1976.

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

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

The U.S. Geological Survey publishes a series of manuals describing procedures for planning and conducting specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) pertains to surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises.

The reports listed below are for sale by the U.S. Geological Survey, Branch of Information Services, Box 25286, Federal Center, Denver, Colorado 80225 (authorized agent of the Superintendent of Documents, Government Printing Office). Prepayment is required. Remittance should be sent by check or money order payable to the U.S. Geological Survey. Prices are not included because they are subject to change. Current prices can be obtained by writing to the above address. When ordering or inquiring about prices for any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations."

- 1-D1. *Water temperature--influential factors, field measurement, and data presentation*, by H. H. Stevens, Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.
- 1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.
- 2-D1. *Application of surface geophysics to ground-water investigations*, by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.
- 2-D2. *Application of seismic-refraction techniques to hydrologic studies*, by F. P. Haeni: USGS--TWRI Book 2, Chapter D2. 1988. 86 pages.
- 2-E1. *Application of borehole geophysics to water-resources investigations*, by W. S. Keys and L. M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.
- 2-E2. *Borehole geophysics applied to ground-water investigations*, by W. S. Keys: USGS--TWRI Book 2, Chapter E2. 1990. 150 pages.
- 2-F1. *Application of drilling, coring, and sampling techniques to test holes and wells*, by Eugene Shuter and W. E. Teasdale: USGS--TWRI Book 2, Chapter F1. 1989. 97 pages.
- 3-A1. *General field and office procedures for indirect discharge measurements*, by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.
- 3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.
- 3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.
- 3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.
- 3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.
- 3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.
- 3-A7. *Stage measurement at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.
- 3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.
- 3-A9. *Measurement of time of travel in streams by dye tracing*, by F. A. Kilpatrick and J. F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1989. 27 pages.
- 3-A10. *Discharge ratings at gaging stations*, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A10. 1984. 59 pages.
- 3-A11. *Measurement of discharge by the moving-boat method*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.
- 3-A12. *Fluorometric procedures for dye tracing*, Revised, by J. F. Wilson, Jr., E. D. Cobb, and F. A. Kilpatrick: USGS--TWRI Book 3, Chapter A12. 1986. 34 pages.
- 3-A13. *Computation of continuous records of streamflow*, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A13. 1983. 53 pages.
- 3-A14. *Use of flumes in measuring discharge*, by F. A. Kilpatrick and V. R. Schneider: USGS--TWRI Book 3, Chapter A14. 1983. 46 pages.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

- 3-A15. *Computation of water-surface profiles in open channels*, by Jacob Davidian: USGS--TWRI Book 3, Chapter A15. 1984. 48 pages.
- 3-A16. *Measurement of discharge using tracers*, by F. A. Kilpatrick and E. D. Cobb: USGS--TWRI Book 3, Chapter A16. 1985. 52 pages.
- 3-A17. *Acoustic velocity meter systems*, by Antonius Laenen: USGS--TWRI Book 3, Chapter A17. 1985. 38 pages.
- 3-A18. *Determination of stream reaeration coefficients by use of tracers*, by F. A. Kilpatrick, R. E. Rathbun, Nobuhiro Yotsukura, G. W. Parker, and L. L. DeLong: USGS--TWRI Book 3, Chapter A18. 1989. 52 pages.
- 3-A19. *Levels at streamflow gaging stations*, by E.J. Kennedy: USGS--TWRI Book 3, Chapter A19. 1990. 31 pages.
- 3-A20. *Simulation of soluble waste transport and buildup in surface waters using tracers*, by F. A. Kilpatrick: USGS--TWRI Book 3, Chapter A20. 1993. 38 pages.
- 3-A21. *Stream-gaging cableways*, by C. Russell Wagner: USGS--TWRI Book 3, Chapter A21. 1995. 56 pages.
- 3-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.
- 3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.
- 3-B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J. E. Reed: USGS--TWRI Book 3, Chapter B3. 1980. 106 pages.
- 3-B4. *Regression modeling of ground-water flow*, by R. L. Cooley and R. L. Naff: USGS--TWRI Book 3, Chapter B4. 1990. 232 pages.
- 3-B4. *Supplement 1. Regression modeling of ground-water flow - Modifications to the computer code for nonlinear regression solution of steady-state ground-water flow problems*, by R. L. Cooley: USGS--TWRI Book 3, Chapter B4. 1993. 8 pages.
- 3-B5. *Definition of boundary and initial conditions in the analysis of saturated ground-water flow systems--An introduction*, by O. L. Franke, T. E. Reilly, and G. D. Bennett: USGS--TWRI Book 3, Chapter B5. 1987. 15 pages.
- 3-B6. *The principle of superposition and its application in ground-water hydraulics*, by T. E. Reilly, O. L. Franke, and G. D. Bennett: USGS--TWRI Book 3, Chapter B6. 1987. 28 pages.
- 3-B7. *Analytical solutions for one-, two-, and three-dimensional solute transport in ground-water systems with uniform flow*, by E. J. Wexler: USGS--TWRI Book 3, Chapter B7. 1992. 190 pages.
- 3-C1. *Fluvial sediment concepts*, by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.
- 3-C2. *Field methods for measurement of fluvial sediment*, by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.
- 3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.
- 4-A1. *Some statistical tools in hydrology*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.
- 4-A2. *Frequency curves*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.
- 4-B1. *Low-flow investigations*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.
- 4-B2. *Storage analyses for water supply*, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.
- 4-B3. *Regional analyses of streamflow characteristics*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.
- 4-D1. *Computation of rate and volume of stream depletion by wells*, by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.
- 5-A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M. J. Fishman and L. C. Friedman, editors: USGS--TWRI Book 5, Chapter A1. 1989. 545 pages.
- 5-A2. *Determination of minor elements in water by emission spectroscopy*, by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

- 5-A3. *Methods for the determination of organic substances in water and fluvial sediments*, edited by R. L. Wershaw, M. J. Fishman, R. R. Grabbe, and L. E. Lowe: USGS--TWRI Book 5, Chapter A3. 1987. 80 pages.
- 5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, by L. J. Britton and P. E. Greeson, editors: USGS--TWRI Book 5, Chapter A4. 1989. 363 pages.
- 5-A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L. L. Thatcher, V. J. Janzer, and K. W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.
- 5-A6. *Quality assurance practices for the chemical and biological analyses of water and fluvial sediments*, by L. C. Friedman and D. E. Erdmann: USGS--TWRI Book 5, Chapter A6. 1982. 181 pages.
- 5-C1. *Laboratory theory and methods for sediment analysis*, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.
- 6-A1. *A modular three-dimensional finite-difference ground-water flow model*, by M. G. McDonald and A. W. Harbaugh: USGS--TWRI Book 6, Chapter A1. 1988. 586 pages.
- 6-A2. *Documentation of a computer program to simulate aquifer-system compaction using the modular finite-difference ground-water flow model*, by S. A. Leake and D. E. Prudic: USGS--TWRI Book 6, Chapter A2. 1991. 68 pages.
- 6-A3. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 1: Model Description and User's Manual*, by L. J. Torak: USGS--TWRI Book 6, Chapter A3. 1993. 136 pages.
- 6-A4. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 2: Derivation of finite-element equations and comparisons with analytical solutions*, by R. L. Cooley: USGS--TWRI Book 6, Chapter A4. 1992. 108 pages.
- 6-A5. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 3: Design philosophy and programming details*, by L. J. Torak: USGS--TWRI Book 6, Chapter A5. 1993. 243 pages.
- 7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P. C. Trescott, G. F. Pinder, and S. P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.
- 7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L. F. Konikow and J. D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.
- 7-C3. *A model for simulation of flow in singular and interconnected channels*, by R. W. Schaffranek, R. A. Baltzer, and D. E. Goldberg: USGS--TWRI Book 7, Chapter C3. 1981. 110 pages.
- 8-A1. *Methods of measuring water levels in deep wells*, by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.
- 8-A2. *Installation and service manual for U.S. Geological Survey manometers*, by J. D. Craig: USGS--TWRI Book 8, Chapter A2. 1983. 57 pages.
- 8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

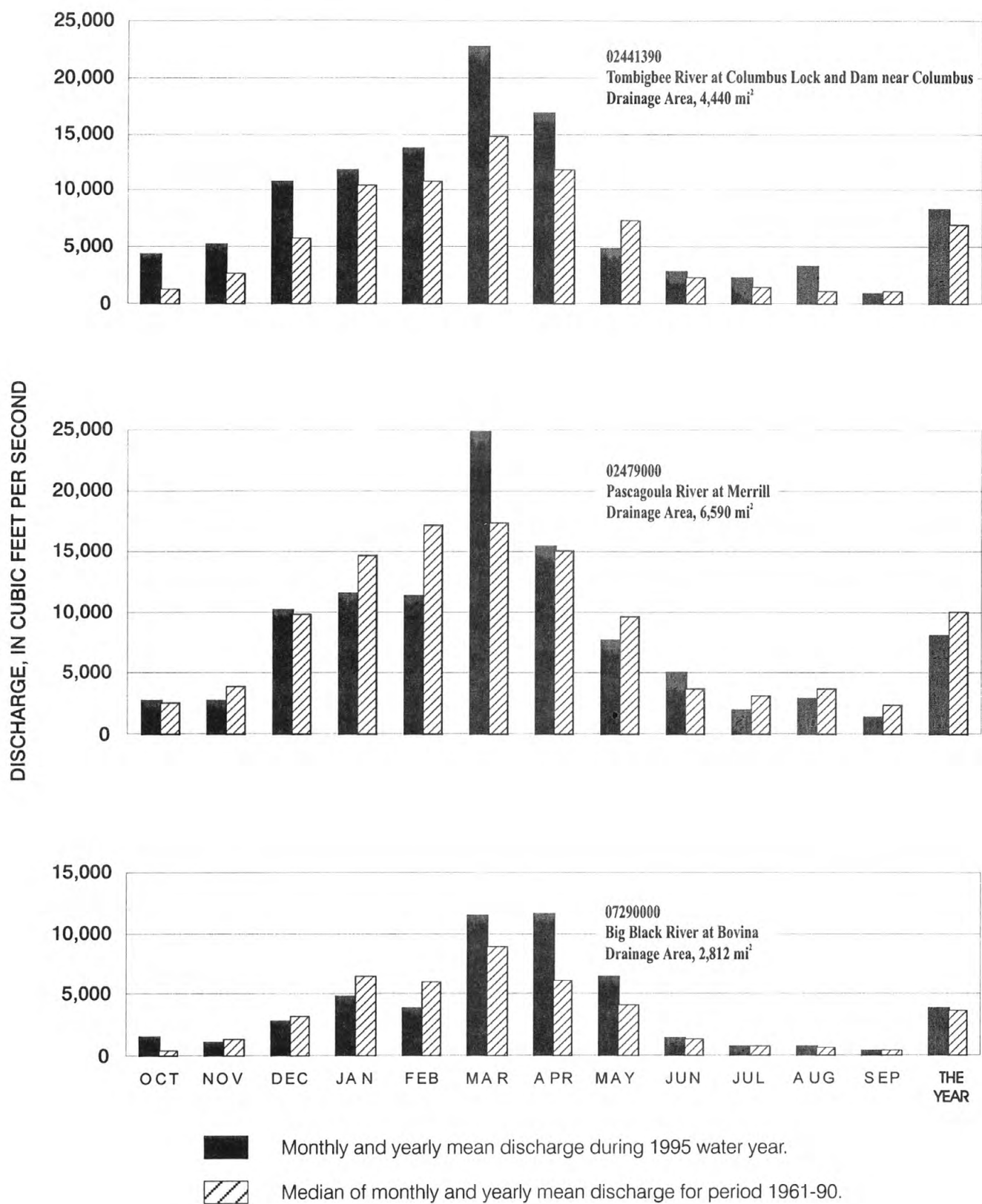


Figure 3.--Comparison of discharge during 1995 water year with median discharge for period 1961-90 for three representative gaging stations.

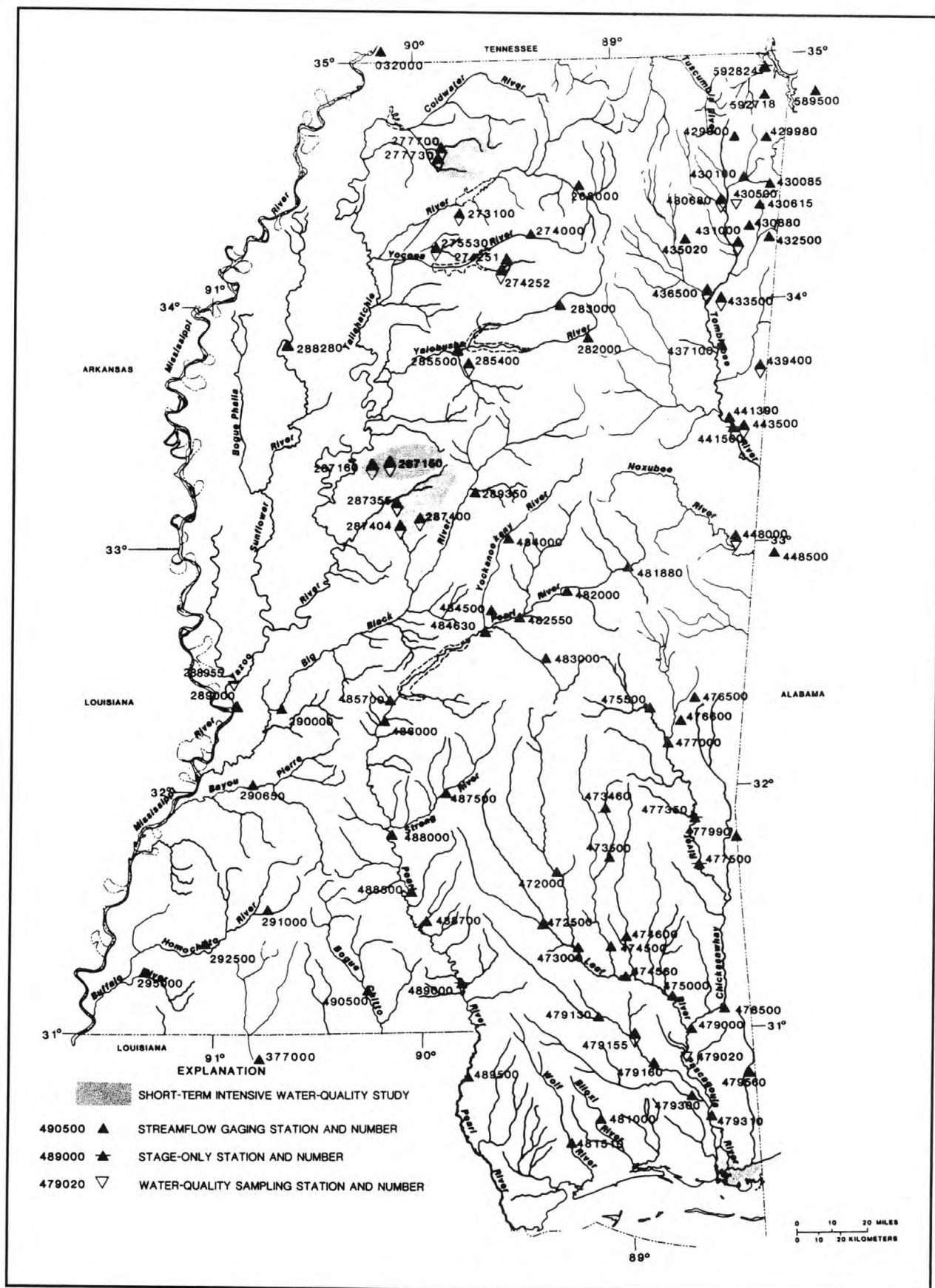


Figure 4.--Location of hydrologic-data stations.

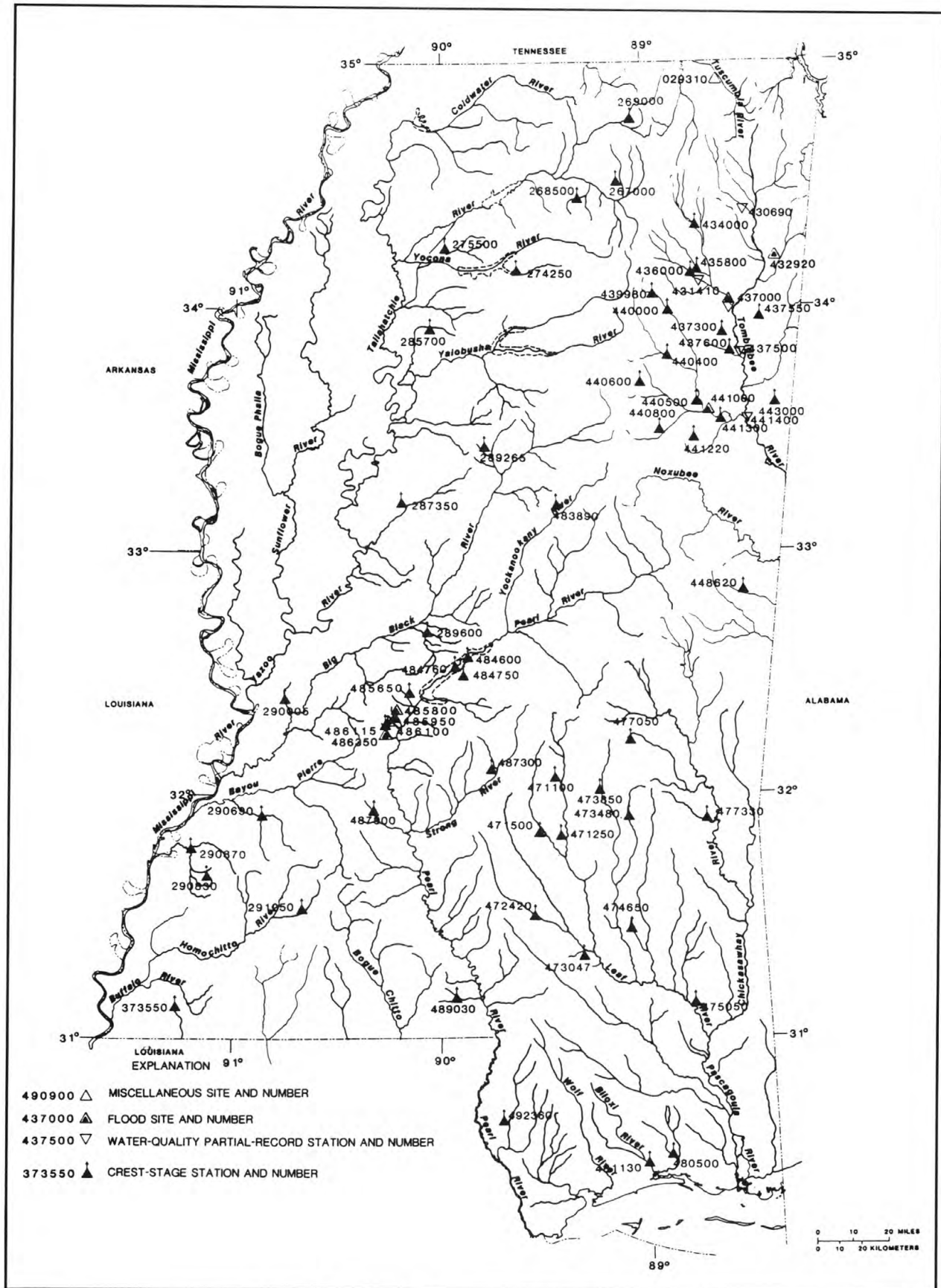


Figure 5.--Location of partial-record stations.

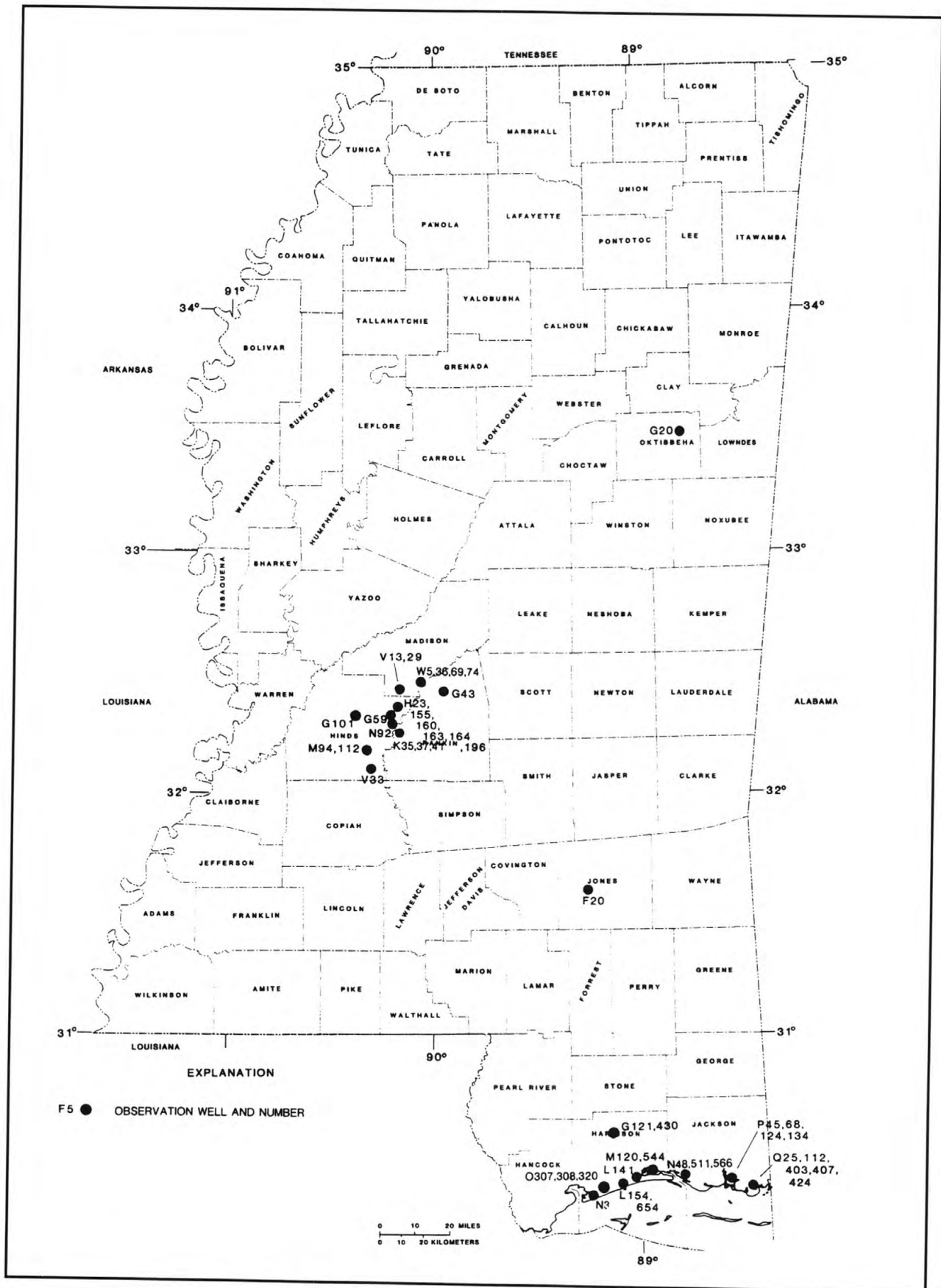


Figure 6.--Location of observation wells.

HYDROLOGIC DATA STATION RECORDS

EASTERN GULF OF MEXICO BASINS

MOBILE RIVER BASIN

02429900 BIG BROWN CREEK NEAR BOONEVILLE, MS

LOCATION.--Lat 34°37'07", long 88°26'42", SW1/4 NE1/4 sec.27, T.5 S., R.8 E., Chickasaw Meridian, Prentiss County, Hydrologic Unit 03160101, on left bank, near downstream side of bridge on county highway, 0.4 mi downstream from State Highway 30, 2.0 mi upstream from Martin Creek, 7.3 mi east of Booneville, and 13.7 mi upstream from mouth.

DRAINAGE AREA.--27.1 mi².

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

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

GAGE.--Water-stage recorder. Datum of gage is 326.56 ft above sea level (levels by Tennessee Valley Authority). Prior to June 1973, crest-stage gage at site 0.4 mi upstream at datum 76.36 ft lower.

REMARKS.--Estimated daily discharges: Jan. 29-31, Feb. 1-15, Mar. 10 - Apr. 4, Aug. 21-31, Sept. 1-7. Records fair except for estimated daily discharges, which are poor.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Mar. 7	1845	*2,200	*19.63	No other peaks greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	14	27	36	e45	31	e32	128	33	16	2.3	e1.1
2	3.4	12	25	29	e48	28	e29	126	49	6.6	2.4	e1.0
3	5.8	11	59	29	e50	26	e26	66	26	5.3	2.4	e1.1
4	3.9	11	190	28	e49	28	e25	70	27	11	1.9	e1.0
5	3.2	106	72	24	e47	710	25	68	19	12	60	e.92
6	3.0	132	50	126	e43	177	25	52	16	13	16	e.90
7	3.3	36	44	80	e40	1110	25	50	15	6.1	9.0	e.86
8	3.5	28	37	50	e43	680	24	43	14	4.5	16	.85
9	16	28	35	45	e45	166	24	52	11	4.9	6.7	1.2
10	8.4	49	289	42	e43	e90	23	40	12	5.3	7.7	1.1
11	4.8	36	119	42	e47	e45	54	33	24	4.1	10	1.0
12	95	29	67	44	e40	e35	60	30	22	3.3	11	1.1
13	63	26	51	48	e35	e38	33	28	13	3.0	6.4	1.6
14	23	24	46	90	e32	e35	28	26	9.2	2.8	7.0	1.1
15	16	21	43	99	e31	e33	27	25	7.6	2.5	5.3	1.9
16	13	18	49	65	150	e32	26	25	6.5	3.1	4.2	2.0
17	10	17	48	54	70	e30	25	23	5.7	2.5	3.0	3.6
18	9.3	15	39	76	50	e32	25	38	5.1	2.2	4.4	1.6
19	14	14	33	363	44	e31	23	74	4.6	2.1	3.5	1.4
20	21	14	31	99	40	e30	38	41	5.1	2.9	3.2	1.5
21	18	14	31	71	36	e28	156	33	5.1	2.4	e21	1.5
22	27	14	131	60	32	e27	53	31	5.7	2.4	e15	1.9
23	22	12	74	59	31	e26	75	26	4.3	2.6	e10	2.4
24	15	10	53	50	29	e28	56	24	4.3	2.5	e6.0	1.0
25	13	10	45	44	27	e26	45	22	7.9	2.5	e3.5	.90
26	12	17	39	41	26	e25	40	22	4.5	1.9	e2.4	.88
27	11	78	38	44	47	e30	35	22	4.0	3.3	e1.8	.77
28	11	201	36	51	41	e29	34	20	3.5	3.5	e1.5	.81
29	10	49	36	e46	---	e31	32	20	3.5	8.4	e1.4	.75
30	10	34	36	e45	---	e33	113	18	4.4	3.0	e1.3	.73
31	11	---	37	e42	---	e34	---	25	---	2.4	e1.2	---
TOTAL	482.9	1080	1910	2022	1261	3704	1236	1301	372.0	148.1	247.5	38.47
MEAN	15.6	36.0	61.6	65.2	45.0	119	41.2	42.0	12.4	4.78	7.98	1.28
MAX	95	201	289	363	150	1110	156	128	49	16	60	3.6
MIN	3.0	10	25	24	26	25	23	18	3.5	1.9	1.2	.73
CFSM	.57	1.33	2.27	2.41	1.66	4.41	1.52	1.55	.46	.18	.29	.05
IN.	.66	1.48	2.62	2.78	1.73	5.08	1.70	1.79	.51	.20	.34	.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 1995, BY WATER YEAR (WY)

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
MEAN	9.77	40.0	72.4	83.4	83.9	94.1	82.0	73.2	31.5	12.2	7.28	7.97							
MAX	56.0	139	218	298	220	264	267	451	187	73.8	40.2	42.7							
(WY)	1976	1978	1992	1974	1990	1980	1983	1991	1989	1989	1992	1979							
MIN	.59	1.00	4.57	7.99	25.5	32.9	12.6	6.44	.54	1.03	.18	.38							
(WY)	1979	1982	1982	1981	1977	1988	1986	1988	1988	1977	1988	1988							

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1973 - 1995

ANNUAL TOTAL	19066.1	13802.97	
ANNUAL MEAN	52.2	37.8	
HIGHEST ANNUAL MEAN			49.8
LOWEST ANNUAL MEAN			94.6
HIGHEST DAILY MEAN			15.0
LOWEST DAILY MEAN	450	1110	2580
ANNUAL SEVEN-DAY MINIMUM	3.0	.73	.11
INSTANTANEOUS PEAK FLOW	3.7	.83	.12
INSTANTANEOUS PEAK STAGE		2200	3900
ANNUAL RUNOFF (CFSM)	1.93	19.63	99.97
ANNUAL RUNOFF (INCHES)	26.17	1.40	1.84
10 PERCENT EXCEEDS	114	66	24.95
50 PERCENT EXCEEDS	34	25	97
90 PERCENT EXCEEDS	6.3	2.2	20

e Estimated

02429980 POLLARD MILL BRANCH AT PADEN, MS

LOCATION.--Lat 34°39'10", long 88°15'00", in SE1/4 sec.9, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 03160101, on left bank 30 ft upstream from culvert on State Highway 30, 0.8 mi east of Paden.

DRAINAGE AREA.--2.01 mi².

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

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

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

REMARKS.--Estimated discharges: Oct. 17-31, Nov. 1-3, Dec. 15-31, Jan. 1-4. Records fair except estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.3	e4.4	6.0	e4.0	4.9	5.0	5.5	9.3	4.7	3.5	3.9	4.7
2	4.3	e4.4	5.9	e3.9	4.7	4.7	5.5	6.5	4.3	3.5	3.9	4.7
3	4.3	e4.4	7.5	e3.9	4.7	4.6	5.5	5.9	4.3	5.9	3.9	4.7
4	4.3	5.5	11	e4.0	4.7	4.7	5.6	6.2	4.3	4.8	3.9	4.7
5	4.0	8.3	8.8	3.5	4.7	8.7	5.9	5.9	4.3	5.3	11	4.7
6	3.9	9.4	8.1	9.3	4.7	29	5.6	5.7	4.3	3.7	4.1	4.5
7	3.9	6.6	7.5	5.6	4.7	22	5.5	5.5	4.3	3.5	6.8	4.3
8	3.9	5.9	6.8	4.8	4.7	76	5.5	5.5	4.1	3.5	4.8	4.3
9	4.3	5.7	6.7	4.3	4.7	14	5.5	8.0	3.9	3.9	23	4.7
10	4.7	6.9	13	4.3	4.7	12	5.5	5.7	3.9	3.9	5.4	4.7
11	4.7	7.1	11	5.6	4.7	11	8.6	5.5	11	3.9	4.8	4.7
12	11	6.5	9.5	5.1	4.7	11	6.5	5.5	5.3	3.9	4.7	4.7
13	12	5.9	8.7	5.9	4.7	10	5.7	5.4	3.9	3.9	4.7	4.7
14	8.0	5.8	8.0	8.1	4.7	10	5.5	5.1	3.9	3.9	4.7	4.5
15	6.9	5.5	e7.7	7.8	4.7	9.8	5.5	5.1	3.9	3.9	4.7	4.3
16	6.0	5.0	e6.6	5.5	7.0	9.7	5.5	5.1	3.9	3.9	4.7	5.0
17	e5.4	4.7	e6.0	5.1	5.6	9.4	5.5	5.1	3.9	3.9	4.7	4.7
18	e5.0	4.7	e5.4	6.1	5.3	9.3	5.5	5.1	3.9	3.9	4.7	4.5
19	e4.5	4.7	e5.2	11	4.7	8.6	5.5	5.1	3.9	3.9	4.7	4.3
20	e4.5	4.7	e5.0	6.7	4.7	7.8	13	5.1	3.9	3.9	4.7	4.7
21	e4.5	4.7	e5.4	6.0	4.6	9.6	13	5.1	3.7	3.9	4.7	5.4
22	e4.5	4.7	e5.0	5.7	4.2	8.0	6.2	4.8	3.5	6.0	4.7	5.1
23	e4.5	4.7	e4.9	5.5	4.2	7.9	8.4	4.7	3.5	3.9	4.7	4.8
24	e4.5	4.7	e4.8	5.2	4.2	7.8	6.1	4.7	3.5	3.9	4.7	4.7
25	e4.5	4.7	e4.8	4.9	4.1	7.5	5.9	4.9	3.5	3.9	4.5	4.7
26	e4.7	4.7	e4.8	4.7	4.0	7.5	5.7	4.7	3.5	3.9	4.3	4.7
27	e4.5	13	e4.8	4.7	4.6	7.4	5.5	4.7	3.5	3.9	4.3	4.7
28	e4.3	14	e4.7	5.1	7.0	7.1	5.5	4.7	3.5	10	4.4	4.7
29	e4.5	8.9	e4.4	5.1	---	6.6	5.5	4.7	3.5	3.9	4.7	4.7
30	e4.6	7.0	e4.4	5.1	---	5.5	9.2	4.6	3.5	3.9	4.7	4.7
31	e4.4	---	e4.2	5.1	---	5.5	---	4.5	---	3.9	4.7	---
TOTAL	159.4	187.2	206.6	171.6	134.9	357.7	193.4	168.4	125.1	131.6	168.2	140.3
MEAN	5.14	6.24	6.66	5.54	4.82	11.5	6.45	5.43	4.17	4.25	5.43	4.68
MAX	12	14	13	11	7.0	76	13	9.3	11	10	23	5.4
MIN	3.9	4.4	4.2	3.5	4.0	4.6	5.5	4.5	3.5	3.5	3.9	4.3
CFSM	2.56	3.10	3.32	2.75	2.40	5.74	3.21	2.70	2.07	2.11	2.70	2.33
IN.	2.95	3.46	3.82	3.18	2.50	6.62	3.58	3.12	2.32	2.44	3.11	2.60

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 1995, BY WATER YEAR (WY)

	MEAN	4.47	6.08	7.35	7.33	7.60	9.13	7.70	7.48	4.83	4.32	4.03	4.54
MAX	7.30	14.0	17.7	25.2	16.0	26.4	15.8	27.7	8.02	6.73	6.31	15.4	
(WY)	1978	1978	1983	1974	1991	1973	1983	1991	1973	1994	1979	1979	
MIN	3.10	3.44	3.35	3.49	4.31	4.47	3.74	2.65	2.30	2.38	2.16	2.47	
(WY)	1983	1991	1994	1981	1978	1986	1986	1988	1988	1987	1988	1987	

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1973 - 1995

ANNUAL TOTAL	2209.1	2144.4	
ANNUAL MEAN	6.05	5.88	6.23
HIGHEST ANNUAL MEAN			9.88
LOWEST ANNUAL MEAN			3.79
HIGHEST DAILY MEAN	50	Mar 27	328
LOWEST DAILY MEAN	3.2	May 25	1.7
ANNUAL SEVEN-DAY MINIMUM	3.4	May 19	3.5
INSTANTANEOUS PEAK FLOW			188
INSTANTANEOUS PEAK STAGE			4.29
ANNUAL RUNOFF (CFSM)	3.01		2.92
ANNUAL RUNOFF (INCHES)	40.88		39.69
10 PERCENT EXCEEDS	8.8		8.7
50 PERCENT EXCEEDS	4.8		4.7
90 PERCENT EXCEEDS	3.7		3.9

e Estimated

02430085 RED BUD CREEK NEAR MOORES MILL, MS

LOCATION.--34°28'00", long 88°17'00", in SW1/4 SE1/4 sec.18, T.7 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 03160101, near left bank on upstream side of bridge on county road, 0.18 mi south of intersection of county road and blacktop road, 2.7 mi east-southeast of Moores Mill, and 5.6 mi southwest of Belmont.

DRAINAGE AREA.--15.7 mi².

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

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

GAGE.--Water-stage recorder. Datum of gage is 360.36 ft above sea level.

REMARKS.--Estimated daily discharges: Oct. 1-5, 15-31, Nov. 1-4, Jan. 23-31, Feb. 1-15, Aug. 24-31, Sept. 1-30. Records fair except for estimated daily discharges, which are poor.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Mar. 5	1145	561	10.55	Apr. 20	2230	694	10.88
Mar. 7	0300	805	11.12	Aug. 5	2115	618	10.70
Mar. 7	1845	*1040	*11.56				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e8.0	e26	18	18	e21	46	16	55	21	24	4.2	e3.7
2	e7.4	e15	17	16	e21	39	16	42	30	11	3.9	e3.0
3	e6.6	e10	50	16	e19	40	15	30	28	8.8	4.1	e2.4
4	e6.2	e13	137	15	e18	45	15	33	35	15	6.4	e2.3
5	e6.2	53	65	15	e17	272	15	27	16	29	263	e2.9
6	7.6	40	41	66	e17	128	15	22	30	13	80	e3.5
7	9.2	20	30	48	e35	672	14	20	29	8.6	67	e4.8
8	14	18	25	31	e25	234	14	17	15	7.1	50	e3.1
9	21	36	21	28	e30	111	13	51	13	8.4	25	e2.6
10	17	45	121	25	e39	81	13	23	11	6.3	10	e2.4
11	18	27	68	81	e29	65	58	18	16	4.8	5.0	e4.0
12	36	22	43	51	e22	55	50	16	29	4.2	3.6	e6.5
13	24	18	34	51	e19	48	24	15	14	3.8	2.7	e8.7
14	15	15	28	90	e17	43	21	14	11	3.6	2.4	e5.2
15	e12	14	27	83	e18	40	19	60	11	3.4	2.4	e4.7
16	e7.0	14	31	56	161	64	17	34	10	3.2	2.2	e7.6
17	e7.1	13	27	45	104	46	16	20	9.6	3.1	2.1	e7.7
18	e8.0	13	22	48	73	39	15	21	9.4	2.9	2.2	e5.3
19	e10	12	20	117	61	35	14	38	9.4	2.7	2.3	e3.5
20	e33	12	19	66	54	34	182	20	10	2.5	2.8	e4.5
21	e28	14	19	51	48	45	276	16	10	2.4	4.4	e6.5
22	e38	12	82	45	43	33	80	14	9.0	2.3	2.9	e7.7
23	e28	11	49	e46	40	30	131	12	8.3	2.1	2.5	e5.0
24	e19	10	35	e39	37	25	70	11	7.7	2.0	e2.4	e3.6
25	e13	13	28	e30	34	24	47	10	7.4	1.9	e2.3	e3.0
26	e11	17	24	e26	33	22	37	11	7.0	1.8	e2.3	e2.5
27	e9.8	53	22	e25	77	22	31	11	6.3	2.2	e2.3	e2.4
28	e9.0	84	20	e65	58	19	26	11	5.9	26	e2.2	e2.3
29	e8.0	30	20	e43	---	18	23	11	5.6	7.6	e2.2	e2.2
30	e11	22	19	e23	---	17	70	10	91	3.0	e2.1	e2.1
31	e19	---	18	e22	---	17	---	17	---	3.4	e2.9	---
TOTAL	467.1	702	1180	1381	1170	2409	1353	710	515.6	220.1	569.8	125.7
MEAN	15.1	23.4	38.1	44.5	41.8	77.7	45.1	22.9	17.2	7.10	18.4	4.19
MAX	38	84	137	117	161	672	276	60	91	29	263	8.7
MIN	6.2	10	17	15	17	17	13	10	5.6	1.8	2.1	2.1
CFSM	.96	1.49	2.42	2.84	2.66	4.95	2.87	1.46	1.09	.45	1.17	.27
IN.	1.11	1.66	2.80	3.27	2.77	5.71	3.21	1.68	1.22	.52	1.35	.30

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 1995, BY WATER YEAR (WY)

	11.5	25.2	43.5	35.5	46.2	47.8	38.4	38.2	17.8	11.4	8.24	8.20
MEAN	11.5	25.2	43.5	35.5	46.2	47.8	38.4	38.2	17.8	11.4	8.24	8.20
MAX	24.4	64.5	128	79.8	108	119	116	207	56.5	50.2	20.6	34.5
(WY)	1976	1987	1991	1979	1990	1980	1991	1991	1989	1989	1992	1979
MIN	3.68	5.00	10.2	10.2	16.6	20.2	8.58	3.85	3.25	3.14	2.54	2.08
(WY)	1979	1982	1982	1986	1992	1982	1986	1992	1988	1977	1981	1987

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1975 - 1995

	10405.9	10803.3	27.5	
ANNUAL TOTAL	10405.9	10803.3	27.5	
ANNUAL MEAN	28.5	29.6	58.0	1991
HIGHEST ANNUAL MEAN			12.6	1981
LOWEST ANNUAL MEAN				
HIGHEST DAILY MEAN	528	Feb 11	1200	May 26 1991
LOWEST DAILY MEAN	5.0	Aug 19	1.4a	Oct 5 1986
ANNUAL SEVEN-DAY MINIMUM	5.3	Aug 13	1.6	Sep 30 1986
INSTANTANEOUS PEAK FLOW			2330	May 26 1991
INSTANTANEOUS PEAK STAGE			13.13	May 26 1991
ANNUAL RUNOFF (CFSM)	1.82		1.75	
ANNUAL RUNOFF (INCHES)	24.66		23.81	
10 PERCENT EXCEEDS	54		52	
50 PERCENT EXCEEDS	18		14	
90 PERCENT EXCEEDS	7.9		3.5	

e Estimated

a but may have been lower during periods of estimated discharge.

02430100 MACKEYS CREEK NEAR MOORES MILL, MS

LOCATION.--Lat 34°29'13", long 88°20'44", in SW1/4 NW1/4 sec.10, T.7 S., R.9 E., Chickasaw Meridian, Prentiss County, Hydrologic Unit 03160601, on left bank 15 ft upstream from county bridge, 1.0 mi west of Moores Mill, and 0.5 mi west of the Tennessee-Tombigbee Waterway.

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

PERIOD OF RECORD.--October 1983 to current year. Daily mean gage heights published since October 1983.

GAGE.--Water-stage recorder. Datum of gage is 314.23 ft above sea level.

REMARKS.--No estimated daily discharges: Records good. Flow regulated by Tennessee-Tombigbee Waterway minimum-flow structures. Normal operation of minimum-flow structures began October 1987. Statistics shown below are for water years 1987 to the current year, except for instantaneous extremes, which are shown for the entire period of record. U.S. Army Corp of Engineers radio telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72	76	87	73	66	77	72	58	69	57	50	68
2	75	71	83	70	64	82	73	57	71	56	51	64
3	78	73	90	67	60	83	74	60	71	56	49	66
4	73	71	91	63	55	78	75	62	68	61	50	66
5	73	74	81	64	61	104	76	61	66	62	57	65
6	65	78	81	69	60	72	75	66	85	57	51	67
7	66	73	75	67	55	191	76	80	91	60	51	74
8	78	71	75	64	59	83	75	79	84	58	53	67
9	81	74	69	63	55	62	76	80	75	54	65	69
10	74	78	73	60	57	58	74	75	80	55	52	68
11	76	77	71	73	56	57	84	76	81	56	49	68
12	79	72	64	63	55	56	79	74	74	53	49	70
13	77	67	63	63	55	52	80	76	73	53	48	68
14	76	67	60	63	55	52	77	74	74	59	48	71
15	76	69	62	60	54	62	73	76	72	56	47	73
16	72	70	59	59	60	71	72	80	70	56	46	72
17	73	68	58	64	64	74	73	72	69	58	48	74
18	70	72	56	80	79	68	66	76	65	56	48	75
19	75	69	57	87	82	67	70	74	65	56	49	73
20	73	69	58	79	83	66	86	73	65	52	48	74
21	77	73	62	77	79	65	95	74	68	54	47	82
22	82	72	84	81	77	64	65	72	70	55	45	79
23	82	74	84	77	78	62	68	72	68	57	45	75
24	77	72	76	77	76	59	64	74	77	54	55	76
25	72	78	75	83	76	56	61	71	70	55	66	78
26	74	85	79	77	71	55	58	74	68	54	66	80
27	77	76	76	79	80	53	60	73	64	57	67	77
28	75	95	69	77	74	53	57	72	60	56	66	79
29	74	86	68	78	---	52	56	71	61	52	66	84
30	73	87	64	70	---	49	59	69	61	50	69	85
31	69	---	70	66	---	62	---	75	---	48	70	---
TOTAL	2314	2248	2220	2193	1846	2145	2149	2226	2135	1723	1671	2187
MEAN	74.6	74.9	71.6	70.7	65.9	69.2	71.6	71.8	71.2	55.6	53.9	72.9
MAX	82	95	91	87	83	191	95	80	91	62	70	85
MIN	65	67	56	59	54	49	56	57	60	48	45	64
CFSM	.64	.64	.61	.60	.56	.59	.61	.61	.61	.47	.46	.62
IN.	.73	.71	.70	.69	.58	.68	.68	.70	.68	.55	.53	.69

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1995, BY WATER YEAR (WY)

	MEAN	69.3	69.8	69.3	68.2	69.8	73.5	72.1	73.3	71.5	67.6	65.5	69.4
MAX	74.6	81.6	79.7	82.0	82.0	85.4	79.7	90.0	79.6	75.4	74.2	77.0	
(WY)	1995	1993	1988	1988	1991	1992	1988	1991	1991	1993	1993	1992	
MIN	60.3	48.9	60.8	56.8	42.8	57.9	64.8	64.5	64.9	55.6	53.9	58.9	
(WY)	1991	1992	1987	1991	1994	1987	1987	1987	1987	1995	1995	1987	

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1987 - 1995
ANNUAL TOTAL	24405	25057	
ANNUAL MEAN	66.9	68.6	69.9
HIGHEST ANNUAL MEAN			75.4
LOWEST ANNUAL MEAN			62.7
HIGHEST DAILY MEAN	130	191	345
LOWEST DAILY MEAN	21	45	20
ANNUAL SEVEN-DAY MINIMUM	27	47	22
INSTANTANEOUS PEAK FLOW		269	2500
INSTANTANEOUS PEAK STAGE		5.53	unknown
ANNUAL RUNOFF (CFSM)	.57	.58	.59
ANNUAL RUNOFF (INCHES)	7.72	7.93	8.08
10 PERCENT EXCEEDS	78	80	80
50 PERCENT EXCEEDS	69	70	70
90 PERCENT EXCEEDS	54	54	59

MOBILE RIVER BASIN

02430100 MACKEYS CREEK NEAR MOORES MILL, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.37	3.41	3.55	3.33	3.20	3.37	3.27	3.10	3.37	3.21	3.03	3.33
2	3.41	3.34	3.49	3.28	3.16	3.44	3.30	3.08	3.41	3.19	3.05	3.25
3	3.45	3.36	3.59	3.23	3.08	3.46	3.31	3.15	3.41	3.19	3.01	3.27
4	3.39	3.33	3.60	3.16	3.00	3.39	3.34	3.18	3.36	3.26	3.02	3.27
5	3.38	3.38	3.47	3.18	3.10	3.72	3.36	3.17	3.33	3.28	3.16	3.26
6	3.25	3.44	3.47	3.26	3.09	3.28	3.34	3.25	3.54	3.20	3.05	3.30
7	3.27	3.36	3.38	3.24	3.00	4.72	3.36	3.47	3.64	3.25	3.04	3.40
8	3.45	3.34	3.38	3.17	3.07	3.42	3.35	3.46	3.57	3.20	3.09	3.29
9	3.49	3.37	3.28	3.16	3.00	3.11	3.36	3.48	3.46	3.14	3.27	3.32
10	3.38	3.44	3.34	3.12	3.03	3.04	3.33	3.41	3.53	3.16	3.05	3.32
11	3.41	3.42	3.31	3.33	3.02	3.02	3.48	3.44	3.53	3.18	3.00	3.31
12	3.45	3.35	3.20	3.16	2.99	2.99	3.41	3.41	3.47	3.11	2.99	3.34
13	3.43	3.27	3.17	3.15	3.00	2.91	3.43	3.43	3.45	3.10	2.97	3.31
14	3.41	3.27	3.11	3.16	3.00	2.91	3.39	3.41	3.47	3.22	2.97	3.36
15	3.42	3.30	3.16	3.10	2.98	3.10	3.33	3.45	3.44	3.16	2.96	3.40
16	3.35	3.31	3.10	3.09	3.09	3.26	3.31	3.49	3.42	3.16	2.93	3.38
17	3.37	3.29	3.09	3.17	3.15	3.31	3.34	3.40	3.41	3.21	2.98	3.41
18	3.32	3.34	3.04	3.44	3.40	3.21	3.22	3.44	3.35	3.17	2.97	3.42
19	3.40	3.29	3.07	3.53	3.45	3.19	3.28	3.42	3.36	3.16	2.97	3.40
20	3.38	3.28	3.09	3.42	3.46	3.18	3.49	3.41	3.35	3.07	2.97	3.40
21	3.43	3.35	3.14	3.40	3.40	3.15	3.62	3.42	3.40	3.11	2.94	3.51
22	3.49	3.35	3.50	3.45	3.37	3.13	3.21	3.40	3.43	3.13	2.91	3.47
23	3.50	3.37	3.50	3.40	3.39	3.10	3.27	3.40	3.40	3.18	2.89	3.43
24	3.43	3.34	3.39	3.38	3.36	3.04	3.20	3.43	3.51	3.12	3.08	3.44
25	3.36	3.44	3.38	3.48	3.35	2.99	3.15	3.39	3.43	3.13	3.30	3.46
26	3.39	3.52	3.43	3.39	3.27	2.97	3.09	3.43	3.40	3.12	3.30	3.48
27	3.44	3.55	3.38	3.42	3.42	2.92	3.12	3.42	3.33	3.16	3.31	3.45
28	3.41	3.64	3.27	3.40	3.33	2.93	3.08	3.41	3.26	3.15	3.29	3.48
29	3.39	3.54	3.25	3.40	---	2.91	3.07	3.40	3.28	3.06	3.28	3.54
30	3.37	3.55	3.19	3.26	---	2.85	3.13	3.37	3.28	3.03	3.33	3.55
31	3.30	---	3.29	3.19	---	3.10	---	3.46	---	2.99	3.35	---
MEAN	3.40	3.38	3.31	3.29	3.18	3.20	3.30	3.37	3.42	3.15	3.08	3.38
MAX	3.50	3.64	3.60	3.53	3.46	4.72	3.62	3.49	3.64	3.28	3.35	3.55
MIN	3.25	3.27	3.04	3.09	2.98	2.85	3.07	3.08	3.26	2.99	2.89	3.25
CAL YR 1994	MEAN 3.26		MAX 4.06		MIN 2.33							
WTR YR 1995	MEAN 3.29		MAX 4.72		MIN 2.85							

02430500 TOMBIGBEE RIVER NEAR MARIETTA, MS

LOCATION.--Lat 34°25'35", long 88°25'16", in SE1/4 sec.35, T.7 S., R.8 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, at bridge on unimproved road 0.5 mi downstream from confluence of Big Brown Creek Canal and Mackeys Creek, and 6 mi southeast of Marietta.

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

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 282.16 ft above sea level. October 1968 to September 1977, nonrecording gage.

REMARKS.--Estimated daily discharges: Dec. 26-Jan. 3, 24-Mar. 14, Jun. 16-21. Records fair except for estimated daily discharges, which are poor. Discharges above 500 ft³/s not determined. Satellite telemeter, telemeter, and U.S. Army Corps of Engineers radio telemeter at station.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, not determined, maximum gage height, not determined, minimum daily discharge, 90 ft³/s, Aug. 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	109	147	429	e230	e300	e450	229	---	224	231	79	92
2	116	145	318	e220	e280	e350	235	---	303	116	79	89
3	137	133	321	e212	e260	e300	228	453	245	84	75	87
4	122	129	---	---	e240	e280	225	375	195	210	76	114
5	107	279	---	206	e210	---	221	366	161	230	275	99
6	101	---	---	463	e210	---	211	295	145	218	359	92
7	95	494	467	---	e200	---	205	272	251	118	240	113
8	119	380	360	---	e210	---	198	256	193	95	327	113
9	160	293	306	444	e200	---	192	304	143	93	353	108
10	175	407	---	345	e190	---	187	312	129	124	380	112
11	126	343	---	457	e220	---	260	243	144	97	253	110
12	347	275	---	487	e240	---	469	214	191	95	395	110
13	---	235	---	402	e230	---	333	196	170	82	165	91
14	392	214	439	---	e220	e430	254	195	140	82	121	83
15	246	200	359	---	e240	---	225	241	129	80	114	98
16	187	193	422	---	e350	424	201	293	e115	79	108	117
17	157	189	416	---	---	446	200	240	e110	79	102	105
18	151	179	351	455	---	392	190	203	e108	78	94	96
19	169	173	292	---	---	343	181	311	e106	75	91	91
20	213	166	267	---	---	323	339	245	e104	71	94	87
21	289	173	---	---	e450	441	---	195	e101	73	150	136
22	312	181	---	---	e350	381	---	169	---	125	129	132
23	326	161	---	---	e300	336	---	153	97	136	103	94
24	233	155	---	e350	e250	296	---	142	100	85	92	93
25	194	155	---	e300	e230	273	436	137	108	84	90	91
26	173	178	e420	e320	e210	271	344	132	113	123	90	125
27	164	---	e350	e350	e300	262	276	136	102	98	90	131
28	158	---	e300	e430	---	243	264	135	89	85	90	127
29	147	---	e270	e390	---	232	228	131	81	106	88	130
30	148	---	e250	e360	---	228	432	130	98	93	92	130
31	140	---	e240	e330	---	214	---	136	---	78	91	---
TOTAL	---	---	---	---	---	---	---	---	---	3423	4885	3196
MEAN	---	---	---	---	---	---	---	---	---	110	158	107
MAX	---	---	---	---	---	---	---	---	---	231	395	136
MIN	---	---	---	---	---	---	---	---	---	71	75	83
CFSM	---	---	---	---	---	---	---	---	---	.36	.51	.35
IN.	---	---	---	---	---	---	---	---	---	.41	.59	.39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1995, BY WATER YEAR (WY)

	MEAN	77.4	267	310	797	777	728	439	233	211	139	106	104
MAX	180	1546	718	2569	2124	1595	1265	778	1754	628	351	677	
(WY)	1994	1949	1946	1949	1950	1944	1940	1946	1939	1946	1950	1950	
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	
(WY)	1979	1979	1979	1979	1979	1979	1978	1978	1978	1978	1978	1978	

SUMMARY STATISTICS

WATER YEARS 1938 - 1995

ANNUAL MEAN	396
HIGHEST ANNUAL MEAN	753
LOWEST ANNUAL MEAN	.000
HIGHEST DAILY MEAN	15000
LOWEST DAILY MEAN	.00
ANNUAL SEVEN-DAY MINIMUM	.00
INSTANTANEOUS PEAK FLOW	30600
INSTANTANEOUS PEAK STAGE	15.24
ANNUAL RUNOFF (CFSM)	1.29
ANNUAL RUNOFF (INCHES)	17.47
10 PERCENT EXCEEDS	560
50 PERCENT EXCEEDS	130
90 PERCENT EXCEEDS	.00

e Estimated

MOBILE RIVER BASIN

02430500 TOMBIGBEE RIVER NEAR MARIETTA, MS--Continued

WATER-QUALITY RECORDS

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

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
NOV 15...	0845	225	48	29
JAN 03...	1600	212	29	17
FEB 15...	1140	222	25	15
MAR 29...	1230	227	41	25
JUN 21...	1120	100	51	14
JUL 26...	1220	123	57	19

MOBILE RIVER BASIN

37

02430615 MUD CREEK NEAR FAIRVIEW, MS

LOCATION.--Lat 34°23'32", long 88°21'17", in NW1/4 NE1/4 sec.16, T.8 S., R.9 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, at left bank on downstream side of bridge on county road 3.0 mi northwest of Fairview and 8.8 mi north-northeast of Fulton.

DRAINAGE AREA.--11.1 mi².

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

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

GAGE.--Water-stage recorder. Elevation of gage is 313 ft above sea level, from topographic map.

REMARKS.--Estimated daily discharges: Mar. 12-15, 17-20, 22-30. Records good except estimated daily discharges, which are poor. U.S. Army Corps of Engineers radio telemeter at station.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 16	0830	440	8.94	Mar. 7	1845	*1080	*9.95
Mar. 7	0345	836	9.62	Apr. 20	2315	970	9.81

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.5	11	13	14	15	18	15	42	21	12	4.8	4.3
2	14	9.5	12	14	14	15	15	24	28	7.4	4.4	4.3
3	14	9.3	33	13	14	17	14	19	14	7.4	4.2	4.2
4	8.8	9.3	69	13	13	20	15	25	16	11	4.9	4.3
5	7.9	28	28	13	13	137	14	19	12	14	95	4.4
6	7.2	27	20	47	13	49	14	16	11	8.9	24	4.3
7	7.0	13	17	26	15	707	14	16	12	7.3	46	4.2
8	7.0	12	15	17	14	190	14	14	10	6.8	59	4.2
9	17	30	14	15	13	52	13	30	9.8	7.0	43	4.2
10	9.9	30	83	15	16	37	13	16	9.4	6.7	14	4.4
11	8.4	16	31	36	14	32	45	15	13	6.2	9.1	4.4
12	43	13	22	21	13	e28	31	14	19	5.9	8.2	8.0
13	21	12	19	25	13	e25	17	14	11	5.7	7.1	14
14	13	12	18	33	13	e22	15	13	9.7	5.7	6.4	5.8
15	11	12	18	24	13	e21	15	28	9.2	5.6	6.1	5.1
16	9.9	12	21	18	165	44	14	18	8.8	5.3	5.7	19
17	9.1	12	19	16	34	e25	14	14	8.5	4.9	5.5	12
18	8.9	11	16	26	23	e22	12	31	8.3	4.8	5.4	6.6
19	11	11	15	55	19	e17	12	49	11	4.6	5.1	5.5
20	13	11	15	22	17	e15	203	17	13	4.5	5.1	5.5
21	13	14	15	19	16	32	259	14	11	4.4	7.6	5.7
22	19	12	46	18	15	e23	41	13	9.5	4.5	5.8	6.8
23	13	11	24	20	14	e19	90	12	8.6	4.5	5.2	6.0
24	11	10	18	17	13	e15	33	11	8.1	4.4	4.9	5.5
25	10	11	16	16	13	e14	25	11	7.9	4.3	4.8	5.4
26	9.6	15	15	15	13	e15	21	11	7.1	4.2	4.8	5.4
27	9.3	38	15	18	41	e14	19	11	6.5	4.4	4.8	5.2
28	9.3	44	14	34	24	e14	17	17	6.8	4.8	4.6	5.0
29	9.1	18	15	19	---	e15	16	14	6.8	5.8	4.5	4.9
30	9.3	14	16	16	---	e15	43	12	30	4.8	4.4	4.8
31	9.7	---	15	15	---	15	---	26	---	4.4	4.4	---
TOTAL	369.9	488.1	707	670	613	1684	1083	586	357.0	192.2	418.8	183.4
MEAN	11.9	16.3	22.8	21.6	21.9	54.3	36.1	18.9	11.9	6.20	13.5	6.11
MAX	43	44	83	55	165	707	259	49	30	14	95	19
MIN	6.5	9.3	12	13	13	14	12	11	6.5	4.2	4.2	4.2
CFSM	1.07	1.47	2.05	1.95	1.97	4.89	3.25	1.70	1.07	.56	1.22	.55
IN.	1.24	1.64	2.37	2.25	2.05	5.64	3.63	1.96	1.20	.64	1.40	.61

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 1995, BY WATER YEAR (WY)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
MEAN	9.75	18.7	29.3	23.2	29.2	31.7	25.8	26.8	14.6	9.53	7.38	7.95									
MAX	21.3	46.3	95.7	47.1	78.0	71.3	82.8	134	33.1	19.8	20.9	18.3									
(WY)	1976	1987	1991	1979	1991	1980	1991	1991	1989	1994	1975	1975									
MIN	4.14	4.51	8.41	8.41	12.9	10.2	5.62	6.04	2.85	3.29	2.21	2.78									
(WY)	1979	1982	1982	1986	1986	1982	1986	1981	1988	1988	1981	1986									

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1975 - 1995

ANNUAL TOTAL	8258.7	7352.4	
ANNUAL MEAN	22.6	20.1	
HIGHEST ANNUAL MEAN			19.3
LOWEST ANNUAL MEAN			45.2
HIGHEST DAILY MEAN	576	707	984
LOWEST DAILY MEAN	5.9	4.2	1.4
ANNUAL SEVEN-DAY MINIMUM	6.2	4.3	1.5
INSTANTANEOUS PEAK FLOW		1080	1510
INSTANTANEOUS PEAK STAGE		9.95	10.49
ANNUAL RUNOFF (CFSM)	2.04	1.81	1.74
ANNUAL RUNOFF (INCHES)	27.68	24.64	23.63
10 PERCENT EXCEEDS	34	32	33
50 PERCENT EXCEEDS	15	14	12
90 PERCENT EXCEEDS	7.3	4.9	4.2

e Estimated

a Also occurred on Aug 3, Sept 3, 7-9.

02430680 TWENTYMILE CREEK NEAR GUNTOWN, MS

LOCATION.--Lat 34°27'11", long 88°34'37", in 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 Baldwin, and 6.0 mi east of Guntown.

DRAINAGE AREA.--131 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1982 to current year. September 1964 to January 1975, discharge measurements only, and February 1975 to June 1977, discharge measurements and gage-height record only, in files of U. S. Army Corps of Engineers. July 1977 to September 1982, gage-height records only, in files of U.S. Geological Survey.

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

REMARKS.--Estimated discharges: Mar. 4-28, Apr. 29-30, May 1-10. Records good except for estimated discharges, which are poor. U.S. Army Corps of Engineers radio telemeter at station.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
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No peaks greater than base discharge.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	10	67	65	83	149	51	e90	153	16	9.0	2.0
2	5.4	10	59	57	77	3600	50	e130	725	9.2	6.5	1.7
3	10	8.4	250	52	70	7980	50	e100	92	10	2.8	1.4
4	4.4	7.5	1490	50	63	e900	50	e80	56	17	2.7	1.2
5	2.4	903	280	44	59	e250	46	e62	38	32	824	1.2
6	1.7	501	150	1300	58	e170	45	e56	30	28	303	1.3
7	1.3	84	104	618	66	e130	44	e50	34	14	179	1.1
8	1.4	47	79	184	59	e80	44	e150	25	12	43	1.1
9	25	46	71	129	58	e70	42	e320	21	24	25	.96
10	22	204	2760	100	79	e60	43	e90	18	30	20	.88
11	11	92	458	134	61	e50	163	62	85	15	117	.90
12	114	54	217	113	52	e45	124	53	50	9.6	151	.96
13	85	42	132	108	51	e49	61	46	22	7.3	31	.91
14	25	36	101	731	53	e45	47	44	16	5.8	19	1.0
15	16	35	100	1110	59	e42	44	129	13	4.5	16	1.1
16	12	30	154	282	1310	e39	42	95	11	3.6	12	1.7
17	10	30	130	175	443	e40	40	59	9.4	2.8	10	3.3
18	10	28	93	373	187	e39	38	44	8.2	3.0	8.7	4.5
19	16	25	75	3470	134	e38	38	107	6.7	2.9	8.6	4.1
20	24	23	65	537	110	e41	687	48	7.3	2.6	8.2	2.7
21	30	24	67	233	89	e45	1910	36	7.6	2.4	26	2.0
22	41	23	1770	163	72	e49	224	31	7.0	3.4	17	2.7
23	37	21	347	179	69	e48	723	26	6.6	3.9	11	3.4
24	23	18	171	146	63	e46	270	24	5.4	5.4	7.5	2.2
25	19	18	117	118	56	e48	140	24	4.6	4.6	5.7	1.6
26	13	26	93	104	55	e54	101	68	4.6	2.5	4.3	1.5
27	9.3	1460	81	154	537	e58	80	63	4.2	2.2	3.9	1.3
28	7.6	1190	73	285	298	e59	67	33	3.4	4.2	3.3	.99
29	7.0	174	71	136	---	56	e58	35	3.2	13	2.8	.79
30	7.0	95	75	102	---	55	e54	27	3.8	11	2.3	.55
31	8.1	---	68	86	---	54	---	43	---	5.1	2.2	---
TOTAL	600.0	5264.9	9768	11338	4371	14389	5376	2225	1471.0	307.0	1882.5	51.04
MEAN	19.4	175	315	366	156	464	179	71.8	49.0	9.90	60.7	1.70
MAX	114	1460	2760	3470	1310	7980	1910	320	725	32	824	4.5
MIN	1.3	7.5	59	44	51	38	38	24	3.2	2.2	2.2	.55
CFSM	.15	1.34	2.41	2.79	1.19	3.54	1.37	.55	.37	.08	.46	.01
IN.	.17	1.50	2.77	3.22	1.24	4.09	1.53	.63	.42	.09	.53	.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 1995, BY WATER YEAR (WY)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
MEAN	29.0	239	447	297	485	351	296	358	139	41.6	42.4	15.2		
MAX	97.7	785	1157	898	1195	652	912	1946	711	282	329	60.3		
(WY)	1986	1984	1992	1989	1990	1994	1991	1991	1989	1989	1992	1992		
MIN	1.02	7.36	60.7	19.6	132	114	16.8	11.0	1.09	1.98	1.77	1.15		
(WY)	1988	1991	1986	1986	1986	1988	1986	1988	1988	1990	1988	1984		

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1982 - 1995
ANNUAL TOTAL	88588.3	57043.44	
ANNUAL MEAN	243	156	229
HIGHEST ANNUAL MEAN			435
LOWEST ANNUAL MEAN			66.6
HIGHEST DAILY MEAN	6020	7980	15500
LOWEST DAILY MEAN	1.2	.55	.00
ANNUAL SEVEN-DAY MINIMUM	1.7	.96	.05
INSTANTANEOUS PEAK FLOW		8590	41500
INSTANTANEOUS PEAK STAGE		21.00	30.88
INSTANTANEOUS LOW FLOW		.40	1.75
ANNUAL RUNOFF (CFSM)	1.85	1.19	23.73
ANNUAL RUNOFF (INCHES)	25.16	16.20	381
10 PERCENT EXCEEDS	462	240	43
50 PERCENT EXCEEDS	62	44	2.0
90 PERCENT EXCEEDS	5.2	2.7	

e Estimated

02430680 TWENTYMILE CREEK NEAR GUNTOWN, MS--Continued

WATER-QUALITY RECORDS

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

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
NOV 15...	1025	41	57	6.3
JAN 05...	1415	43	44	5.1
FEB 15...	1340	56	44	6.7
MAY 09...	1300	319	51	44

MOBILE RIVER BASIN

02430880 CUMMINGS CREEK NEAR FULTON, MS

LOCATION.--Lat 34°18'16", long 88°22'16", in NE1/4 sec.17, T.9 S., R.9 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, on left bank at the downstream end of bridge on county road, 3.2 mi northeast of Fulton, and 4.2 mi upstream from mouth.

DRAINAGE AREA.--19.1 mi².

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

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

REMARKS.--Estimated daily discharges: Oct. 1, Apr. 21 - May 9. Records poor. U.S. Army Corps of Engineers radio telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e12	20	14	17	53	51	24	e47	25	16	9.4	9.4
2	49	18	13	16	53	48	23	e40	34	16	9.1	9.4
3	32	18	31	15	54	49	22	e33	16	23	9.1	9.4
4	12	19	61	16	54	50	21	e43	17	20	9.1	9.1
5	7.4	25	21	26	54	137	20	e30	17	25	72	8.5
6	6.3	38	15	59	55	82	20	e26	27	15	30	7.6
7	5.9	21	13	45	57	544	20	e25	19	14	60	7.9
8	6.2	18	12	39	57	192	20	e24	16	14	110	8.0
9	33	22	12	37	57	66	20	e30	20	14	35	8.2
10	20	37	55	36	63	59	21	37	24	13	13	8.5
11	12	28	24	48	61	53	44	39	22	13	12	8.6
12	38	26	17	46	60	51	40	37	27	13	12	9.1
13	28	25	15	48	61	49	27	36	19	13	12	9.1
14	18	20	14	56	61	47	25	34	26	12	12	9.5
15	16	17	15	51	72	45	24	32	34	12	12	9.7
16	15	17	17	49	789	56	20	34	17	12	11	9.9
17	12	18	16	48	111	50	16	31	18	11	11	10
18	9.8	16	14	56	72	47	13	29	18	11	11	10
19	14	17	13	63	68	44	13	33	19	11	11	11
20	19	18	13	48	64	41	84	25	19	11	11	11
21	16	26	13	46	62	39	e160	36	19	11	11	11
22	28	22	36	46	60	36	e90	25	19	11	10	12
23	21	19	25	48	60	35	e68	25	19	10	10	12
24	17	18	18	47	59	33	e140	25	18	10	10	12
25	15	13	17	47	57	31	e60	26	18	9.9	10	12
26	15	21	15	47	57	30	e45	26	17	9.6	9.9	13
27	15	46	15	50	77	29	e37	19	17	9.4	9.9	13
28	16	52	15	63	56	27	e32	26	17	9.4	9.9	13
29	17	22	15	53	---	26	e29	31	16	9.4	9.7	13
30	17	15	19	52	---	25	e60	31	17	9.4	9.6	14
31	15	---	17	52	---	24	---	32	---	9.4	9.6	---
TOTAL	557.6	692	610	1370	2464	2096	1238	967	611	397.5	581.3	308.9
MEAN	18.0	23.1	19.7	44.2	88.0	67.6	41.3	31.2	20.4	12.8	18.8	10.3
MAX	49	52	61	63	789	544	160	47	34	25	110	14
MIN	5.9	13	12	15	53	24	13	19	16	9.4	9.1	7.6
CFSM	.94	1.21	1.03	2.31	4.61	3.54	2.16	1.63	1.07	.67	.98	.54
IN.	1.09	1.35	1.19	2.67	4.80	4.08	2.41	1.88	1.19	.77	1.13	.60

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 1995, BY WATER YEAR (WY)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
MEAN	18.6	31.9	45.9	40.6	49.5	53.2	45.8	43.2	24.0	17.2	14.9	16.3									
MAX	42.6	71.4	135	80.6	106	116	108	173	58.2	38.1	38.1	37.0									
(WY)	1976	1987	1991	1979	1991	1980	1983	1991	1991	1989	1975	1975									
MIN	8.37	13.4	18.1	16.5	23.0	23.5	13.3	10.3	5.34	5.55	4.03	4.05									
(WY)	1991	1982	1982	1986	1986	1982	1986	1988	1988	1988	1988	1986									

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1975 - 1995

ANNUAL TOTAL	10800.6	11893.3	33.2
ANNUAL MEAN	29.6	32.6	65.0
HIGHEST ANNUAL MEAN			17.2
LOWEST ANNUAL MEAN			1200
HIGHEST DAILY MEAN	303	Mar 27	789
LOWEST DAILY MEAN	5.9	Oct 7	5.9
ANNUAL SEVEN-DAY MINIMUM	11	Sep 9	8.2
INSTANTANEOUS PEAK FLOW			2200
INSTANTANEOUS PEAK STAGE			11.06
ANNUAL RUNOFF (CFSM)	1.55		1.71
ANNUAL RUNOFF (INCHES)	21.04		23.16
10 PERCENT EXCEEDS	47		58
50 PERCENT EXCEEDS	23		20
90 PERCENT EXCEEDS	12		9.9

e Estimated

02431000 TOMBIGBEE RIVER NEAR FULTON, MS

LOCATION.--Lat 34°15'53", long 88°26'42", in 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 U.S. Highway 78, 1,000 ft downstream from Twentymile-Fulton Canal, 2.2 mi west of Fulton, 6.2 mi upstream from Mantachie Creek Canal, 13.5 mi downstream from Twentymile Creek Canal, and at mile 421.7.

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

WATER-DISCHARGE RECORDS

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

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

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

REMARKS.--Estimated daily discharges: June 27 - July 11. Records good except for 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. Telemeter, satellite telemeter, and U.S. Army Corps of Engineers radio telemeter at station.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Mar. 8	1200	*22,700	*20.29	No other peaks greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	114	232	1490	431	572	944	464	956	295	e320	92	95
2	128	246	1140	408	535	737	455	1260	683	e150	95	91
3	163	242	867	385	495	601	460	1160	608	e250	90	86
4	169	234	1500	366	463	538	445	983	360	e400	87	94
5	146	258	2100	349	437	2070	438	876	298	e350	434	118
6	133	1350	1860	445	418	9750	427	693	257	e250	777	89
7	125	955	1580	1850	413	11200	420	571	259	e200	603	94
8	121	675	1220	1590	423	20600	412	513	274	e170	582	115
9	165	662	871	1270	413	13000	406	487	229	e150	506	115
10	226	936	1110	954	407	6820	398	560	189	e210	500	114
11	199	873	3360	843	443	3390	409	469	179	e180	393	117
12	278	658	2860	916	433	2020	647	416	316	162	508	114
13	549	555	2170	823	401	1430	575	400	256	152	415	130
14	434	496	1700	1100	391	1070	512	371	234	133	286	89
15	388	451	1240	1720	390	835	489	342	203	131	223	85
16	367	418	927	1980	1510	784	463	480	174	126	164	109
17	333	377	849	1690	2380	1040	434	413	148	122	129	132
18	300	343	721	1410	1960	938	415	368	132	120	109	114
19	283	324	600	3180	1610	828	390	458	122	119	97	98
20	274	305	503	5460	1240	716	458	455	114	109	94	92
21	285	301	458	3610	893	724	2930	381	115	99	109	100
22	345	303	878	2350	650	732	5030	338	117	105	161	148
23	399	293	1930	1760	539	678	4040	301	116	142	129	126
24	372	278	1600	1360	500	637	3420	273	113	140	110	99
25	338	270	1310	1030	454	595	2180	251	117	100	98	94
26	308	273	981	806	430	572	1540	237	117	104	105	96
27	276	525	730	684	558	561	1030	278	e130	133	101	132
28	251	1730	577	922	1220	552	690	269	e120	107	98	132
29	239	2130	498	939	---	528	546	275	e115	103	92	131
30	238	1800	467	757	---	515	661	252	e200	126	90	134
31	232	---	450	644	---	491	---	247	---	108	98	---
TOTAL	8178	18493	38547	42032	20578	85896	31184	15333	6590	5071	7375	3283
MEAN	264	616	1243	1356	735	2771	1039	495	220	164	238	109
MAX	549	2130	3360	5460	2380	20600	5030	1260	683	400	777	148
MIN	114	232	450	349	390	491	390	237	113	99	87	85
CFSM	.43	1.01	2.03	2.22	1.20	4.53	1.70	.81	.36	.27	.39	.18
IN.	.50	1.12	2.34	2.55	1.25	5.22	1.90	.93	.40	.31	.45	.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 1995, BY WATER YEAR (WY)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
MEAN	218	665	1438	1183	1954	1524	935	1263	679	307	247
MAX	382	2056	4885	3273	4652	2771	3244	7724	2880	1232	931
(WY)	1990	1987	1992	1989	1990	1995	1991	1991	1989	1992	1992
MIN	105	147	293	152	442	540	165	148	92.6	113	82.8
(WY)	1988	1991	1986	1986	1986	1985	1986	1988	1988	1986	1986

SUMMARY STATISTICS FOR 1994 CALENDAR YEAR FOR 1995 WATER YEAR WATER YEARS 1985 - 1995

	1994	1995	1985-1995
ANNUAL TOTAL	375079	282560	
ANNUAL MEAN	1028	774	876
HIGHEST ANNUAL MEAN			1837
LOWEST ANNUAL MEAN			353
HIGHEST DAILY MEAN	16800	Feb 12	20600 Mar 8
LOWEST DAILY MEAN	105	Sep 21	85 Sep 15
ANNUAL SEVEN-DAY MINIMUM	112	Sep 15	92 Aug 29
INSTANTANEOUS PEAK FLOW			22700 Mar 8
INSTANTANEOUS PEAK STAGE			20.29 Mar 8
ANNUAL RUNOFF (CFSM)	1.68		1.26
ANNUAL RUNOFF (INCHES)	22.80		17.18
10 PERCENT EXCEEDS	2120		1590
50 PERCENT EXCEEDS	473		409
90 PERCENT EXCEEDS	140		109

e Estimated

a Gage Height, 25.75 ft, from rating curve extended above 48,000 ft³/s on basis of estimate of flow by indirect methods.

MOBILE RIVER BASIN

02431000 TOMBIGBEE RIVER NEAR FULTON, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.92	7.44	14.29	9.72	10.53	12.69	9.11	12.26	8.50	---	6.92	6.98
2	7.00	7.54	13.15	9.51	10.27	11.72	9.05	13.50	11.22	---	6.96	6.95
3	7.28	7.47	11.97	9.29	9.98	10.97	9.11	13.15	10.98	---	6.90	6.89
4	7.34	7.39	14.21	9.10	9.72	10.56	8.99	12.42	9.15	---	6.87	6.97
5	7.14	7.59	15.65	8.94	9.50	14.17	8.94	11.91	8.62	---	9.48	7.20
6	7.01	13.72	15.21	9.56	9.32	18.08	8.85	11.00	8.26	---	12.01	6.92
7	6.93	12.17	14.58	15.23	9.27	18.34	8.79	10.28	8.30	---	11.14	6.97
8	6.89	10.78	13.52	14.69	9.34	19.94	8.74	9.88	8.45	---	10.90	7.16
9	7.30	10.69	12.10	13.84	9.25	18.66	8.70	9.71	8.08	---	10.42	7.15
10	7.79	12.05	12.82	12.70	9.19	17.52	8.63	10.25	7.80	---	10.47	7.15
11	7.57	11.72	16.56	12.20	9.50	16.60	8.74	9.61	7.73	---	9.59	7.17
12	8.25	10.60	16.32	12.54	9.40	15.53	10.46	9.18	8.93	7.66	10.49	7.14
13	10.51	9.93	15.77	12.09	9.11	14.33	10.04	9.06	8.40	7.56	9.77	7.29
14	9.62	9.50	14.89	13.20	9.01	13.24	9.61	8.81	8.21	7.38	8.62	6.90
15	9.20	9.17	13.64	14.96	9.00	12.26	9.45	8.56	8.01	7.35	8.07	6.86
16	8.98	8.89	12.48	15.47	13.86	12.00	9.27	9.77	7.80	7.30	7.60	7.08
17	8.65	8.54	12.13	14.92	16.03	13.07	9.03	9.25	7.59	7.25	7.28	7.30
18	8.34	8.24	11.49	14.21	15.41	12.60	8.87	8.86	7.46	7.22	7.10	7.13
19	8.16	8.09	10.81	16.01	14.68	12.01	8.66	9.67	7.38	7.21	6.98	6.97
20	8.07	7.95	10.16	17.26	13.64	11.36	9.07	9.67	7.33	7.12	6.95	6.91
21	8.14	7.93	9.84	16.71	12.30	11.33	15.94	9.05	7.36	7.01	7.10	6.99
22	8.66	7.96	11.78	15.95	11.06	11.30	17.17	8.67	7.36	7.06	7.59	7.43
23	9.13	7.89	15.39	15.05	10.38	10.93	16.93	8.37	7.35	7.40	7.29	7.22
24	8.86	7.76	14.72	14.04	10.12	10.62	16.62	8.13	7.32	7.37	7.12	6.97
25	8.53	7.71	13.97	12.91	9.78	10.29	15.71	7.94	7.35	6.99	7.00	6.92
26	8.25	7.76	12.85	11.90	9.60	10.07	14.34	7.84	7.34	7.03	7.07	6.93
27	7.94	9.64	11.69	11.25	10.43	9.91	12.51	8.24	---	7.30	7.03	7.27
28	7.68	14.73	10.81	12.43	13.69	9.78	10.89	8.18	---	7.06	7.00	7.27
29	7.55	15.70	10.28	12.51	---	9.55	10.02	8.26	---	7.02	6.94	7.26
30	7.52	15.06	10.04	11.62	---	9.47	10.68	8.07	---	7.23	6.92	7.28
31	7.46	---	9.90	10.99	---	9.31	---	8.03	---	7.07	7.00	---
MEAN	8.02	9.72	13.00	12.93	10.83	12.85	10.76	9.60	---	---	8.15	7.09
MAX	10.51	15.70	16.56	17.26	16.03	19.94	17.17	13.50	---	---	12.01	7.43
MIN	6.89	7.39	9.84	8.94	9.00	9.31	8.63	7.84	---	---	6.87	6.86

CAL YR 1994 MEAN 10.72 MAX 19.32 MIN 6.89

WATER-QUALITY RECORDS

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

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
NOV				
14...	1330	400	69	75
DEC				
20...	0735	492	115	153
JAN				
30...	1430	694	81	152
FEB				
27...	2040	784	178	377
27...	2350	1040	282	792
28...	0630	1270	346	1190
28...	0900	1280	313	1080
28...	1100	1280	252	871
MAR				
05...	1700	2090	1450	8180
05...	1920	3180	1350	11600
06...	0800	10000	665	18000
06...	1115	10200	604	16600
06...	1305	10200	782	21500
APR				
04...	1130	346	44	41
MAY				
15...	1330	292	53	42
JUL				
26...	1055	94	25	6.3

02432500 BULL MOUNTAIN CREEK AT TREMONT, MS

LOCATION.--Lat 34°14'20", long 88°16'15", in NE1/4 SW1/4 sec.5, T.10 S., R.10 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, on left bank at downstream side of bridge on U.S. Highway 78, 0.7 mi northwest of Tremont, 1.5 mi upstream from Johns Creek, 1.5 mi upstream from Cypress Creek, 8.0 mi southeast of Fulton, and 27.2 mi upstream from the mouth.

DRAINAGE AREA.--136 mi².

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

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

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge not determined, maximum gage height 8.65 ft, Feb. 17, minimum discharge, 17 ft³/s, Oct. 2.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	57	154	104	180	---	115	---	168	79	39	20
2	19	63	130	99	168	---	111	---	186	58	40	25
3	51	56	122	91	157	---	107	198	139	50	34	26
4	60	53	---	88	147	---	104	---	106	---	32	22
5	33	53	---	84	139	---	103	---	91	---	73	20
6	26	167	---	99	129	---	99	---	83	---	127	20
7	25	145	---	---	128	---	96	185	77	150	80	19
8	24	96	181	158	129	---	93	160	71	106	63	19
9	28	82	158	133	118	---	90	---	67	93	57	23
10	50	136	---	122	131	---	87	---	78	85	60	22
11	41	131	---	134	158	---	126	---	77	72	53	21
12	39	107	---	160	136	---	---	---	---	62	50	22
13	91	91	---	146	123	---	172	---	168	56	49	23
14	78	83	175	---	119	---	136	184	103	56	41	22
15	54	78	156	---	125	---	120	163	82	87	37	22
16	47	73	155	---	---	---	110	---	70	75	35	22
17	43	71	156	---	---	---	102	185	63	55	32	29
18	41	68	142	200	---	---	96	156	58	56	31	42
19	40	66	128	---	---	---	89	196	54	62	29	26
20	43	64	118	---	---	187	144	182	61	48	28	24
21	67	64	113	---	---	---	---	145	76	41	78	26
22	103	64	144	---	---	192	---	125	63	39	58	49
23	160	60	---	---	---	176	---	112	56	37	39	59
24	91	57	155	---	---	161	---	102	50	34	33	37
25	71	56	136	---	183	150	---	96	47	33	30	28
26	64	60	123	195	171	142	---	116	44	31	28	26
27	60	122	115	183	---	142	---	116	42	30	27	26
28	55	---	109	---	---	141	---	111	40	35	25	24
29	54	---	105	---	---	129	186	99	51	110	23	23
30	52	---	112	---	---	123	190	94	51	65	22	22
31	52	---	111	195	---	118	---	100	---	43	21	---
TOTAL	1680	---	---	---	---	---	---	---	---	---	1374	789
MEAN	54.2	---	---	---	---	---	---	---	---	---	44.3	26.3
MAX	160	---	---	---	---	---	---	---	---	---	127	59
MIN	18	---	---	---	---	---	---	---	---	---	21	19
CFSM	.40	---	---	---	---	---	---	---	---	---	.33	.19
IN.	.46	---	---	---	---	---	---	---	---	---	.38	.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1995, BY WATER YEAR (WY)

	MEAN	40.1	125	225	359	477	447	328	163	72.2	54.4	38.2	42.5
MAX	118	714	1132	1027	1095	907	902	681	188	149	124	256	
(WY)	1961	1958	1962	1949	1948	1955	1962	1963	1974	1989	1950	1950	
MIN	13.4	26.1	41.5	64.4	113	136	60.7	36.3	13.2	12.8	8.82	7.18	
(WY)	1944	1944	1944	1956	1978	1985	1986	1992	1988	1990	1988	1954	

SUMMARY STATISTICS

WATER YEARS 1944 - 1995

ANNUAL MEAN	213
HIGHEST ANNUAL MEAN	361
LOWEST ANNUAL MEAN	125
HIGHEST DAILY MEAN	10300
LOWEST DAILY MEAN	4.0
ANNUAL SEVEN-DAY MINIMUM	4.5
ANNUAL RUNOFF (CFSM)	1.56
ANNUAL RUNOFF (INCHES)	21.25
10 PERCENT EXCEEDS	298
50 PERCENT EXCEEDS	80
90 PERCENT EXCEEDS	21

Mar 21 1955
Aug 18 1988
Aug 27 1988

MOBILE RIVER BASIN

02433500 TOMBIGBEE RIVER AT BIGBEE, MS

LOCATION.--Lat 34° 00'42", long 88° 30'50", 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, 2.4 mi northwest of Amory, 3.7 mi upstream from Town Creek, and at mile 383.1.

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

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1944 to September 1954, October 1963 to current year. Daily mean gage heights published since October 1985. Monthly discharge only for some periods, published in WSP 1304. Prior to October 1966, published as East Fork Tombigbee River at Bigbee.

REVISED RECORDS.--WSP 1304: 1946, 1948. WRD Miss. 1972: Drainage area.

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

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

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of 1973 was the highest since at least 1890. The flood of Mar. 23, 1955, reached a stage of 26.2 ft, from floodmark, discharge, 73,000 ft³/s. Flood of December 1926 reached a stage of 24.2 ft from information by U. S. Army Corps of Engineers.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 18	0145	16,800	16.25	Apr. 21	0830	12,900	15.76
Mar. 8	1515	(a)	*21.48	Apr. 23	1430	15,200	16.57
Mar. 9	1245	*34,900	20.66				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	323	458	2890	1290	1420	3590	883	2220	1240	1140	263	249
2	484	642	2250	785	1050	3010	1030	2920	1650	715	268	252
3	724	642	2350	1010	1190	2370	1020	2670	1950	647	259	242
4	487	491	4110	656	852	2040	1110	2860	1500	812	515	242
5	466	906	4030	618	1000	4840	802	2680	990	1490	1820	240
6	475	1920	3650	1230	661	6850	834	2080	796	941	3080	255
7	328	2010	3490	2470	851	15200	774	2160	1210	943	1620	240
8	317	1640	2910	2610	888	30300	950	1490	692	877	3090	230
9	690	1190	2580	2740	656	32800	968	2230	746	477	2620	260
10	393	2170	2690	2090	1130	24700	806	1530	490	537	2050	258
11	485	2210	4370	2000	1040	13000	1600	2880	1020	430	1180	259
12	1760	1590	3900	2230	821	7750	2010	2870	1200	629	648	258
13	1680	1160	4170	2340	944	5280	1910	1740	1560	432	799	274
14	1140	923	3610	2660	745	3870	1560	1890	704	339	741	317
15	1050	866	3030	2890	931	3220	1440	720	953	324	459	281
16	715	751	2460	2990	8020	3160	1200	942	813	309	385	296
17	565	697	2120	3280	12600	3260	780	1170	537	522	333	483
18	523	709	1620	2930	13700	3560	883	1330	750	380	299	335
19	581	950	1340	5420	7030	2540	1050	1580	441	293	282	309
20	475	538	1290	4980	4650	2530	1330	1790	468	286	314	263
21	567	796	1100	5550	3260	2340	11000	1190	418	272	599	402
22	2010	588	1970	6490	2520	2370	9340	1070	418	263	293	285
23	2200	732	3720	5190	1620	2030	13300	831	412	255	306	302
24	1080	615	3270	3690	1450	2060	11200	607	523	281	280	295
25	936	491	2560	2670	839	1450	8040	1160	619	288	262	269
26	592	545	2250	2570	1110	1760	5830	1030	406	269	247	262
27	642	767	2140	1840	2270	1650	3870	836	451	281	243	256
28	751	3820	1850	2400	5100	1190	2620	664	569	557	239	278
29	481	3300	1330	2790	---	1900	2100	723	394	374	254	287
30	451	3050	1430	2630	---	974	2430	798	956	483	249	288
31	446	---	1120	1810	---	936	---	747	---	272	244	---
TOTAL	23817	37167	81600	84849	78348	192530	92670	49408	24876	16118	24241	8467
MEAN	768	1239	2632	2737	2798	6211	3089	1594	829	520	782	282
MAX	2200	3820	4370	6490	13700	32800	13300	2920	1950	1490	3090	483
MIN	317	458	1100	618	656	936	774	607	394	255	239	230
CFSM	.63	1.01	2.15	2.23	2.28	5.07	2.52	1.30	.68	.42	.64	.23
IN.	.72	1.13	2.48	2.57	2.38	5.84	2.81	1.50	.75	.49	.74	.26

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 1995, BY WATER YEAR (WY)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	
MEAN	528	1181	2940	2279	3911	3240	2178	2807	1340	650	467	520
MAX	919	3666	9297	5869	9187	6211	7958	17810	4383	1900	897	1770
(WY)	1985	1987	1991	1989	1991	1995	1991	1991	1989	1989	1993	1993
MIN	247	341	593	343	858	925	382	331	242	283	219	209
(WY)	1988	1991	1986	1986	1986	1988	1986	1988	1988	1988	1987	1986

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1985 - 1995

	1994	1995	1985-1995
ANNUAL TOTAL	825847	714091	1827
ANNUAL MEAN	2263	1956	4530
HIGHEST ANNUAL MEAN			613
LOWEST ANNUAL MEAN			89500
HIGHEST DAILY MEAN	27400	32800	May 28 1991
LOWEST DAILY MEAN	277	230	Sep 8
ANNUAL SEVEN-DAY MINIMUM	288	243	Sep 2
INSTANTANEOUS PEAK FLOW		34900	Mar 9
INSTANTANEOUS PEAK STAGE		21.48a	Mar 8
INSTANTANEOUS LOW FLOW		224	Sep 8
ANNUAL RUNOFF (CFSM)	1.85	1.60	1.49
ANNUAL RUNOFF (INCHES)	25.06	21.67	20.24
10 PERCENT EXCEEDS	4450	3670	3810
50 PERCENT EXCEEDS	1330	1010	716
90 PERCENT EXCEEDS	343	281	260

a Slope affected discharge

02433500 TOMBIGBEE RIVER AT BIGBEE, MS--Continued

GAGE HEIGHT, FEET. WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.14	4.34	7.43	5.52	5.79	8.71	4.95	6.76	5.47	5.27	4.04	4.01
2	4.38	4.61	6.54	4.95	5.39	7.75	5.11	7.70	6.04	4.79	4.05	4.02
3	4.73	4.60	6.71	5.19	5.53	6.89	5.09	7.21	6.22	4.70	4.02	3.99
4	4.45	4.38	10.32	4.77	5.15	6.48	5.19	7.52	5.74	4.91	4.49	3.98
5	4.43	4.90	9.44	4.72	5.31	10.80	4.84	7.18	5.14	5.69	7.07	3.98
6	4.39	6.14	8.61	5.49	4.91	13.50	4.89	6.39	4.88	5.07	7.98	4.03
7	4.15	6.23	8.37	7.37	5.13	16.27	4.81	6.54	5.33	5.05	5.93	3.98
8	4.13	5.81	7.50	7.11	5.16	21.12	5.00	5.74	4.72	4.98	7.82	3.94
9	4.74	5.32	7.00	7.24	4.89	20.48	5.02	6.63	4.78	4.45	7.18	4.03
10	4.31	6.65	7.87	6.42	5.45	18.34	4.83	5.81	4.43	4.56	6.42	4.02
11	4.43	6.47	10.15	6.35	5.35	14.89	5.80	7.48	5.12	4.37	5.44	4.02
12	6.20	5.75	8.93	6.66	5.11	12.27	6.28	7.46	5.32	4.67	4.82	4.02
13	6.07	5.27	9.25	6.73	5.24	10.40	6.09	6.01	5.72	4.35	5.03	4.06
14	5.35	5.01	8.53	7.43	5.00	8.88	5.70	6.18	4.72	4.18	4.93	4.18
15	5.23	4.95	7.68	8.01	5.21	7.93	5.56	4.86	4.99	4.15	4.50	4.07
16	4.83	4.80	6.93	7.77	12.99	8.21	5.30	5.11	4.84	4.12	4.36	4.09
17	4.63	4.72	6.45	8.10	16.10	8.49	4.82	5.38	4.47	4.45	4.24	4.46
18	4.56	4.72	5.87	7.56	15.15	8.46	4.93	5.55	4.72	4.25	4.15	4.18
19	4.63	4.99	5.57	12.30	11.81	6.91	5.12	5.86	4.28	4.09	4.10	4.12
20	4.47	4.49	5.51	10.70	9.77	6.86	5.55	6.08	4.32	4.07	4.18	4.01
21	4.60	4.78	5.31	10.70	8.07	6.61	15.04	5.41	4.24	4.04	4.65	4.31
22	7.41	4.55	7.21	11.49	7.07	6.65	13.48	5.25	4.24	4.02	4.13	4.06
23	6.72	4.71	9.17	10.31	6.00	6.20	15.65	4.97	4.24	4.01	4.17	4.11
24	5.19	4.57	8.10	8.66	5.81	6.24	14.49	4.69	4.41	4.08	4.10	4.09
25	5.00	4.40	7.04	7.26	5.15	5.56	12.53	5.34	4.55	4.11	4.05	4.01
26	4.58	4.49	6.64	7.11	5.45	5.90	10.89	5.18	4.24	4.06	4.00	3.99
27	4.65	4.80	6.46	6.24	7.48	5.78	8.86	4.94	4.32	4.09	3.99	3.97
28	4.75	9.76	6.14	7.47	11.44	5.28	7.05	4.75	4.50	4.49	3.98	4.03
29	4.38	8.19	5.56	7.50	---	6.08	6.46	4.84	4.23	4.28	4.02	4.05
30	4.33	7.70	5.67	7.18	---	5.05	6.86	4.92	4.92	4.47	4.01	4.05
31	4.32	---	5.34	6.21	---	5.01	---	4.84	---	4.06	3.99	---
MEAN	4.84	5.40	7.33	7.44	7.18	9.29	7.21	5.89	4.84	4.45	4.83	4.06
MAX	7.41	9.76	10.32	12.30	16.10	21.12	15.65	7.70	6.22	5.69	7.98	4.46
MIN	4.13	4.34	5.31	4.72	4.89	5.01	4.81	4.69	4.23	4.01	3.98	3.94

WTR YR 1995 MEAN 6.06 MAX 21.12 MIN 3.94

WATER-QUALITY RECORDS

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

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
OCT				
05...	1330	368	31	31
NOV				
09...	1110	1630	132	581
DEC				
20...	1015	1310	42	149
JAN				
31...	1205	1270	128	439
APR				
05...	1135	793	28	60
MAY				
17...	1710	1610	40	174
JUN				
20...	1210	483	25	33
JUL				
26...	1100	255	29	20
SEP				
06...	1050	256	28	19

02435020 TOWN CREEK AT EASON BOULEVARD AT TUPELO, MS

LOCATION.--Lat 34°14'08", long 88°41'43", on line between secs.5 and 8, T.10 S., R.6 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, on left bank at downstream side of bridge on Eason Boulevard in Tupelo, 400 ft upstream from Kings Creek, 0.2 mi downstream from Mud Creek, 0.4 mi downstream from St. Louis and San Francisco Railroad, 2.0 mi upstream from Tulip Creek, and 22.8 mi upstream from mouth.

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

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

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

GAGE.--Water-stage recorder. Datum of gage is 230.00 ft above sea level.

REMARKS.--Estimated daily discharges: Jan. 2-3, Feb. 4-14, Mar. 15-28, May 1-31, Jun. 1-20. Records fair except for estimated daily discharges, which are poor. National Weather Service 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)
Mar. 7	1830	*12,500	*23.00	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.7	12	298	166	203	386	92	e820	e1000	314	7.0	15
2	27	14	206	e140	184	294	88	e500	e500	26	6.5	14
3	24	13	409	e116	169	260	85	e350	e200	28	6.1	13
4	10	12	1900	119	e160	280	82	e450	e150	38	29	13
5	6.0	453	737	110	e150	4250	79	e300	e110	48	904	13
6	4.6	931	472	481	e140	2110	79	e200	e180	42	554	13
7	3.9	343	322	782	e160	7030	71	e170	e120	26	298	12
8	3.7	235	217	413	e150	4840	67	e150	e90	41	103	12
9	24	262	170	327	e140	1750	62	e160	e70	136	66	11
10	20	489	1630	236	e170	1300	57	e330	e60	193	51	12
11	12	334	1070	567	e140	1080	268	e200	e140	87	47	12
12	410	200	571	383	e120	900	225	e140	e110	57	94	11
13	140	149	434	293	e110	717	110	e110	e60	40	54	12
14	43	107	324	974	e100	587	84	e90	e50	29	42	12
15	26	84	241	1270	106	e510	72	e100	e45	22	35	11
16	19	71	256	593	2930	e1200	64	e94	e40	23	28	14
17	15	64	267	451	923	e900	59	e80	e35	18	23	14
18	14	56	199	543	462	e600	55	e280	e31	13	19	13
19	22	51	155	3470	352	e410	53	e200	e26	12	16	13
20	26	45	136	1120	296	e340	925	e120	e24	13	40	13
21	63	46	117	724	260	e300	2310	e90	21	9.1	69	13
22	156	44	1890	542	217	e260	1130	e70	19	8.0	47	16
23	52	41	868	502	184	e220	730	e60	17	7.6	36	13
24	28	38	503	431	158	e200	321	e54	16	8.9	30	13
25	21	37	383	368	140	e300	245	e50	16	8.5	28	13
26	17	41	273	284	132	e330	168	e230	16	7.1	44	13
27	15	613	225	277	1060	e140	92	e110	15	5.9	49	12
28	14	1800	197	663	690	e120	631	e120	12	8.0	42	11
29	12	613	178	347	---	116	291	e140	11	9.3	27	11
30	12	406	184	266	---	107	103	e180	155	11	18	11
31	11	---	175	225	---	97	---	e300	---	14	16	---
TOTAL	1255.9	7604	15007	17183	10006	31934	8698	6248	3339	1303.4	2828.6	379
MEAN	40.5	253	484	554	357	1030	290	202	111	42.0	91.2	12.6
MAX	410	1800	1900	3470	2930	7030	2310	820	1000	314	904	16
MIN	3.7	12	117	110	100	97	53	50	11	5.9	6.1	11
CFSM	.17	1.09	2.08	2.38	1.53	4.42	1.24	.87	.48	.18	.39	.05
IN.	.20	1.21	2.40	2.74	1.60	5.10	1.39	1.00	.53	.21	.45	.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 1995, BY WATER YEAR (WY)

	MEAN	83.1	317	708	732	708	859	586	580	232	87.2	53.0	50.6
MAX	287	1336	2996	2970	2079	2759	2193	2997	804	478	213	342	
(WY)	1971	1980	1983	1974	1991	1975	1983	1991	1978	1989	1992	1979	
MIN	3.22	10.6	34.3	28.1	123	150	41.5	20.4	5.92	6.96	2.94	4.04	
(WY)	1988	1982	1982	1986	1978	1988	1986	1992	1988	1977	1988	1973	

SUMMARY STATISTICS FOR 1994 CALENDAR YEAR FOR 1995 WATER YEAR WATER YEARS 1971 - 1995

	130686.70	105785.9	416
ANNUAL TOTAL	358	290	903
ANNUAL MEAN			97.4
HIGHEST ANNUAL MEAN			1983
LOWEST ANNUAL MEAN			1988
HIGHEST DAILY MEAN	6950	7030	26200
LOWEST DAILY MEAN	3.7	3.7	.42
ANNUAL SEVEN-DAY MINIMUM	4.4	7.7	.80
INSTANTANEOUS PEAK FLOW		12500	37900
INSTANTANEOUS PEAK STAGE		23.00	27.80
ANNUAL RUNOFF (CFSM)	1.54	1.24	1.78
ANNUAL RUNOFF (INCHES)	20.86	16.89	24.23
10 PERCENT EXCEEDS	799	674	832
50 PERCENT EXCEEDS	170	110	97
90 PERCENT EXCEEDS	11	12	7.3

e Estimated

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

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.24	2.40	3.55	3.10	3.18	3.68	2.83	---	---	3.41	2.25	2.36
2	2.48	2.43	3.28	---	3.13	3.42	2.81	---	---	2.46	2.25	2.35
3	2.49	2.42	3.79	---	3.09	3.32	2.80	---	---	2.46	2.24	2.34
4	2.34	2.40	7.81	2.95	---	3.38	2.78	---	---	2.55	2.44	2.34
5	2.27	3.69	4.63	2.91	---	14.34	2.77	---	---	2.61	5.05	2.34
6	2.24	5.17	4.01	3.92	---	8.39	2.77	---	---	2.57	4.13	2.34
7	2.23	3.67	3.62	4.74	---	17.13	2.73	---	---	2.46	3.45	2.33
8	2.22	3.36	3.31	3.80	---	15.13	2.71	---	---	2.55	2.86	2.32
9	2.50	3.41	3.17	3.55	---	7.36	2.69	---	---	2.96	2.71	2.32
10	2.46	4.05	7.15	3.30	---	6.07	2.66	---	---	3.15	2.63	2.32
11	2.36	3.65	5.48	4.16	---	5.44	3.33	---	---	2.80	2.60	2.32
12	3.80	3.26	4.24	3.70	---	5.00	3.25	---	---	2.66	2.82	2.32
13	3.02	3.12	3.91	3.45	---	4.57	2.89	---	---	2.57	2.64	2.33
14	2.64	2.98	3.62	5.21	---	4.23	2.79	---	---	2.49	2.58	2.32
15	2.53	2.89	3.38	6.02	2.83	---	2.74	---	---	2.43	2.53	2.32
16	2.46	2.83	3.42	4.26	10.71	---	2.70	---	---	2.44	2.48	2.34
17	2.42	2.80	3.45	3.89	5.08	---	2.67	---	---	2.39	2.44	2.35
18	2.41	2.76	3.25	4.13	3.87	---	2.65	---	---	2.34	2.40	2.34
19	2.49	2.73	3.13	12.19	3.57	---	2.64	---	---	2.32	2.37	2.34
20	2.53	2.70	3.07	5.56	3.41	---	5.07	---	---	2.33	2.46	2.34
21	2.66	2.70	3.01	4.59	3.31	---	8.93	---	2.43	2.29	2.72	2.34
22	3.10	2.69	7.80	4.13	3.18	---	5.68	---	2.40	2.27	2.61	2.37
23	2.71	2.67	4.94	4.02	3.10	---	4.61	---	2.38	2.26	2.54	2.34
24	2.56	2.65	4.03	3.84	3.02	---	3.52	---	2.37	2.28	2.50	2.34
25	2.49	2.64	3.72	3.66	2.97	---	3.30	---	2.37	2.28	2.48	2.34
26	2.45	2.67	3.40	3.42	2.94	---	3.08	---	2.37	2.26	2.58	2.33
27	2.43	4.27	3.26	3.39	5.47	---	2.82	---	2.36	2.23	2.62	2.33
28	2.42	7.51	3.18	4.42	4.47	---	4.28	---	2.33	2.26	2.58	2.32
29	2.40	4.34	3.13	3.59	---	2.92	3.43	---	2.32	2.29	2.47	2.32
30	2.39	3.84	3.15	3.36	---	2.88	2.86	---	2.84	2.30	2.40	2.31
31	2.39	---	3.12	3.24	---	2.84	---	---	---	2.34	2.37	---
MEAN	2.52	3.29	4.00	---	---	---	3.36	---	---	2.48	2.68	2.33
MAX	3.80	7.51	7.81	---	---	---	8.93	---	---	3.41	5.05	2.37
MIN	2.22	2.40	3.01	---	---	---	2.64	---	---	2.23	2.24	2.31

02436500 TOWN CREEK NEAR NETTLETON, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959, 1962-65, 1968, 1974 to July 1995 (discontinued).

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
OCT				
04...	1140	85	56	13
NOV				
08...	1335	555	109	163
DEC				
20...	0905	471	60	76
JAN				
31...	0945	679	83	152
FEB				
16...	0030	3100	4200	35200
16...	0200	6510	3410	59900
16...	1200	21600	1550	90400
16...	1550	22700	829	50800
16...	1710	22600	705	43000
MAR				
05...	1235	17300	2170	101000
05...	1350	17400	2000	94000
05...	1600	17200	1920	89200
05...	2015	15900	1830	78600
APR				
05...	0840	254	77	53
MAY				
17...	1545	228	54	33
JUN				
20...	0840	97	34	8.9
JUL				
26...	0820	34	13	1.2

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK) (00002)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM (80164)	BED MAT. SIEVE DIAM. % FINER THAN .125 MM (80165)	BED MAT. SIEVE DIAM. % FINER THAN .250 MM (80166)	BED MAT. SIEVE DIAM. % FINER THAN .500 MM (80167)	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM (80168)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)
MAR									
05...	1237	25.0	<1	1	7	52	86	92	96
05...	1239	50.0	9	14	23	57	96	--	--
05...	1241	75.0	1	2	9	57	92	97	98
05...	1352	25.0	<1	2	21	97	100	--	--
05...	1354	50.0	<1	2	22	99	100	--	--
05...	1356	75.0	65	78	93	100	--	--	--

MOBILE RIVER BASIN

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

LOCATION.--Lat. 33°49'47", long 88°31'17" in SW1/4 sec. 22, T.14 S., R.19 W., Huntsville Meridian, Hydrologic Unit 03160101, Monroe County, 0.85 mi upstream from (02437500) Tombigbee River at Aberdeen and at mile 362.98.

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

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

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

REMARKS.--No estimated daily discharges. Records fair above 1,000 ft³/s and poor below due to variable backwater from Columbus Lock and Dam. 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	710	1250	4350	3190	3170	8160	1730	5600	3490	3800	546	469
2	1330	1230	3410	2150	2850	5670	1770	6110	6250	1770	553	818
3	1710	1470	5930	2320	2790	4280	2180	4200	3850	1850	974	280
4	1360	1320	15500	2010	2070	4200	2330	5640	2990	1820	1860	700
5	1240	1890	9080	1940	2480	17900	1870	4900	2230	2690	10700	393
6	1050	6850	6550	2840	1700	26400	1870	3710	1880	2160	7040	278
7	321	3690	5790	8080	2310	29200	1190	3370	2720	1960	4940	200
8	1000	3240	4500	5090	2460	63900	1910	2690	1240	2000	4460	369
9	2440	2520	4130	4220	1580	53500	1650	4550	1310	1840	4000	447
10	1630	5870	10900	3660	3010	35200	1520	2850	1370	2780	3450	323
11	1440	4450	10400	3710	2930	18600	3860	5480	2430	1020	2440	286
12	8620	3370	7350	5320	1940	11700	4660	4560	2620	1500	1790	527
13	5910	2480	6720	4580	2830	8880	3040	2890	2670	1040	2100	273
14	2320	2220	5540	6610	2090	7000	2880	3280	1420	784	2060	597
15	2090	2330	5280	8440	2620	5220	2100	1350	1730	996	880	625
16	1940	1960	4500	6430	23400	8120	1850	2000	1380	587	891	516
17	1480	1580	3880	6230	35200	9450	1310	2280	1100	1160	917	986
18	1350	1630	3780	5870	19000	6820	1810	2290	1260	1150	773	570
19	1810	1650	2550	22000	10400	4220	2020	2950	986	906	280	547
20	1800	1050	3020	13000	7560	4180	4790	3040	777	658	1070	406
21	1270	1750	2800	9970	5640	3840	28800	2320	734	900	1820	896
22	10300	1510	8840	10100	4090	3800	19700	1680	344	238	593	502
23	5830	994	10600	9050	3590	3000	29200	1350	1090	557	876	609
24	2560	1580	6280	6320	4120	3110	23800	1740	850	494	441	488
25	2070	1530	4640	4750	2220	2380	11700	1810	1040	396	461	288
26	1390	1800	4060	4600	2660	2630	8890	2310	789	376	554	457
27	1460	5040	3310	3670	9000	3500	6180	2510	1210	1000	592	368
28	1530	13000	3060	7770	17700	2620	4360	1980	1450	1700	794	389
29	1430	6660	3130	6100	---	2980	3610	2150	434	1210	411	393
30	1050	5300	3320	4970	---	1560	4580	2120	1560	1250	236	642
31	1020	---	2460	3180	---	2270	---	2430	---	395	587	---
MEAN	2305	3040	5666	6070	6479	11750	6239	3101	1773	1322	1906	488
MAX	10300	13000	15500	22000	35200	63900	29200	6110	6250	3800	10700	986
MIN	321	994	2460	1940	1580	1560	1190	1350	344	238	236	200

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1995, BY WATER YEAR (WY)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
MEAN	1357	2877	5845	5141	8214	6668	4703	5307	3021	2064	1106	887
MAX	2305	8154	15520	12060	17570	11750	16630	29390	10540	10680	2272	1621
(WY)	1995	1987	1991	1989	1991	1995	1991	1991	1989	1989	1993	1992
MIN	474	958	1816	978	2822	2571	929	853	479	411	349	220
(WY)	1988	1991	1985	1986	1986	1985	1986	1988	1988	1984	1984	1984

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1984 - 1995

ANNUAL MEAN	4767			4174			3952		
HIGHEST ANNUAL MEAN							8424		1991
LOWEST ANNUAL MEAN							1781		1988
HIGHEST DAILY MEAN	50800	Feb 12		63900	Mar 8		103000	May 28	1991
LOWEST DAILY MEAN	285	Sep 21		200	Sep 7		77	Jun 15	1985
ANNUAL SEVEN-DAY MINIMUM	612	Sep 19		328	Sep 5		138	Sep 16	1984
INSTANTANEOUS PEAK FLOW				73000	Mar 8		123000	Mar 18	1973
INSTANTANEOUS PEAK STAGE				31.29	Mar 8		45.02	Mar 18	1973
10 PERCENT EXCEEDS	10300			8710			8860		
50 PERCENT EXCEEDS	2980			2310			1750		
90 PERCENT EXCEEDS	998			554			460		

02439400 BUTTAHATCHEE RIVER NEAR ABERDEEN, MS

LOCATION.--Lat 33°47'24", long 88°18'53", in NW1/4 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, 10.0 mi downstream from Sipsey Creek, 13.7 mi southeast of Aberdeen, and 28.6 mi upstream from the mouth.

DRAINAGE AREA.--798 mi².

WATER DISCHARGE RECORDS

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

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

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

REMARKS.--Estimated daily discharges: Jan. 11-31. Records good except for estimated daily discharges, which are poor. U. S. Army Corps of Engineers telemeter at station.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 18	1300	*20,100	*17.63	Apr. 23	1100	18,200	17.37
Mar. 2	0900	7,470	14.84	May 14	0500	6,390	14.37
Mar. 9	2400	12,800	16.45				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	315	514	2560	1160	1580	4650	1040	1500	1180	654	353	180
2	293	522	1390	1010	1400	7110	984	1820	2160	769	367	177
3	372	522	1140	914	1290	5240	940	1920	2600	638	337	199
4	797	482	1600	840	1190	3480	900	1630	2920	519	316	182
5	658	541	2520	794	1100	3480	879	1680	2110	730	398	170
6	445	1590	3400	806	1030	5050	870	1990	1170	1700	764	166
7	363	2340	4160	1220	975	8310	829	1720	1020	1410	1190	162
8	326	2610	3600	1820	952	9740	798	1380	1030	938	848	159
9	396	1580	2080	1570	923	10500	770	1190	887	743	602	156
10	481	1350	1540	1240	957	10700	745	1110	772	756	510	156
11	588	1600	1500	e1000	1270	7110	938	1290	721	816	466	152
12	582	1500	1630	e800	1470	4710	1690	1900	904	662	438	151
13	697	1190	1410	e770	1280	3520	2390	3390	1610	528	407	153
14	925	991	1210	e1000	1120	2760	1900	5410	1350	703	366	148
15	831	888	1110	e1500	1130	2220	1210	2700	914	697	332	148
16	691	811	1070	e2000	2390	2370	1020	1480	761	664	305	149
17	572	758	1090	e1550	4740	2760	908	1350	682	531	285	157
18	494	722	1080	e2100	16400	3070	836	1160	624	435	268	190
19	458	689	990	e3000	10600	2810	791	1020	573	394	254	248
20	564	658	906	e3500	6410	2240	812	999	544	384	241	215
21	626	636	854	e4000	4120	1820	2540	973	557	337	241	190
22	948	615	916	e3000	2890	1700	6140	836	582	297	357	257
23	1870	582	1550	e2200	2060	1590	17000	752	559	280	423	527
24	2650	539	2040	e1600	1690	1440	12700	693	518	269	317	582
25	2190	511	1560	e1200	1490	1300	11000	652	490	259	264	383
26	1090	544	1200	e1100	1330	1200	7980	674	471	256	239	288
27	824	711	1040	e1000	1450	1300	4970	819	450	260	222	254
28	707	1410	947	e1100	2610	1370	3290	964	447	276	211	237
29	633	2280	910	e1500	---	1450	2170	831	451	388	204	224
30	576	2940	1120	e2000	---	1220	1660	722	509	584	193	211
31	537	---	1260	e1850	---	1110	---	736	---	464	183	---
TOTAL	23499	32626	49383	49144	75847	117330	90700	45291	29566	18341	11901	6571
MEAN	758	1088	1593	1585	2709	3785	3023	1461	986	592	384	219
MAX	2650	2940	4160	4000	16400	10700	17000	5410	2920	1700	1190	582
MIN	293	482	854	770	923	1110	745	652	447	256	183	148
CFSM	.95	1.36	2.00	1.99	3.39	4.74	3.79	1.83	1.24	.74	.48	.27
IN.	1.10	1.52	2.30	2.29	3.54	5.47	4.23	2.11	1.38	.85	.55	.31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 1995, BY WATER YEAR (WY)

	MEAN	539	1004	1961	2343	2389	2862	2381	1803	749	554	391	375
MAX	2349	2938	5698	4954	5459	6815	6130	8329	1880	1880	1175	1051	
(WY)	1976	1978	1968	1974	1991	1980	1991	1991	1974	1994	1975	1979	
MIN	134	275	464	519	904	703	461	315	136	164	117	156	
(WY)	1988	1988	1988	1986	1968	1988	1986	1992	1988	1988	1988	1984	

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1966 - 1995
ANNUAL TOTAL	587773	550199	
ANNUAL MEAN	1610	1507	1442
HIGHEST ANNUAL MEAN			2747
LOWEST ANNUAL MEAN			503
HIGHEST DAILY MEAN	27900	Feb 12	63900
LOWEST DAILY MEAN	293	Oct 2	90
ANNUAL SEVEN-DAY MINIMUM	320	Sep 10	99
INSTANTANEOUS PEAK FLOW			20100
INSTANTANEOUS PEAK STAGE			17.63
INSTANTANEOUS LOW FLOW			147
ANNUAL RUNOFF (CFSM)	2.02	1.89	1.81
ANNUAL RUNOFF (INCHES)	27.40	25.65	24.56
10 PERCENT EXCEEDS	3040	2930	3070
50 PERCENT EXCEEDS	900	925	749
90 PERCENT EXCEEDS	402	258	228

e Estimated

MOBILE RIVER BASIN

02439400 BUTTAHATCHEE RIVER NEAR ABERDEEN, MS--Continued

WATER-QUALITY RECORDS

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

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
OCT				
03...	1640	396	28	30
NOV				
08...	1630	2600	64	449
DEC				
19...	1625	970	21	55
FEB				
01...	0930	1600	24	104
APR				
05...	1305	875	25	59
MAY				
18...	0730	1200	45	146
JUN				
20...	1620	542	22	32
JUL				
27...	0750	264	18	13
SEP				
05...	1520	168	16	7.3

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

LOCATION.--Lat 33°31'05", long 88°29'19", in NE1/4 sec.11, T.18 S., R.19 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160101, at control tower on right bank of lock, 3.5 mi northwest of Columbus, 4.1 mi upstream from 02441500 Tombigbee River at Columbus, 6.4 mi upstream from Luxapallila Creek, and at mile 325.3.

DRAINAGE AREA.--4,440 mi², prior to construction of Tennessee-Tombigbee Waterway.

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

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

REMARKS.--No estimated daily discharges. Records fair except those below 1,000 ft³/s, which are poor. Reservoir is formed by earth fill dam with concrete spillway with five 60 ft wide tainter gates with sill elevation of 138.0 ft above sea level and 110 ft by 600 ft lock with maximum lift of 27 ft at normal pool elevation of 163.0 ft above sea level. Minimum flow structure with manually operated gates and maximum discharge of about 300 ft³/s at normal pool. Storage began Jan. 16, 1981, dam completed Jan. 29, 1981. Capacity 59,500 acre-ft at normal pool. Regulation for maintenance of navigational pool only. Beginning April 1, 1981, daily discharge computed from relation between discharge, head, gate openings, lockages, and minimum flow structure. Statistics shown below are for water years 1982 to the current year, except for instantaneous extremes, which are shown for the entire period of record at the datum then in use.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	797	2150	10900	5410	6370	22100	3490	8060	5100	5750	1360	968
2	2240	1930	6540	4020	5480	20300	3180	8030	7620	2670	873	952
3	2160	2090	6150	4010	5130	20200	3280	6280	6410	2480	1800	600
4	1790	2280	23800	3760	4130	13900	3600	7630	5370	2410	4260	698
5	2020	3590	21400	3380	4230	33500	2290	7460	4920	3790	16400	614
6	1720	12300	16700	8470	3140	53800	3040	5850	3210	3770	13500	340
7	711	7340	16000	13800	4110	54300	2560	5780	4340	3460	9330	423
8	1080	6130	12700	11200	3400	83000	3030	4900	1740	3310	9290	613
9	8370	5260	9230	9380	2920	89100	2370	6120	2930	3870	9120	643
10	4620	10500	10200	5450	4630	74700	2650	4570	2140	6440	5840	522
11	2510	9350	20700	5590	5400	50300	6890	7070	2850	2020	3110	498
12	13300	6960	12100	5870	5330	27800	10500	6460	4350	2570	2300	903
13	9750	4920	12500	5370	5660	16300	6490	4800	2870	1720	2360	678
14	5550	3790	10100	10200	4260	12000	5490	6070	3300	1600	2310	878
15	3740	3220	6950	13000	5600	10300	3970	6060	2940	2020	1300	852
16	2970	3220	7820	10900	33100	16200	3550	5290	2260	1390	1410	839
17	2230	2690	8600	9870	63200	18200	2860	4260	1690	1470	1240	1280
18	2100	2480	6880	9190	43100	13900	2960	3980	1810	2270	1460	608
19	2570	2610	5360	39200	41800	10400	3030	4290	1600	1070	626	751
20	3040	1980	4660	30900	30400	8300	7600	4060	1060	1570	1750	877
21	3010	2800	4440	24000	17400	6830	54800	3320	1120	1070	2040	1700
22	14000	2360	15200	25300	10600	6300	54000	3140	1300	649	505	832
23	12700	1850	16800	23000	7690	6020	74700	2310	1350	982	1700	1210
24	7450	1750	15000	14000	6140	5110	86900	2490	1650	618	813	1130
25	7560	1940	13400	9670	4780	4530	60700	2710	2140	933	845	827
26	4460	2620	8860	8080	5150	4380	40600	2650	2190	672	943	879
27	3170	3830	5140	6480	11000	6590	23800	3240	1840	1070	937	932
28	2590	21200	4800	13900	37900	5890	12900	3240	2220	2350	1250	568
29	2610	13600	6530	11800	---	5570	7920	3290	933	2730	393	816
30	1990	11400	8200	11700	---	3540	6870	2660	2510	2020	746	836
31	1780	---	5300	9560	---	4090	---	3370	---	1250	601	---
TOTAL	134588	158140	332960	366460	382050	707450	506020	149440	85763	69994	100412	24267
MEAN	4342	5271	10740	11820	13640	22820	16870	4821	2859	2258	3239	809
MAX	14000	21200	23800	39200	63200	89100	86900	8060	7620	6440	16400	1700
MIN	711	1750	4440	3380	2920	3540	2290	2310	933	618	393	340
CFSM	.98	1.19	2.42	2.66	3.07	5.14	3.80	1.09	.64	.51	.73	.18
IN.	1.13	1.32	2.79	3.07	3.20	5.93	4.24	1.25	.72	.59	.84	.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 1995, BY WATER YEAR (WY)

	MEAN	2190	4453	12880	11160	15670	12880	12310	11330	4758	3114	1690	1336
MAX	5896	12940	36640	26290	33900	22820	37260	56740	14950	12310	3239	2799	
(WY)	1985	1987	1983	1989	1991	1995	1983	1991	1989	1994	1995	1989	
MIN	585	483	1627	1799	4961	4308	1613	1284	626	1013	622	305	
(WY)	1988	1982	1982	1986	1986	1985	1986	1992	1988	1984	1987	1984	

SUMMARY STATISTICS FOR 1994 CALENDAR YEAR FOR 1995 WATER YEAR WATER YEARS 1982 - 1995

	ANNUAL TOTAL	3356820	3017544	
ANNUAL MEAN	9197	8267	7777	
HIGHEST ANNUAL MEAN			15970	1991
LOWEST ANNUAL MEAN			2742	1988
HIGHEST DAILY MEAN	92200	Feb 12	89100	Mar 9
LOWEST DAILY MEAN	602	Sep 15	340	Sep 6
ANNUAL SEVEN-DAY MINIMUM	1230	Aug 24	522	Sep 5
INSTANTANEOUS PEAK FLOW			102000	Mar 8
INSTANTANEOUS PEAK STAGE			61.28	Apr 24
ANNUAL RUNOFF (CFSM)	2.07		1.86	
ANNUAL RUNOFF (INCHES)	28.12		25.28	
10 PERCENT EXCEEDS	21300		16700	18500
50 PERCENT EXCEEDS	5020		4090	3020
90 PERCENT EXCEEDS	1490		920	673

02441500 TOMBIGBEE RIVER AT COLUMBUS, MS

LOCATION.--Lat 33°29'21", long 88°25'57", in NE1/4 sec.20, T.18 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160101, on left bank at Columbus, 1,200 ft downstream from bridge on old U.S. Highway 45E and 82, 1,800 ft upstream from Gulf, Mobile and Ohio Railroad bridge, 2.3 mi upstream from Luxapallila Creek, 4.1 mi downstream from 02441390 Tombigbee River at Columbus Lock and Dam, near Columbus, 6.7 mi downstream from Tibbee Creek, and at mile 319.7.

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

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

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

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

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

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

EXTREMES FOR CURRENT YEAR.--See 02441390 for discharge records. Maximum gage height, 30.42 ft, Apr. 24, minimum daily, 7.26 ft, July 24.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.46	7.51	9.26	8.11	8.27	13.16	7.73	8.51	7.98	7.94	7.54	7.69
2	7.57	7.60	8.28	7.87	8.06	12.48	7.72	8.53	8.32	7.60	7.49	7.66
3	7.55	7.56	8.21	7.83	7.90	12.21	7.80	8.24	8.20	7.61	7.55	7.70
4	7.53	7.61	12.30	7.73	7.70	10.34	7.75	8.32	7.96	7.69	7.97	7.65
5	7.56	7.82	12.55	7.61	7.81	13.71	7.57	8.40	7.82	7.75	9.76	7.65
6	7.54	9.24	11.04	8.15	7.69	19.75	7.65	8.06	7.63	7.67	10.00	7.57
7	7.53	8.23	10.78	10.20	7.74	19.84	7.68	8.16	7.79	7.65	8.57	7.51
8	7.54	8.14	9.80	9.29	7.66	26.13	7.73	7.98	7.59	7.67	8.65	7.51
9	8.42	7.99	8.88	9.00	7.70	29.32	7.70	8.12	7.53	7.69	8.63	7.46
10	7.74	8.87	8.94	8.24	7.86	27.45	7.73	7.91	7.52	8.22	7.99	7.50
11	7.65	8.68	11.50	8.06	7.91	21.67	8.38	8.23	7.55	7.51	7.72	7.48
12	9.42	8.26	9.39	8.24	7.97	14.90	9.25	8.14	7.66	7.57	7.56	7.57
13	8.94	7.95	9.49	8.14	8.05	11.24	8.40	7.95	7.48	7.59	7.55	7.62
14	7.97	7.75	---	8.77	7.85	9.91	8.17	8.02	7.69	7.55	7.53	7.64
15	7.75	7.62	---	9.56	7.99	9.50	7.89	7.95	7.66	7.51	7.48	7.70
16	7.70	7.59	---	9.35	13.30	10.57	7.79	7.92	7.52	7.56	7.45	7.74
17	7.61	7.58	---	8.92	21.27	11.56	7.75	7.87	7.53	7.55	7.44	7.71
18	7.59	7.60	---	8.79	18.99	10.58	7.70	7.85	7.52	7.54	7.52	7.53
19	7.66	7.62	---	15.25	17.92	9.61	7.68	7.70	7.56	7.41	7.40	7.38
20	7.65	7.65	7.92	15.32	15.43	8.85	8.25	7.67	7.51	7.50	7.56	7.36
21	7.70	7.63	7.69	12.98	11.51	8.41	18.56	7.63	7.47	7.45	7.47	7.56
22	9.49	7.53	8.96	12.93	9.41	8.27	21.10	7.58	7.53	7.42	7.37	7.59
23	9.64	7.54	11.13	12.49	8.52	8.17	25.50	7.58	7.44	7.40	7.55	7.68
24	8.33	7.54	10.03	10.22	8.16	7.97	30.00	7.59	7.57	7.26	7.72	7.71
25	8.28	7.56	9.78	8.97	7.96	7.88	26.61	7.56	7.57	7.42	7.73	7.66
26	7.81	7.66	8.87	8.55	7.97	7.91	19.85	7.64	7.52	7.38	7.70	7.74
27	7.66	7.92	8.02	8.18	8.81	8.17	14.05	7.71	7.55	7.45	7.72	7.70
28	7.59	11.50	7.88	9.68	15.46	8.20	10.44	7.70	7.61	7.65	7.71	7.64
29	7.59	10.15	7.94	9.43	---	8.21	8.71	7.63	7.46	7.60	7.65	7.72
30	7.54	9.45	8.79	9.44	---	7.83	8.36	7.60	7.60	7.57	7.66	7.75
31	7.53	---	8.13	9.03	---	7.84	---	7.72	---	7.51	7.58	---
MEAN	7.92	8.11	---	9.56	10.10	12.63	11.38	7.92	7.64	7.58	7.85	7.61
MAX	9.64	11.50	---	15.32	21.27	29.32	30.00	8.53	8.32	8.22	10.00	7.75
MIN	7.46	7.51	---	7.61	7.66	7.83	7.57	7.56	7.44	7.26	7.37	7.36

02443500 LUXAPALLILA CREEK NEAR COLUMBUS, MS

LOCATION.--Lat 33°30'50", long 88°23'44", in NW1/4 SW1/4 sec.11, T.18 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160105, on right bank at Columbus Water Works pumping plant, 175 ft upstream from bridge on county highway (formerly State Highway 50), 0.6 mi upstream from Magby Creek, 1.4 mi upstream from U. S. Highway 82 and 6.2 mi upstream from mouth.

DRAINAGE AREA.--715 mi².

WATER-DISCHARGE RECORDS

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

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

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

REMARKS.--Estimated daily discharges: Dec. 9-13. Records good except for estimated daily discharges, which are poor. U.S. Army Corp of Engineers radio telemeter at station.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Mar. 9	1800	9,470	20.58	Apr. 24	0130	*19,900	*24.98

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	182	317	1850	1610	1620	3150	1130	1410	513	232	212	110
2	184	304	1450	1370	1340	3960	952	1160	589	242	180	104
3	235	292	1140	1160	1160	3080	852	1050	645	276	159	118
4	303	281	2110	992	1050	2080	787	1060	578	281	233	112
5	345	278	2660	857	951	2400	742	1070	471	275	359	104
6	324	370	3300	872	876	4160	714	1080	389	316	538	97
7	275	585	3040	1550	838	6620	697	1040	340	389	722	94
8	236	779	2410	1950	805	8210	690	921	333	465	707	98
9	384	732	e1750	1890	773	9170	680	801	365	446	591	104
10	540	842	e1700	1490	833	7400	663	699	341	448	454	108
11	543	951	e1550	1260	1080	3830	1030	733	303	451	336	116
12	618	1020	e1400	1090	1320	2390	1770	739	284	519	261	121
13	780	964	e1350	1040	1350	1860	1960	666	268	448	216	129
14	773	812	1230	1480	1230	1570	1830	604	271	374	186	140
15	747	675	1080	2090	1120	1380	1490	547	268	331	165	147
16	692	564	1020	2320	2210	1870	1170	506	247	334	170	155
17	583	494	1010	1850	5180	2440	976	471	227	329	228	162
18	475	451	983	1590	6810	2850	886	451	209	298	211	167
19	404	425	925	3150	5780	2480	831	458	197	270	194	185
20	371	405	865	3440	3400	2010	919	469	204	232	188	205
21	399	383	784	3480	2240	1590	5660	467	205	205	184	240
22	802	366	825	2830	1730	1330	9950	453	208	192	176	449
23	854	351	1180	2240	1420	1170	18500	416	207	184	187	642
24	940	337	1330	1780	1210	1050	19400	376	201	170	204	980
25	946	324	1320	1520	1070	955	15500	344	196	161	191	934
26	754	366	1170	1340	961	877	7890	323	201	152	172	721
27	586	522	991	1210	925	936	4050	326	199	154	155	559
28	476	1430	856	1320	1940	1270	2830	366	198	157	142	477
29	403	1880	818	1690	---	1930	2210	467	196	208	131	432
30	363	2400	1380	2320	---	1800	1760	534	209	259	125	399
31	338	---	1530	1890	---	1450	---	511	---	251	118	---
TOTAL	15855	19900	45007	54671	51222	87268	108519	20518	9062	9049	8095	8409
MEAN	511	663	1452	1764	1829	2815	3617	662	302	292	261	280
MAX	946	2400	3300	3480	6810	9170	19400	1410	645	519	722	980
MIN	182	278	784	857	773	877	663	323	196	152	118	94
CFSM	.72	.93	2.03	2.47	2.56	3.94	5.06	.93	.42	.41	.37	.39
IN.	.82	1.04	2.34	2.84	2.66	4.54	5.65	1.07	.47	.47	.42	.44

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 1995, BY WATER YEAR (WY)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
MEAN	405	757	1495	1955	2083	2414	2260	1401	548	458	275	294									
MAX	1675	1867	5840	3857	4650	6465	5671	7073	1524	1855	1201	1901									
(WY)	1976	1980	1984	1979	1990	1980	1991	1991	1989	1994	1975	1979									
MIN	68.3	139	268	463	666	461	308	154	55.8	73.9	49.7	69.1									
(WY)	1988	1988	1988	1986	1986	1988	1986	1988	1988	1988	1988	1987									

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1975 - 1995

	1994	1995	1975-1995
ANNUAL TOTAL	465141	437575	
ANNUAL MEAN	1274	1199	1191
HIGHEST ANNUAL MEAN			2277
LOWEST ANNUAL MEAN			320
HIGHEST DAILY MEAN	14200	Mar 29	38000
LOWEST DAILY MEAN	132	Sep 16	25
ANNUAL SEVEN-DAY MINIMUM	163	Sep 11	29
INSTANTANEOUS PEAK FLOW			40400
INSTANTANEOUS PEAK STAGE			32.35
INSTANTANEOUS LOW FLOW			28
ANNUAL RUNOFF (CFSM)	1.78	1.68	1.67
ANNUAL RUNOFF (INCHES)	24.20	22.77	22.64
10 PERCENT EXCEEDS	2740	2320	2590
50 PERCENT EXCEEDS	675	697	573
90 PERCENT EXCEEDS	227	184	124

e Estimated

MOBILE RIVER BASIN

02443500 LUXAPALLILA CREEK NEAR COLUMBUS, MS--Continued

WATER-QUALITY RECORDS

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

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, DIS- CHARGE, SUS- PENDE D (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE D (T/DAY) (80155)
OCT				
06...	1515	321	14	12
NOV				
08...	0930	735	28	56
DEC				
19...	1455	916	16	40
FEB				
01...	1130	1630	18	79
APR				
06...	0745	716	25	48
MAY				
18...	0945	452	21	26
JUN				
21...	0925	205	14	7.7
JUL				
28...	0720	151	16	6.5
SEP				
07...	0840	94	15	3.8

LOCATION. --Lat 33°05'08", lon 98°33'40", in NEL14 sec 4, T.14 N., R.17 E., Choctaw Meridian, Noxubee County, Hydrologic Unit 036101018 on left bank at downstream side of bridge on U.S. Highway 45 at Macon, 0.2 mi upstream from Cedar Creek, 1.0 mi downstream from Illinois Central and Gulf Railroad bridge, 1.5 mi downstream from Horse Hunters Creek, and 6.2 mi upstream from Running Water Creek.

WATER-DISCHARGE RECORDS

GAGE.--Water-stage recorder. Datum of gage is 142.38 ft above sea level (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.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 19	2000	5,270	22.65	Mar. 17	2000	6,950	24.69
Mar. 10	0500	8,650	26.31	Apr. 26	0600	*12,000	*28.39

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	101	280	1200	2210	737	2840	1020	951	297	160	98	60
2	100	241	1040	1680	651	2410	699	644	2870	155	101	59
3	141	215	772	1270	587	1690	554	562	2530	203	102	59
4	167	202	3430	932	537	1420	477	1100	753	154	121	57
5	160	196	4360	734	493	2810	430	1420	561	140	721	56
6	145	201	3640	803	449	4880	400	840	431	193	981	57
7	143	360	2480	2290	418	5780	378	623	339	355	656	57
8	122	533	2390	2230	395	7380	369	558	284	248	823	55
9	545	510	2420	1690	380	8060	352	493	243	247	753	55
10	1380	430	1760	1650	498	8530	325	455	211	261	516	51
11	1110	536	1380	1340	1560	7780	628	414	196	202	335	50
12	1780	651	1080	962	1480	6500	1350	379	230	258	233	51
13	2060	755	924	910	995	5130	1130	355	234	271	175	52
14	1510	670	806	2620	840	3240	947	331	190	236	143	58
15	1340	516	672	2730	754	2240	765	306	163	201	128	85
16	1130	406	774	2020	1040	5430	556	288	150	174	114	68
17	789	341	1070	1780	3560	6600	433	275	143	152	102	63
18	569	272	1110	1490	3770	6280	361	258	135	136	86	67
19	432	221	1100	4300	3420	4980	311	244	133	124	79	66
20	437	214	932	5000	3590	5040	295	245	133	114	76	64
21	666	213	743	4540	4030	4840	2600	279	137	103	77	65
22	847	204	1730	3100	3960	3720	4480	271	136	107	82	115
23	1060	197	3540	2380	2850	1520	6860	273	130	129	80	327
24	1040	194	3190	2060	1150	863	10700	246	143	138	75	167
25	1170	189	2410	1380	738	709	11600	226	138	123	72	94
26	1080	192	2230	1150	587	611	11600	214	148	126	69	86
27	739	389	2240	976	529	1400	9400	204	128	129	68	97
28	518	2190	1600	1380	1150	2100	7570	195	135	120	67	83
29	389	2320	1170	1380	---	1580	6090	242	139	116	66	72
30	313	1250	3060	995	---	1550	3560	281	140	118	63	66
31	299	---	3230	844	---	1510	---	268	---	106	62	---
TOTAL	22282	15088	58483	58826	41148	119423	86240	13440	11600	5299	7124	2362
MEAN	719	503	1887	1898	1470	3852	2875	434	387	171	230	78.7
MAX	2060	2320	4360	5000	4030	8530	11600	1420	2870	355	981	327
MIN	100	189	672	734	380	611	295	195	128	103	62	50
CFSM	.94	.65	2.46	2.47	1.91	5.02	3.74	.56	.50	.22	.30	.10
IN.	1.08	.73	2.83	2.85	1.99	5.78	4.18	.65	.56	.26	.35	.10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 1995, BY WATER YEAR (WY)

MEAN	172	429	1130	1923	2335	2450	2128	1090	340	432	197	210
MAX	1970	2518	6913	8286	6013	6396	11290	6567	1787	5315	1335	2520
(WY)	1976	1958	1962	1974	1983	1980	1979	1991	1989	1940	1946	1979
MIN	32.1	46.4	78.3	69.5	293	423	118	93.9	57.3	53.6	34.4	28.4
(WY)	1944	1964	1944	1956	1943	1967	1963	1988	1988	1956	1954	1954

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1928 - 1995
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ANNUAL TOTAL	437885		441315			
ANNUAL MEAN	1200		1209		1063	
HIGHEST ANNUAL MEAN					2666	1983
LOWEST ANNUAL MEAN					248	1963
HIGHEST DAILY MEAN	11200	Mar 29	11600	Apr 25	110000	Apr 13 1979
LOWEST DAILY MEAN	85	Aug 20	50	Sep 11	23	Aug 26 1943
ANNUAL SEVEN-DAY MINIMUM	93	Aug 15	53	Sep 7	25	Aug 24 1943
INSTANTANEOUS PEAK FLOW			12000	Apr 26	125000	Apr 13 1979
INSTANTANEOUS PEAK STAGE			28.39	Apr 26	38.97	Apr 13 1979
INSTANTANEOUS LOW FLOW			50	Sep 10	22	Aug 25 1943
ANNUAL RUNOFF (CFSM)	1.56		1.57		1.38	
ANNUAL RUNOFF (INCHES)	21.21		21.38		18.81	
10 PERCENT EXCEEDS	3150		3420		3200	
50 PERCENT EXCEEDS	486		493		230	
90 PERCENT EXCEEDS	135		84		58	

MOBILE RIVER BASIN

02448000 NOXUBEE RIVER AT MACON, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1967, 1972-75, 1981 to September 1995 (discontinued).

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT					
06...	1120	141	36	14	--
NOV					
09...	1355	508	64	88	--
28...	1910	3020	255	2080	--
29...	0845	7580	254	5200	--
DEC					
19...	0905	1110	80	240	--
FEB					
01...	1330	728	45	88	--
APR					
06...	1200	399	59	64	--
21...	1045	2730	467	3440	--
21...	1700	3530	430	4100	98
22...	0600	3990	184	1980	93
24...	0845	10500	--	--	--
24...	1100	10900	46	1350	92
24...	1400	11300	50	1530	--
MAY					
18...	1300	258	50	35	--
JUN					
21...	1400	140	36	14	--
JUL					
28...	1130	123	51	17	--
SEP					
07...	1400	56	40	6.0	--

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN (70337)	SED. SUSP. FALL DIAM. % FINER THAN (70338)	SED. SUSP. FALL DIAM. % FINER THAN (70339)	SED. SUSP. FALL DIAM. % FINER THAN (70340)	SED. SUSP. FALL DIAM. % FINER THAN (70341)	SED. SUSP. FALL DIAM. % FINER THAN (70342)	SED. SUSP. FALL DIAM. % FINER THAN (70343)	SED. SUSP. FALL DIAM. % FINER THAN (70344)	SED. SUSP. FALL DIAM. % FINER THAN (70345)
APR										
22...	0600	16	63	70	78	87	93	96	99	100

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK) (00002)	BED MAT. SIEVE DIAM. % FINER THAN (80164)	BED MAT. SIEVE DIAM. % FINER THAN (80165)	BED MAT. SIEVE DIAM. % FINER THAN (80166)	BED MAT. SIEVE DIAM. % FINER THAN (80167)	BED MAT. SIEVE DIAM. % FINER THAN (80168)
APR							
22...	0602	25.0	63	75	92	99	100
22...	0604	50.0	35	40	54	94	100
22...	0606	75.0	84	93	98	100	--
24...	0847	25.0	39	54	88	100	--
24...	0849	50.0	<1	1	6	73	99
24...	0851	75.0	70	80	91	97	99

MOBILE RIVER BASIN
2448500 NOXUBEE RIVER NEAR GEIGER, AL

59

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: Jan. 7-17, 24-26, Apr. 24-27. Records good except those for periods of estimated record, which are poor. 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 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	83	188	137	586	7330	2130	9320	264	105	2550	342	219
2	81	164	132	1000	5590	4530	9100	249	106	2650	367	943
3	82	123	130	1220	4040	4970	8460	270	109	2200	263	1660
4	79	115	131	1050	3420	4500	7370	348	179	1790	272	1030
5	76	124	135	939	2840	3440	4480	519	189	1140	226	837
6	76	124	168	800	3320	2550	6000	506	162	746	265	644
7	75	117	171	e650	2160	2330	8310	502	166	500	257	433
8	73	114	159	e1000	1630	2100	7620	460	215	435	308	304
9	71	104	146	e1400	1370	2270	6710	350	212	529	269	239
10	69	98	170	e900	2480	5610	4810	288	146	724	248	202
11	69	95	196	e650	8580	5320	2440	251	123	392	227	174
12	70	96	205	e550	9710	3970	1640	239	131	422	189	159
13	69	96	227	e480	9220	2590	2430	273	157	2730	165	156
14	67	94	1570	e420	8710	2250	3290	254	195	2610	156	151
15	66	297	1500	e380	8250	2230	3110	263	227	2620	148	147
16	66	1950	891	e350	8040	1890	5580	253	293	2120	140	145
17	67	1770	550	e650	7600	1170	3660	268	277	1780	135	147
18	71	1650	500	2870	6470	838	1730	273	442	1520	135	147
19	73	1090	432	2490	4200	699	1060	314	313	1500	132	442
20	79	742	379	1590	1480	612	844	275	235	1250	312	375
21	80	572	899	1070	955	551	691	218	178	1290	245	336
22	78	449	1180	844	1020	505	577	198	142	1470	227	266
23	85	325	826	730	3670	515	507	176	129	1040	205	250
24	103	251	562	e650	5660	699	e470	156	138	715	233	204
25	96	211	482	e580	4440	2140	e420	144	431	833	270	172
26	92	185	405	e530	2890	3050	e380	136	803	722	276	172
27	90	168	331	1040	2200	2710	e350	132	1230	626	219	152
28	96	158	289	9050	1900	6710	326	139	2580	524	165	149
29	98	153	908	10700	---	9020	307	127	3060	448	138	147
30	130	152	1300	9960	---	9030	283	122	3360	552	133	143
31	171	---	875	8680	---	9180	---	119	---	379	132	---
TOTAL	2581	11775	15986	63809	129175	100109	102275	8086	16033	38807	6799	10545
MEAN	83.3	392	516	2058	4613	3229	3409	261	534	1252	219	351
MAX	171	1950	1570	10700	9710	9180	9320	519	3360	2730	367	1660
MIN	66	94	130	350	955	505	283	119	105	379	132	143
CFSM	.08	.36	.47	1.88	4.21	2.94	3.11	.24	.49	1.14	.20	.32
IN.	.09	.40	.54	2.16	4.38	3.39	3.47	.27	.54	1.32	.23	.36

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1940, 1940 - 1965, 1967 - 1994, BY WATER YEAR (WY)												
MEAN	255	620	1645	2932	3551	3471	3281	1522	578	667	319	311
MAX	2515	2958	9407	9782	9415	9230	17520	10340	2787	7432	2064	3067
(WY)	1976	1958	1962	1949	1983	1980	1979	1991	1939	1940	1946	1950
MIN	31.0	49.5	105	91.1	527	542	180	107	61.3	62.8	34.1	27.5
(WY)	1955	1955	1963	1956	1963	1967	1963	1965	1988	1952	1954	1954

SUMMARY STATISTICS FOR 1993 CALENDAR YEAR FOR 1994 WATER YEAR WATER YEAR 1939 - 1944 - 1965, 1967 -

1994												
ANNUAL TOTAL	517892	505980										
ANNUAL MEAN	1419	1386			1585							
HIGHEST ANNUAL MEAN					3967	1983						
LOWEST ANNUAL MEAN					327	1963						
HIGHEST DAILY MEAN	15000	Jan 15	10700	Jan 29	13600	Apr 14	1979					
LOWEST DAILY MEAN	660	Oct 15,	1666	Oct 15,	16	22	Sep 24	1954				
ANNUAL SEVEN-DAY MINIMUM	680	Oct 11	1168	Oct 11	23	Sep 23	1954					
INSTANTANEOUS PEAK FLOW	10900	Jan 29	15600	Apr 14	1979							
INSTANTANEOUS PEAK STAGE	33.64	Jan 29	48.58	Apr 14	1979							
ANNUAL RUNOFF (CFSM)	1.29	1.26			1.44							
ANNUAL RUNOFF (INCHES)	17.56	17.16			19.63							
10 PERCENT EXCEEDS	3640	4300			4970							
50 PERCENT EXCEEDS	373	392			349							
90 PERCENT EXCEEDS	86	106			74							

eEstimated

PASCAGOULA RIVER BASIN

02472000 LEAF RIVER NEAR COLLINS, MS

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

DRAINAGE AREA.--743 mi².

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

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

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

REMARKS.--Estimated daily discharges: Feb. 21, Mar. 17, May 11-16, 29, Jun. 5-6, Aug. 13-23. Records good except for estimated daily discharges, which are poor. Satellite telemeter and National Weather Service telemeter at station.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Mar. 10	1000	8,410	16.36	Apr. 25	2330	*14,700	*21.17

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	120	165	447	586	784	3200	443	674	778	154	146	96
2	131	163	329	552	649	3370	401	587	940	170	135	94
3	150	158	401	473	570	2860	365	533	1510	167	125	93
4	155	156	1320	411	511	1880	342	515	1370	161	159	90
5	144	159	1670	364	469	1650	339	599	e710	168	323	91
6	137	195	1740	363	435	2330	331	524	e410	190	468	91
7	131	198	1200	469	408	3960	319	457	317	177	638	91
8	129	187	646	375	390	7120	302	446	273	161	413	90
9	157	178	481	375	376	6740	287	644	243	153	265	90
10	243	245	506	395	378	7920	275	504	223	148	310	89
11	235	301	995	351	445	4290	478	e420	211	150	225	90
12	253	292	1420	319	552	2370	712	e390	216	141	176	90
13	266	249	1120	371	500	1460	736	e370	210	138	e160	90
14	234	218	652	502	460	966	602	e350	199	133	e150	100
15	210	200	497	534	434	1510	443	e330	188	129	e150	135
16	191	187	515	646	434	3020	349	e310	181	123	e140	140
17	179	176	1130	513	602	e4100	297	289	172	134	e140	127
18	172	172	1660	416	1860	4370	271	273	164	127	e130	140
19	167	171	1450	1210	3170	2980	249	264	160	137	e130	111
20	162	167	871	2850	3420	1790	234	338	156	135	e120	104
21	170	163	604	3320	e2100	1170	4550	452	155	135	e120	111
22	259	161	511	2730	1430	877	4390	350	155	147	e110	188
23	370	159	482	1510	950	730	9190	283	154	126	e110	204
24	381	157	445	1380	693	634	12400	252	151	119	107	164
25	326	156	426	1340	609	560	14000	236	176	118	104	182
26	250	162	399	968	548	505	12100	221	163	157	102	167
27	210	174	362	980	496	476	4130	224	149	189	100	148
28	188	370	334	1880	1370	451	2210	235	144	150	98	140
29	175	570	321	2030	---	433	1170	e1200	141	140	97	133
30	168	592	339	1740	---	490	821	1050	143	139	97	126
31	167	---	440	1090	---	488	---	773	---	146	97	---
TOTAL	6230	6601	23713	31043	25043	74700	72736	14093	10162	4562	5645	3605
MEAN	201	220	765	1001	894	2410	2425	455	339	147	182	120
MAX	381	592	1740	3320	3420	7920	14000	1200	1510	190	638	204
MIN	120	156	321	319	376	433	234	221	141	118	97	89
CFSM	.27	.30	1.03	1.35	1.20	3.24	3.26	.61	.46	.20	.25	.16
IN.	.31	.33	1.19	1.55	1.25	3.74	3.64	.71	.51	.23	.28	.18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1995, BY WATER YEAR (WY)

	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
MEAN	295	615	1154	1836	2367	2323	2160	1130	443	515	340	286						
MAX	1660	3674	6085	5792	7841	5649	7455	4750	1609	4373	980	1264						
(WY)	1985	1994	1962	1962	1990	1980	1974	1991	1989	1940	1960	1957						
MIN	67.8	89.7	177	233	361	385	217	119	121	102	82.4	69.2						
(WY)	1953	1957	1953	1956	1957	1955	1963	1963	1988	1952	1954	1954						

SUMMARY STATISTICS FOR 1994 CALENDAR YEAR FOR 1995 WATER YEAR WATER YEARS 1938 - 1995

	1994 CALENDAR YEAR	1995 WATER YEAR	1938 - 1995
ANNUAL TOTAL	474781	278133	
ANNUAL MEAN	1301	762	1115
HIGHEST ANNUAL MEAN			2291
LOWEST ANNUAL MEAN			393
HIGHEST DAILY MEAN	20800	Jan 30	51000
LOWEST DAILY MEAN	120	Oct 1	55
ANNUAL SEVEN-DAY MINIMUM	127	Sep 26	57
INSTANTANEOUS PEAK FLOW			54200
INSTANTANEOUS PEAK STAGE			32.60
INSTANTANEOUS LOW FLOW			55
ANNUAL RUNOFF (CFSM)	1.75	1.03	1.50
ANNUAL RUNOFF (INCHES)	23.77	13.93	20.40
10 PERCENT EXCEEDS	3140	1660	2790
50 PERCENT EXCEEDS	440	310	374
90 PERCENT EXCEEDS	162	127	116

e Estimated

02472500 BOUIE CREEK NEAR HATTIESBURG, MS

LOCATION.--Lat 31°25'32", long 89°24'53", in NW1/4 SW1/4 sec.4, T.5 N., R.14 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170004, on left bank 25 ft downstream from upstream bridge of dual bridges on U.S. Highway 49, 1.0 mi upstream from Okatoma Creek, 2.2 mi southwest of Lux, 10.2 mi northwest of Hattiesburg, and 1.0 mi upstream from mouth.

DRAINAGE AREA.--304 mi².

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

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

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

REMARKS.--Estimated daily discharges: Oct. 11, 22-23, Nov. 5-12, 15-17, 22-30. Records good except for periods of reconstructed gage heights, Oct. 1-10, 12-21, Oct. 24 - Nov. 4, Nov. 13-14, 18-21, Dec. 1 and May 2, which are fair, and for estimated daily discharges, which are poor. Satellite telemeter at station.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Apr. 23	2400	*3,730	*12.46	No peaks greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	173	193	286	284	345	872	371	289	804	175	183	142
2	176	190	254	309	308	751	295	274	1290	175	185	143
3	180	186	498	289	285	457	261	263	1260	177	172	141
4	188	185	1420	262	267	358	244	256	699	184	171	139
5	188	e200	1090	252	256	572	237	255	366	200	207	138
6	183	e380	639	289	241	684	234	250	279	187	260	136
7	181	e242	393	536	235	723	226	243	246	181	208	135
8	178	e220	326	441	233	2130	218	242	227	179	184	134
9	265	e201	298	315	231	1820	213	639	216	170	178	133
10	298	e300	397	272	230	1520	208	658	209	167	177	133
11	e302	e444	649	254	271	882	442	366	204	162	173	133
12	390	e320	505	245	446	451	979	331	214	160	165	131
13	340	255	387	276	388	363	625	512	215	157	165	132
14	288	231	329	324	297	388	327	403	206	157	168	134
15	240	e218	287	301	265	1390	260	303	195	157	165	145
16	222	e210	290	271	256	1690	232	263	188	155	160	215
17	211	e206	668	249	318	1360	218	246	184	155	157	175
18	205	208	801	239	435	1200	209	234	179	154	159	158
19	204	206	539	292	396	745	201	231	177	181	157	172
20	209	205	355	356	524	506	196	229	175	219	151	163
21	211	206	305	403	479	400	954	221	175	178	155	151
22	e260	e204	298	288	334	347	864	214	178	166	184	148
23	e380	e203	314	468	278	315	2400	210	179	160	170	152
24	304	e202	296	560	259	290	3350	204	176	157	159	155
25	240	e201	272	371	256	272	2850	202	176	154	156	151
26	216	e200	260	295	241	257	1830	199	180	154	153	150
27	205	e220	256	842	230	252	700	194	190	161	151	148
28	198	e300	264	1920	299	291	416	198	180	158	149	145
29	195	e450	261	1300	---	318	348	306	174	160	146	141
30	194	e350	273	644	---	646	312	833	173	156	145	141
31	194	---	286	421	---	560	---	1100	---	162	145	---
TOTAL	7218	7336	13496	13568	8603	22810	20220	10368	9314	5218	5258	4414
MEAN	233	245	435	438	307	736	674	334	310	168	170	147
MAX	390	450	1420	1920	524	2130	3350	1100	1290	219	260	215
MIN	173	185	254	239	230	252	196	194	173	154	145	131
CFSM	.77	.80	1.43	1.44	1.01	2.42	2.22	1.10	1.02	.55	.56	.48
IN.	.88	.90	1.65	1.66	1.05	2.79	2.47	1.27	1.14	.64	.64	.54

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1995, BY WATER YEAR (WY)

	MEAN	204	311	510	657	804	812	729	491	264	266	234	230
MAX	841	1343	1708	1867	3294	2216	3084	2219	604	1553	660	1082	
(WY)	1986	1949	1962	1947	1961	1980	1974	1990	1991	1940	1949	1958	
MIN	102	108	169	139	203	203	162	125	124	128	112	99.1	
(WY)	1957	1957	1955	1957	1968	1955	1963	1956	1955	1968	1954	1954	

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1938 - 1995
ANNUAL TOTAL	196007	127823	
ANNUAL MEAN	537	350	458
HIGHEST ANNUAL MEAN			868
LOWEST ANNUAL MEAN			213
HIGHEST DAILY MEAN	11100	Jan 29	33500
LOWEST DAILY MEAN	164	Aug 29	83
ANNUAL SEVEN-DAY MINIMUM	168	Aug 25	84
INSTANTANEOUS PEAK FLOW			45500
INSTANTANEOUS PEAK STAGE			28.18
INSTANTANEOUS LOW FLOW			83
ANNUAL RUNOFF (CFSM)	1.77	1.15	1.51
ANNUAL RUNOFF (INCHES)	23.99	15.64	20.45
10 PERCENT EXCEEDS	921	647	881
50 PERCENT EXCEEDS	326	239	232
90 PERCENT EXCEEDS	183	155	133

e Estimated

PASCAGOULA RIVER BASIN

02472850 OKATOMA CREEK AT SANFORD, MS

LOCATION.--Lat 31°29'21", long 88°26'01", NW1/4 NE1/4 sec.18, T.6 N., R.14 N., 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 Stanford, 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 mi².

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

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

REMARKS.--Estimated daily discharges: Oct. 1 - Feb. 25, Apr. 30, May 2, Jul. 7-10, Sept. 7, 9, -11, 18-21. Records good except for estimated discharges, which are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e142	e148	e282	e215	e358	1380	330	311	527	129	132	89
2	e144	e148	e256	e248	e320	1070	282	e245	1250	132	132	89
3	e147	e146	e678	e230	e282	716	268	228	718	134	119	88
4	e148	e144	e1540	e220	e248	491	263	227	659	136	136	87
5	e146	e197	e1150	e218	e240	792	274	243	421	163	239	88
6	e143	e465	e665	e328	e225	766	272	229	232	212	211	90
7	e141	e218	e397	e563	e220	1210	256	216	191	e180	202	e89
8	e138	e190	e333	e460	e215	2310	242	231	174	e155	145	90
9	e230	e179	e282	e305	e210	1950	234	809	165	e130	141	e87
10	e307	e302	e384	e250	e205	2010	233	428	159	e126	184	e92
11	e333	e525	e691	e230	e269	1440	802	283	153	124	137	e100
12	e480	e320	e486	e215	e474	668	993	285	160	122	123	90
13	e358	e230	e384	e256	e410	439	713	338	154	118	119	91
14	e261	e210	e346	e332	e282	467	485	283	149	125	114	151
15	e210	e200	e282	e305	e230	1360	338	231	141	126	111	164
16	e189	e197	e307	e243	e225	1420	294	209	133	120	107	195
17	e180	e195	e678	e225	e333	1340	288	191	128	113	105	149
18	e175	e195	e896	e220	e448	1360	250	174	127	107	104	e178
19	e174	e194	e602	e260	e425	984	239	168	126	171	101	e165
20	e177	e192	e410	e358	e538	600	250	161	129	138	99	e122
21	e179	e190	e297	e448	e475	457	723	154	132	124	124	e107
22	e255	e189	e240	e333	e348	400	1200	148	135	118	112	109
23	e478	e187	e256	e499	e266	353	2970	143	131	111	110	164
24	e325	e185	e230	e575	e246	304	3550	142	131	107	104	161
25	e238	e184	e215	e376	e238	280	3710	140	129	104	99	133
26	e192	e184	e205	e256	228	257	2500	137	144	112	96	118
27	e169	e205	e200	e640	217	273	1400	135	135	125	93	112
28	e164	e333	e210	e2000	541	305	610	144	127	115	91	106
29	e154	e538	e212	e1280	---	301	430	840	132	108	89	101
30	e154	e307	e218	e665	---	536	e350	1580	125	110	89	96
31	e151	---	e220	e410	---	416	---	613	---	135	89	---
TOTAL	6682	7097	13552	13163	8716	26655	24749	9666	7217	4030	3857	3501
MEAN	216	237	437	425	311	860	825	312	241	130	124	117
MAX	480	538	1540	2000	541	2310	3710	1580	1250	212	239	195
MIN	138	144	200	215	205	257	233	135	125	104	89	87
CFSM	.84	.92	1.70	1.65	1.21	3.35	3.21	1.21	.94	.51	.48	.45
IN.	.97	1.03	1.96	1.91	1.26	3.86	3.58	1.40	1.04	.58	.56	.51

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

	MEAN	216	237	437	425	311	860	825	312	241	130	124	117
MAX	216	237	437	425	311	860	825	312	241	130	124	117	
(WY)	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995
MIN	216	237	437	425	311	860	825	312	241	130	124	117	
(WY)	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995

SUMMARY STATISTICS

FOR 1995 WATER YEAR

ANNUAL TOTAL	128885
ANNUAL MEAN	353
HIGHEST DAILY MEAN	3710
LOWEST DAILY MEAN	87
ANNUAL SEVEN-DAY MINIMUM	88
INSTANTANEOUS PEAK FLOW	3800
INSTANTANEOUS PEAK STAGE	14.00
INSTANTANEOUS LOW FLOW	86
ANNUAL RUNOFF (CFSM)	1.37
ANNUAL RUNOFF (INCHES)	18.66
10 PERCENT EXCEEDS	683
50 PERCENT EXCEEDS	218
90 PERCENT EXCEEDS	110

e Estimated

a Also occurred on Aug 30-31, Sept. 2-6, Sept. 12.

LOCATION.--Lat 31°20'33", long 89°16'46", 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.

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

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 118.23 ft above sea level (levels by U. S. Army Corps of Engineers). Prior to Jan. 15, 1939, nonrecording gage at same site and datum. Jan. 15, 1939 to Apr. 14, 1981, recording gage in concrete house on left bank 450 ft downstream from U.S. Highway 11.

REMARKS.--Estimated daily discharges: Jan. 26 - 30, July 26 - Aug. 1. 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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Mar. 8	1915	12,400	12.73	Apr. 26	0530	*19,200	*16.59

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	562	726	1670	1420	2260	4590	1920	2290	3270	668	e640	453
2	564	713	1310	1590	1800	6220	1600	1940	4100	730	632	455
3	591	706	1850	1490	1560	5400	1410	1800	4130	776	613	457
4	623	705	6270	1310	1410	4200	1310	1670	3480	746	976	447
5	650	740	5360	1200	1290	3560	1250	1600	2740	710	820	445
6	613	1440	4290	1270	1180	4180	1230	1620	1700	730	1020	442
7	592	1080	3420	2290	1110	5460	1190	1520	1280	749	1160	440
8	579	940	2430	1990	1060	11500	1150	1480	1100	712	1180	439
9	1200	876	1770	1490	1030	12200	1110	2350	996	671	939	439
10	1500	971	1660	1290	1030	11600	1070	2800	924	631	827	443
11	1300	1400	2690	1230	1380	11100	1880	1960	880	608	843	443
12	1590	1390	2880	1140	1990	6540	3640	1650	881	602	747	438
13	1530	1150	2900	1390	1870	3720	3070	1990	871	587	740	446
14	1280	992	2280	2040	1480	2640	2170	1800	850	570	924	448
15	1070	906	1720	1750	1270	4890	1660	1480	810	575	649	623
16	915	859	1540	1520	1200	7580	1360	1280	766	575	590	700
17	831	825	2900	1450	1260	8350	1190	1170	738	580	563	692
18	781	801	4050	1290	1980	9420	1080	1100	723	581	550	666
19	765	789	3770	1400	3370	7910	1020	1060	703	572	568	649
20	812	788	2940	2580	4930	5410	973	1020	696	663	651	608
21	791	772	2100	4190	4840	3690	3650	1070	690	637	708	555
22	1070	762	1780	4410	3230	2810	7630	1150	689	581	613	523
23	1510	750	1750	4020	2290	2350	11400	1040	685	629	579	644
24	1380	742	1620	3230	1750	2060	17300	958	676	567	544	772
25	1200	739	1490	2650	1490	1850	18700	914	678	534	521	694
26	1000	783	1400	e2280	1320	1690	18700	885	692	e540	503	647
27	868	835	1330	e2400	1210	1590	16200	866	696	e660	494	619
28	799	1020	1280	e7800	1350	1610	8990	873	692	e620	481	587
29	755	1710	1260	e7400	---	1720	4060	1210	797	e600	468	572
30	739	1940	1250	e4360	---	2480	2810	4810	670	e630	458	554
31	734	---	1290	3160	---	2430	---	4620	---	e650	452	---
TOTAL	29194	28850	74250	77030	51940	160750	140723	51976	38603	19684	21453	16340
MEAN	942	962	2395	2485	1855	5185	4691	1677	1287	635	692	545
MAX	1590	1940	6270	7800	4930	12200	18700	4810	4130	776	1180	772
MIN	562	705	1250	1140	1030	1590	973	866	670	534	452	438
CFSM	.54	.55	1.37	1.42	1.06	2.97	2.68	.96	.74	.36	.40	.31
IN.	.62	.61	1.58	1.64	1.11	3.42	2.99	1.11	.82	.42	.46	.33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1995, BY WATER YEAR (WY)

MEAN	1003	1668	2972	4159	5162	5203	4826	2946	1432	1486	1182	1105
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	347	456	756	797	1090	1221	825	544	529	521	423	377
(WY)	1964	1955	1955	1957	1957	1955	1963	1963	1963	1952	1954	1954

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1938 - 1995
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ANNUAL TOTAL	1050103		710793			
ANNUAL MEAN	2877		1947		2749	
HIGHEST ANNUAL MEAN					5121	1980
LOWEST ANNUAL MEAN					1191	1963
HIGHEST DAILY MEAN	31700	Jan 30	18700	Apr 25, 26	110000	Apr 15 1974
LOWEST DAILY MEAN	562	Oct 1	438	Sep 12	195	Sep 26 1938
ANNUAL SEVEN-DAY MINIMUM	585	Sep 27	441	Sep 6	327	Oct 17 1963
INSTANTANEOUS PEAK FLOW			19200	Apr 26	121000	Apr 15 1974
INSTANTANEOUS PEAK STAGE			16.59	Apr 26	34.03	Apr 15 1974
INSTANTANEOUS LOW FLOW			433	Sep 12	318	Oct 22 1963
ANNUAL RUNOFF (CFSM)	1.65		1.11		1.57	
ANNUAL RUNOFF (INCHES)	22.35		15.13		21.37	
10 PERCENT EXCEEDS	6720		4150		6300	
50 PERCENT EXCEEDS	1460		1160		1330	
90 PERCENT EXCEEDS	677		574		565	

e Estimated

PASCAGOULA RIVER BASIN

02473000 LEAF RIVER AT HATTIESBURG, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.93	2.17	3.54	3.15	4.72	6.98	4.07	4.54	5.64	2.14	---	1.68
2	1.93	2.15	3.03	3.41	4.15	8.43	3.64	4.10	6.46	2.26	2.07	1.68
3	1.98	2.13	3.68	3.29	3.82	7.78	3.37	3.92	6.49	2.34	2.03	1.69
4	2.04	2.13	8.28	3.05	3.60	6.75	3.22	3.75	5.85	2.29	2.62	1.66
5	2.10	2.18	7.48	2.89	3.42	6.15	3.14	3.64	5.05	2.22	2.42	1.65
6	2.02	3.32	6.45	3.02	3.26	6.74	3.10	3.68	3.77	2.26	2.77	1.64
7	1.97	2.77	5.57	4.41	3.14	7.78	3.05	3.53	3.18	2.29	3.00	1.64
8	1.94	2.54	4.46	4.05	3.06	12.14	2.98	3.47	2.90	2.23	3.02	1.63
9	3.03	2.43	3.65	3.40	3.02	12.56	2.92	4.59	2.73	2.15	2.63	1.63
10	3.49	2.58	3.49	3.13	3.01	12.20	2.85	5.12	2.61	2.07	2.44	1.63
11	3.19	3.25	4.76	3.05	3.55	11.85	3.97	4.12	2.53	2.02	2.47	1.63
12	3.60	3.23	4.97	2.94	4.40	8.72	6.01	3.71	2.53	2.01	2.29	1.62
13	3.52	2.87	4.99	3.33	4.24	6.53	5.42	4.17	2.52	1.98	2.27	1.63
14	3.15	2.60	4.27	4.23	3.70	5.45	4.39	3.91	2.48	1.94	2.60	1.63
15	2.81	2.46	3.55	3.88	3.40	7.45	3.73	3.47	2.41	1.95	2.10	2.00
16	2.55	2.37	3.30	3.58	3.29	9.47	3.30	3.18	2.33	1.95	1.98	2.16
17	2.41	2.31	4.93	3.51	3.38	10.00	3.04	3.01	2.27	1.96	1.93	2.14
18	2.31	2.25	6.16	3.28	4.37	10.74	2.87	2.89	2.25	1.97	1.90	2.09
19	2.28	2.23	5.87	3.48	5.95	9.65	2.77	2.84	2.21	1.95	1.94	2.05
20	2.36	2.22	4.99	4.97	7.38	7.64	2.69	2.78	2.19	2.13	2.09	1.97
21	2.32	2.19	4.01	6.68	7.31	6.06	5.89	2.85	2.18	2.08	2.22	1.85
22	2.79	2.16	3.60	6.89	5.82	5.14	9.44	2.97	2.18	1.97	2.03	1.78
23	3.47	2.14	3.55	6.55	4.76	4.60	12.00	2.80	2.17	2.06	1.96	2.03
24	3.28	2.12	3.37	5.79	4.08	4.26	15.54	2.67	2.16	1.94	1.89	2.28
25	3.00	2.11	3.18	5.21	3.72	3.99	16.32	2.59	2.16	1.87	1.84	2.12
26	2.68	2.19	3.05	---	3.48	3.77	16.33	2.54	2.19	---	1.80	2.03
27	2.44	2.27	2.94	---	3.30	3.63	14.94	2.51	2.19	---	1.78	1.97
28	2.32	2.58	2.86	---	3.51	3.66	10.32	2.52	2.19	---	1.75	1.91
29	2.24	3.60	2.85	---	---	3.81	6.42	3.05	2.38	---	1.72	1.87
30	2.21	3.92	2.86	---	---	4.75	5.14	7.09	2.14	---	1.70	1.83
31	2.19	---	2.94	5.75	---	4.70	---	6.95	---	---	1.69	---
MEAN	2.57	2.52	4.28	---	4.10	7.21	6.10	3.64	3.01	---	---	1.84
MAX	3.60	3.92	8.28	---	7.38	12.56	16.33	7.09	6.49	---	---	2.28
MIN	1.93	2.11	2.85	---	3.01	3.63	2.69	2.51	2.14	---	---	1.62

02473460 TALLAHALA CREEK AT WALDRUP, MS

LOCATION.--Lat 31°57'58", long 89°06'55", in SW1/4 sec.31, T.2 N., R.12 E., Choctaw Meridian, Jasper County, Hydrologic Unit 03170005, near right bank on downstream side of bridge on State Highway 528, 0.8 mi west of Waldrup, 11.6 mi east of Bay Springs, and 91.0 mi upstream from mouth.

DRAINAGE AREA.--102 mi².

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

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 290.00 ft above sea level. Prior to October 1979, at datum 290.00 ft lower. October 1979 to September 1980, non-recording gage and crest-stage gage at same site and datum.

REMARKS.--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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Mar. 16	1715	2,150	17.82	Apr. 24	0215	*5,240	*19.53

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.2	9.4	25	52	77	1720	38	36	41	8.3	8.0	3.8
2	5.6	9.4	18	45	65	1740	33	34	163	8.1	7.2	4.0
3	6.9	9.2	30	38	56	481	30	31	169	8.1	8.3	4.2
4	8.2	9.4	719	33	48	151	28	34	35	7.9	46	4.4
5	7.8	9.9	841	29	42	376	29	37	21	8.5	377	4.6
6	7.1	15	202	29	37	516	27	39	16	7.6	268	5.2
7	6.7	20	79	72	34	478	27	28	13	9.2	71	5.4
8	6.9	14	55	70	32	1610	23	25	11	7.1	27	5.5
9	8.2	12	44	49	29	1570	22	45	11	7.3	20	5.4
10	17	17	86	41	33	391	21	48	10	7.6	29	5.4
11	22	30	501	37	45	139	59	31	8.8	6.1	21	5.5
12	16	24	195	35	78	102	247	26	8.8	5.7	15	5.5
13	14	18	81	88	67	82	83	24	9.5	5.7	11	5.7
14	12	15	57	455	50	89	43	21	8.1	5.1	9.6	6.3
15	11	12	47	328	44	750	33	18	7.3	5.1	7.5	7.5
16	10	12	60	140	45	2030	26	17	6.9	4.9	6.5	8.0
17	9.7	11	448	89	107	1420	21	16	6.6	4.9	5.7	7.5
18	9.4	11	263	70	291	461	21	16	6.3	5.8	5.1	6.7
19	9.4	10	107	175	245	215	18	13	6.3	16	4.9	6.0
20	9.4	10	68	311	514	126	19	12	6.6	9.7	4.8	6.0
21	10	11	53	110	245	91	1670	16	8.7	65	6.0	6.1
22	36	10	58	75	109	75	2460	13	8.9	67	8.8	7.5
23	65	9.8	94	210	73	65	3370	11	7.9	13	7.2	8.6
24	31	9.5	66	319	59	57	3830	10	9.3	7.6	7.1	7.2
25	17	9.6	50	135	48	49	1300	9.7	8.8	5.8	5.8	6.7
26	12	10	41	91	41	44	169	9.4	7.8	5.4	5.0	7.2
27	10	12	36	117	39	42	84	8.8	6.6	29	4.5	7.1
28	9.3	48	34	595	671	41	64	9.1	8.1	31	4.1	6.4
29	9.1	103	32	378	---	39	52	19	16	12	3.7	6.2
30	8.7	45	33	151	---	46	43	64	11	8.8	3.5	6.1
31	9.2	---	57	101	---	44	---	45	---	7.7	3.6	---
TOTAL	419.8	546.2	4480	4468	3224	15040	13890	766.0	658.3	401.0	1011.9	181.7
MEAN	13.5	18.2	145	144	115	485	463	24.7	21.9	12.9	32.6	6.06
MAX	65	103	841	595	671	2030	3830	64	169	67	377	8.6
MIN	5.2	9.2	18	29	29	39	18	8.8	6.3	4.9	3.5	3.8
CFSM	.13	.18	1.42	1.41	1.13	4.76	4.54	.24	.22	.13	.32	.06
IN.	.15	.20	1.63	1.63	1.18	5.49	5.07	.28	.24	.15	.37	.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1995, BY WATER YEAR (WY)

	MEAN	55.2	148	202	332	423	383	301	149	53.0	75.3	32.7	30.8
MAX	294	367	710	834	1119	880	737	739	221	429	165	263	
(WY)	1986	1987	1983	1990	1990	1980	1991	1991	1983	1989	1982	1988	
MIN	4.83	6.79	14.3	30.5	115	131	35.8	11.8	2.90	6.81	4.94	4.79	
(WY)	1988	1982	1991	1981	1995	1982	1986	1988	1988	1981	1986	1987	

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1980 - 1995

ANNUAL TOTAL	72194.4	45086.9	
ANNUAL MEAN	198	124	181
HIGHEST ANNUAL MEAN			301
LOWEST ANNUAL MEAN			86.6
HIGHEST DAILY MEAN	8040	Jan 28	10900
LOWEST DAILY MEAN	5.2	Sep 30	1.5
ANNUAL SEVEN-DAY MINIMUM	5.6	Sep 26	1.9
INSTANTANEOUS PEAK FLOW			17900
INSTANTANEOUS PEAK STAGE			23.18
INSTANTANEOUS LOW FLOW			1.5
ANNUAL RUNOFF (CFSM)	1.94	1.21	1.77
ANNUAL RUNOFF (INCHES)	26.33	16.44	24.09
10 PERCENT EXCEEDS	451	245	439
50 PERCENT EXCEEDS	36	22	34
90 PERCENT EXCEEDS	8.2	6.0	6.1

02473500 TALLAHALA CREEK AT LAUREL, MS

LOCATION.--Lat 31°40'50", long 89°06'55", in NE1/4 sec.8, T.8 N., R.11 W., St. Stephens Meridian, Jones County, Hydrologic Unit 03170005, on right bank at upstream side of bridge on State Highway 15, 0.5 mi upstream from Illinois Central and Gulf Railroad bridge, 0.5 mi southeast of city limits of Laurel, 13.1 mi upstream from Tallahoma Creek, and 54.0 mi from mouth.

DRAINAGE AREA.--238 mi².

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

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

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

REMARKS.--Estimated daily discharges: Oct. 1-8, Nov. 2-5. Records good. Telemeter and satellite telemeter at station.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Apr. 25	2400	*4,750	*16.28	No other peaks greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e21	21	184	102	336	1060	204	241	189	21	31	11
2	e20	e20	133	124	255	1180	183	195	134	22	23	11
3	e19	e19	258	122	212	1230	162	167	124	23	18	9.7
4	e18	e18	576	114	184	1370	144	148	284	23	26	8.5
5	e17	e50	602	102	163	1620	133	140	181	24	24	9.5
6	e16	72	634	110	142	1600	128	138	94	24	168	9.1
7	e15	33	670	168	128	1310	123	132	67	22	411	9.0
8	e15	27	414	129	115	1630	116	135	53	19	287	10
9	82	31	218	163	107	1480	109	161	44	20	142	8.2
10	136	57	279	147	105	1490	115	228	37	21	82	7.3
11	106	56	329	118	146	1560	148	181	33	24	62	6.1
12	82	49	398	103	289	1600	202	153	31	18	95	7.7
13	72	52	518	160	265	1180	404	124	31	16	67	6.4
14	64	57	308	331	239	496	356	129	30	15	47	6.8
15	49	50	206	459	196	890	206	107	26	13	37	8.0
16	41	43	205	524	169	1440	143	89	24	11	30	7.3
17	35	37	269	368	178	1490	118	77	22	11	26	6.8
18	31	34	384	241	266	1620	99	69	20	15	22	8.9
19	29	31	529	235	524	1780	87	62	19	12	18	9.3
20	25	31	356	213	639	1980	78	57	19	10	22	9.4
21	42	30	233	359	643	1500	144	53	18	15	19	10
22	67	29	208	309	635	553	603	48	18	35	16	9.7
23	48	29	195	269	401	402	1300	46	18	72	16	8.8
24	46	27	198	253	271	326	1920	45	19	135	17	15
25	100	27	203	413	219	277	4140	42	19	61	17	14
26	73	31	163	341	184	242	4290	37	19	37	18	11
27	49	32	135	341	163	221	3080	34	19	31	17	11
28	36	108	119	630	345	205	2230	66	20	24	16	10
29	29	117	108	722	---	201	954	68	20	28	16	10
30	25	147	100	810	---	207	336	95	20	67	13	8.0
31	23	---	98	608	---	219	---	279	---	50	12	---
TOTAL	1431	1365	9230	9088	7519	32359	22255	3546	1652	919	1815	277.5
MEAN	46.2	45.5	298	293	269	1044	742	114	55.1	29.6	58.5	9.25
MAX	136	147	670	810	643	1980	4290	279	284	135	411	15
MIN	15	18	98	102	105	201	78	34	18	10	12	6.1
CFSM	.19	.19	1.25	1.23	1.13	4.39	3.12	.48	.23	.12	.25	.04
IN.	.22	.21	1.44	1.42	1.18	5.06	3.48	.55	.26	.14	.28	.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1995, BY WATER YEAR (WY)

	MEAN	63.2	176	397	591	762	806	710	348	120	135	77.9	65.5
MAX	433	1386	1967	2286	2478	1741	2366	1868	440	1604	378	381	
(WY)	1986	1949	1962	1947	1961	1980	1980	1953	1961	1940	1944	1988	
MIN	3.07	6.17	30.9	29.9	61.2	86.4	53.9	15.4	8.77	11.7	9.47	5.69	
(WY)	1964	1957	1957	1957	1957	1957	1963	1963	1988	1963	1951	1954	

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1938 - 1995
ANNUAL TOTAL	133098	91456.5	
ANNUAL MEAN	365	251	352
HIGHEST ANNUAL MEAN			726
LOWEST ANNUAL MEAN			109
HIGHEST DAILY MEAN	7370	4290	18400
LOWEST DAILY MEAN	15	6.1	1.8
ANNUAL SEVEN-DAY MINIMUM	17	7.0	2.0
INSTANTANEOUS PEAK FLOW		4750	23300
INSTANTANEOUS PEAK STAGE		16.28	23.28
INSTANTANEOUS LOW FLOW		4.2	1.8
ANNUAL RUNOFF (CFSM)	1.53	1.05	1.48
ANNUAL RUNOFF (INCHES)	20.80	14.29	20.11
10 PERCENT EXCEEDS	975	605	952
50 PERCENT EXCEEDS	115	95	99
90 PERCENT EXCEEDS	24	15	14

e Estimated

PASCAGOULA RIVER BASIN

67

02474500 TALLAHALA CREEK NEAR RUNNELSTOWN, MS

LOCATION.--Lat 31°19'57", long 89°06'46", in 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 11.9 mi upstream from mouth.

DRAINAGE AREA.--612 mi².

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

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

REMARKS.--Records good. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since about 1865, 30 1/2 ft in April 1900, flood in December 1919 reached a stage of 26 1/2 ft, and flood in about 1865 reached a stage between 26 1/2 ft and 30 1/2 ft, all from information by local residents, at datum 5.00 ft higher.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Mar. 8	0200	6,050	16.47	Apr. 28	0915	*6,280	*16.76

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	91	115	430	375	1260	1420	628	888	610	120	163	58
2	88	108	383	417	878	2190	544	624	665	144	150	53
3	88	99	563	410	717	2280	473	501	530	119	113	50
4	87	96	3100	386	611	2240	419	436	535	114	105	49
5	85	98	2670	354	533	2500	386	369	543	111	160	47
6	83	582	1690	370	470	2690	363	335	455	100	164	47
7	81	523	1390	891	423	3480	342	324	304	97	279	46
8	79	234	1250	727	383	5440	325	312	231	93	614	44
9	148	173	875	524	352	4390	309	517	194	91	523	44
10	575	195	664	515	335	3630	288	548	172	93	355	43
11	628	349	1250	476	541	3110	576	562	156	94	270	43
12	458	268	1070	420	871	2900	840	478	146	95	284	42
13	383	227	950	521	898	2780	725	591	145	97	363	42
14	297	194	1000	1100	726	2070	825	402	134	98	238	42
15	247	182	732	1000	610	2070	651	339	129	94	169	43
16	208	165	579	975	530	3260	457	286	124	88	136	44
17	178	150	1070	966	497	3660	349	237	119	84	116	45
18	158	139	1080	793	860	3790	291	204	113	81	101	53
19	149	129	993	1160	959	3540	255	189	107	79	90	54
20	163	122	1050	860	1340	3340	232	171	103	80	86	54
21	164	116	797	686	1440	3290	1160	154	101	81	148	53
22	218	112	650	844	1280	2650	821	142	100	79	195	55
23	550	109	727	1040	1110	1290	2300	132	96	81	116	55
24	319	104	611	1100	790	940	3980	126	94	83	89	56
25	214	102	545	839	602	787	4000	124	97	151	81	60
26	227	103	520	927	503	685	4640	118	122	154	77	65
27	217	113	459	1650	444	606	5730	111	106	132	74	e67
28	174	169	411	3590	482	570	6200	115	97	111	69	69
29	149	504	383	2690	---	557	5370	366	203	98	64	68
30	133	472	383	1960	---	754	2700	1200	141	92	61	67
31	123	---	369	1690	---	714	---	594	---	134	60	---
TOTAL	6762	6052	28644	30256	20445	73623	46179	11495	6672	3168	5513	1558
MEAN	218	202	924	976	730	2375	1539	371	222	102	178	51.9
MAX	628	582	3100	3590	1440	5440	6200	1200	665	154	614	69
MIN	79	96	369	354	335	557	232	111	94	79	60	42
CFSM	.36	.33	1.51	1.59	1.19	3.88	2.52	.61	.36	.17	.29	.08
IN.	.41	.37	1.74	1.84	1.24	4.48	2.81	.70	.41	.19	.34	.09

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1995, BY WATER YEAR (WY)

	MEAN	226	493	1068	1538	1927	2010	1826	1033	379	444	274	260
MAX	936	2635	4400	4627	5750	4291	6595	4728	1464	4294	933	1134	
(WY)	1958	1949	1962	1947	1961	1948	1980	1991	1991	1940	1944	1957	
MIN	32.5	39.4	97.1	131	273	343	162	77.1	71.0	70.3	56.4	36.8	
(WY)	1964	1964	1955	1957	1957	1957	1963	1963	1988	1963	1951	1954	

SUMMARY STATISTICS FOR 1994 CALENDAR YEAR FOR 1995 WATER YEAR WATER YEARS 1940 - 1995

	ANNUAL TOTAL	353144	240367	
ANNUAL MEAN	968	659	947	
HIGHEST ANNUAL MEAN			1949	1949
LOWEST ANNUAL MEAN			330	1963
HIGHEST DAILY MEAN	9410	Feb 1	6200	Apr 28
LOWEST DAILY MEAN	79	Sep 7	42	Sep 12
ANNUAL SEVEN-DAY MINIMUM	84	Oct 2	43	Sep 9
INSTANTANEOUS PEAK FLOW			6280	Apr 28
INSTANTANEOUS PEAK STAGE			16.76	Apr 28
INSTANTANEOUS LOW FLOW			42	Sep 13
ANNUAL RUNOFF (CFSM)	1.58		1.08	
ANNUAL RUNOFF (INCHES)	21.47		14.61	
10 PERCENT EXCEEDS	2680		1670	
50 PERCENT EXCEEDS	441		324	
90 PERCENT EXCEEDS	104		78	

e Estimated

PASCAGOULA RIVER BASIN

02474560 LEAF RIVER NEAR NEW AUGUSTA, MS

LOCATION.--Lat 31°13'17", long 89°03'11", in NE1/4 SW1/4 sec.13, T.3 N., R.11 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, on left bank at downstream abutment of bridge on State Highway 29, 4.2 mi downstream from Tallahala Creek and 1.4 mi north of courthouse in New Augusta, and at mile 43.6.

DRAINAGE AREA.--2.542 mi².

PERIOD OF RECORD.--December 1983 to current year. Daily mean gage heights published since December 1983.

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

REMARKS.--Estimated daily discharges: May 15-16, Aug. 27 - Sept. 11. Records good except for estimated discharges, which are poor. Telemeter and satellite telemeter at station.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	838	1000	2270	1930	4660	4380	3610	3820	4210	922	959	e750
2	832	981	1900	2130	3610	7870	3070	3110	4140	1020	949	e740
3	839	961	2170	2160	3100	7890	2730	2720	4730	1140	906	e710
4	856	947	7950	2000	2780	7120	2520	2480	4040	1040	950	e695
5	883	970	8770	1840	2540	6420	2390	2300	3590	987	1670	e680
6	885	1960	6630	1790	2370	6980	2290	2210	2690	957	1200	e660
7	852	2230	5310	2850	2220	7770	2240	2160	1910	978	1430	e650
8	834	1490	4370	3290	2120	14200	2180	2040	1580	964	1740	e642
9	1490	1290	3300	2530	2030	16300	2100	3250	1400	928	1690	e639
10	2710	1230	2670	2140	1990	15800	2030	3950	1280	887	1340	e635
11	2440	1570	3390	2020	2350	14600	2710	3220	1200	848	1240	e632
12	2270	1850	4180	1910	3480	12600	4840	2650	1160	832	1160	637
13	2290	1640	3930	2110	3590	8290	4740	2940	1150	848	1210	640
14	1940	1420	3760	3350	3070	6590	3890	2690	1110	828	1310	651
15	1640	1270	2980	3370	2620	7360	3190	e2100	1070	812	1130	684
16	1400	1180	2470	2920	2410	10200	2600	e1900	1030	845	947	920
17	1250	1130	2980	2830	2500	11600	2250	1730	987	806	885	924
18	1180	1090	4880	2600	3360	12600	2040	1590	956	999	845	913
19	1120	1050	4850	3440	4320	12200	1910	1550	931	874	852	876
20	1140	1030	4420	3350	5800	10000	1820	1460	917	904	851	838
21	1180	1020	3460	4620	6870	7960	3760	1390	903	948	1190	809
22	1190	995	2760	5380	5590	6680	7240	1450	897	856	1050	759
23	1960	977	2660	5560	4410	4790	9720	1410	887	848	921	756
24	2020	958	2510	5240	3490	3920	14900	1310	888	880	857	896
25	1720	950	2290	4230	2890	3490	17500	1240	874	829	809	951
26	1470	950	2140	3850	2550	3200	18700	1200	894	857	785	888
27	1330	970	2020	4340	2330	2990	19300	1170	906	1090	e730	852
28	1180	1090	1900	11100	2450	2880	18400	1160	891	966	e720	805
29	1100	1710	1850	11000	---	3000	12600	1540	1020	932	e710	771
30	1050	2380	1840	7930	---	4040	6980	3890	1010	874	e720	753
31	1020	---	1840	6180	---	4260	---	5620	---	905	e740	---
TOTAL	42909	38289	108450	119990	91500	247980	184250	71250	49251	28404	32496	22756
MEAN	1384	1276	3498	3871	3268	7999	6142	2298	1642	916	1048	759
MAX	2710	2380	8770	11100	6870	16300	19300	5620	4730	1140	1740	951
MIN	832	947	1840	1790	1990	2880	1820	1160	874	806	710	632
CFSM	.54	.50	1.38	1.52	1.29	3.15	2.42	.90	.65	.36	.41	.30
IN.	.63	.56	1.59	1.76	1.34	3.63	2.70	1.04	.72	.42	.48	.33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1995, BY WATER YEAR (WY)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
MEAN	1725	3324	3857	7339	7929	7162	5163	4767	2516	2284	1601	1354
MAX	3904	6466	7355	14920	21510	14330	9662	18250	6097	6709	2516	3485
(WY)	1985	1994	1987	1990	1990	1987	1991	1991	1991	1993	1985	1988
MIN	713	912	1373	2389	3268	3645	1624	1131	757	916	802	759
(WY)	1988	1991	1988	1988	1995	1988	1986	1988	1988	1995	1986	1995

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1984 - 1995
ANNUAL TOTAL	1478281	1037525	
ANNUAL MEAN	4050	2843	4122
HIGHEST ANNUAL MEAN			6332
LOWEST ANNUAL MEAN			2328
HIGHEST DAILY MEAN	36600	Jan 31	19300
LOWEST DAILY MEAN	796	Aug 30	632
ANNUAL SEVEN-DAY MINIMUM	842	Aug 25	639
INSTANTANEOUS PEAK FLOW			19500
INSTANTANEOUS PEAK STAGE			18.66
INSTANTANEOUS LOW FLOW			632
ANNUAL RUNOFF (CFSM)	1.59		1.12
ANNUAL RUNOFF (INCHES)	21.63		15.18
10 PERCENT EXCEEDS	10100		6490
50 PERCENT EXCEEDS	2270		1840
90 PERCENT EXCEEDS	916		838

e Estimated

PASCAGOULA RIVER BASIN

69

02474560 LEAF RIVER NEAR NEW AUGUSTA, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.23	2.51	4.35	3.65	6.80	6.45	5.69	6.53	6.94	2.68	2.61	---
2	2.22	2.48	3.86	3.92	5.69	9.87	5.08	5.73	6.86	2.85	2.60	---
3	2.23	2.45	4.17	3.97	5.11	9.89	4.68	5.27	7.48	3.03	2.52	---
4	2.26	2.42	10.04	3.75	4.74	9.14	4.41	4.98	6.77	2.88	2.59	---
5	2.31	2.46	10.71	3.53	4.45	8.49	4.26	4.75	6.27	2.77	3.69	---
6	2.31	3.94	8.68	3.46	4.23	9.00	4.13	4.64	5.23	2.72	3.00	---
7	2.26	4.29	7.44	4.80	4.04	9.75	4.06	4.56	4.24	2.75	3.34	---
8	2.23	3.28	6.50	5.32	3.90	14.86	3.98	4.41	3.77	2.72	3.79	---
9	3.24	2.97	5.34	4.43	3.79	16.39	3.88	5.87	3.50	2.65	3.72	---
10	4.90	2.89	4.60	3.94	3.73	15.99	3.79	6.67	3.33	2.57	3.20	---
11	4.57	3.40	5.43	3.78	4.19	15.18	4.60	5.86	3.19	2.50	3.04	---
12	4.35	3.79	6.31	3.62	5.55	13.72	6.97	5.19	3.13	2.46	2.91	1.91
13	4.38	3.50	6.04	3.89	5.66	10.26	6.88	5.53	3.12	2.49	3.00	1.91
14	3.91	3.18	5.86	5.39	5.07	8.65	6.00	5.24	3.06	2.44	3.13	1.93
15	3.50	2.95	4.97	5.42	4.55	9.38	5.21	---	2.99	2.41	2.86	2.00
16	3.15	2.81	4.35	4.90	4.28	11.88	4.52	---	2.92	2.46	2.55	2.42
17	2.92	2.73	4.95	4.79	4.39	12.97	4.08	3.98	2.85	2.39	2.44	2.42
18	2.80	2.65	7.02	4.51	5.41	13.75	3.80	3.78	2.80	2.72	2.36	2.40
19	2.72	2.60	6.99	5.50	6.45	13.42	3.63	3.74	2.76	2.50	2.38	2.34
20	2.75	2.57	6.55	5.40	7.91	11.77	3.50	3.60	2.73	2.55	2.37	2.27
21	2.81	2.54	5.52	6.76	8.89	9.95	5.70	3.49	2.71	2.62	2.93	2.21
22	2.83	2.50	4.70	7.51	7.71	8.72	9.26	3.58	2.69	2.46	2.71	2.12
23	3.93	2.47	4.59	7.68	6.54	6.92	11.47	3.52	2.67	2.45	2.49	2.11
24	4.02	2.44	4.40	7.37	5.56	6.02	15.38	3.37	2.66	2.50	2.37	2.36
25	3.61	2.43	4.12	6.35	4.86	5.56	17.26	3.26	2.63	2.41	2.28	2.45
26	3.25	2.43	3.94	5.95	4.45	5.23	18.11	3.20	2.66	2.46	2.24	2.34
27	3.04	2.46	3.77	6.42	4.18	4.98	18.53	3.15	2.68	2.84	---	2.28
28	2.81	2.67	3.62	12.56	4.32	4.86	17.89	3.14	2.65	2.63	---	2.19
29	2.67	3.58	3.54	12.53	---	4.99	13.71	3.71	2.86	2.58	---	2.12
30	2.59	4.50	3.53	9.92	---	6.15	9.42	6.51	2.83	2.48	---	2.09
31	2.54	---	3.54	8.26	---	6.39	---	8.35	---	2.52	---	---
MEAN	3.08	2.93	5.47	5.78	5.23	9.70	7.66	---	3.70	2.60	---	---
MAX	4.90	4.50	10.71	12.56	8.89	16.39	18.53	---	7.48	3.03	---	---
MIN	2.22	2.42	3.53	3.46	3.73	4.86	3.50	---	2.63	2.39	---	---

PASCAGOULA RIVER BASIN

02474600 BOGUE HOMO NEAR RICHTON, MS

LOCATION.--Lat 31°24'12", long 89°01'18", in 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 north-west of Richton.

DRAINAGE AREA.--344 mi².

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

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

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

REMARKS.--Estimated daily discharges: Oct. 1-5, Jun. 11-21. Records good except estimated daily discharges, which are poor. Flow slightly regulated by Lake Bogue Homo, 36 mi upstream.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood prior to January 1941, reached a stage of 26 1/2 ft and the flood of Mar. 21, 1943, reached a stage of 25.7 ft at site 3.5 mi downstream at different datum (from information by U. S. Army Corps of Engineers). A discharge of 4.7 ft³/s was measured Oct. 16, 1963.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
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No peaks greater than base discharge.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e15	125	193	104	862	788	396	189	669	32	77	8.5
2	e15	130	141	119	669	962	329	143	656	46	37	8.5
3	e14	134	252	121	588	854	268	121	654	38	25	8.1
4	e14	135	1750	105	537	807	231	112	452	31	45	9.1
5	e14	144	1920	87	500	1100	210	100	247	28	81	7.9
6	14	311	1340	105	462	1300	193	88	162	26	54	7.6
7	15	353	1130	824	415	1740	192	80	110	24	38	7.6
8	16	400	767	773	297	3620	170	81	81	22	27	7.3
9	36	270	507	420	208	4060	155	123	64	22	23	7.0
10	139	180	341	261	200	3690	142	93	55	22	23	7.8
11	141	170	376	192	325	2940	349	89	e51	20	80	7.4
12	167	208	522	156	639	2300	807	109	e48	19	48	7.4
13	132	163	533	448	674	1660	618	271	e45	20	33	8.5
14	97	126	477	1180	639	1130	457	200	e42	20	25	9.4
15	73	101	417	1080	573	1690	339	143	e40	19	23	10
16	55	79	398	855	523	2380	236	105	e38	18	22	13
17	44	64	521	773	519	2080	180	84	e36	17	18	12
18	41	56	656	646	836	1850	152	69	e34	17	16	10
19	38	50	597	1400	993	1690	135	62	e32	19	14	9.0
20	35	39	499	1360	873	1460	122	54	e30	20	16	8.6
21	35	32	414	926	813	1180	603	49	e28	21	16	8.6
22	38	27	389	762	713	842	1050	46	25	27	14	9.2
23	46	25	432	786	611	549	1120	47	25	36	14	8.6
24	113	22	436	901	531	410	1710	48	24	26	13	8.2
25	94	21	313	802	460	347	1420	48	26	21	13	8.5
26	75	22	239	699	304	310	1250	47	31	25	12	8.7
27	67	25	206	1240	195	274	1250	43	34	85	11	7.8
28	63	43	192	2740	273	253	1190	49	28	64	10	8.2
29	73	81	166	2510	---	264	887	263	29	34	9.9	8.5
30	77	213	110	1660	---	380	348	1010	28	34	9.7	7.7
31	90	---	92	1170	---	438	---	826	---	63	9.0	---
TOTAL	1886	3749	16326	25205	15232	43348	16509	4792	3824	916	856.6	258.7
MEAN	60.8	125	527	813	544	1398	550	155	127	29.5	27.6	8.62
MAX	167	400	1920	2740	993	4060	1710	1010	669	85	81	13
MIN	14	21	92	87	195	253	122	43	24	17	9.0	7.0
CFSM	.18	.36	1.53	2.36	1.58	4.06	1.60	.45	.37	.09	.08	.03
IN.	.20	.41	1.77	2.73	1.65	4.69	1.79	.52	.41	.10	.09	.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 1995, BY WATER YEAR (WY)

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
MEAN	150	275	677	1066	1068	1068	1009	596	179	152	96.0	164													
MAX	881	1284	2118	2287	2545	2180	2796	2359	533	682	537	1115													
(WY)	1976	1987	1974	1990	1990	1979	1980	1991	1991	1989	1975	1974													
MIN	10.4	12.8	26.0	87.5	277	295	93.7	65.0	15.8	24.5	15.2	8.62													
(WY)	1991	1982	1988	1981	1989	1986	1986	1988	1985	1987	1972	1995													

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1971 - 1995
ANNUAL TOTAL	154680	132902.3	
ANNUAL MEAN	424	364	539
HIGHEST ANNUAL MEAN			911
LOWEST ANNUAL MEAN			201
HIGHEST DAILY MEAN	5440	4060	19900
LOWEST DAILY MEAN	14	7.0	6.4
ANNUAL SEVEN-DAY MINIMUM	14	7.4	6.6
INSTANTANEOUS PEAK FLOW		4180	21900
INSTANTANEOUS PEAK STAGE		11.50	27.63
INSTANTANEOUS LOW FLOW		6.7	6.2
ANNUAL RUNOFF (CFSM)	1.23	1.06	1.57
ANNUAL RUNOFF (INCHES)	16.73	14.37	21.30
10 PERCENT EXCEEDS	1240	1060	1470
50 PERCENT EXCEEDS	152	110	170
90 PERCENT EXCEEDS	18	13	20

e Estimated

PASCAGOULA RIVER BASIN

71

02475000 LEAF RIVER NEAR McLAIN, MS

LOCATION.--Lat 31°06'10", long 88°48'30", in 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 mi².

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

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

REMARKS.--Estimated daily discharges: Feb. 18 - Mar. 2, Apr. 22-24, May 30 - Jun. 1, 3-4. Records fair except for estimated daily discharges, which are poor. 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1030	1300	2980	2280	10100	e5720	6680	7740	e7030	1490	1320	856
2	1020	1310	2680	2460	7710	e10300	5360	4420	6060	1770	1400	842
3	1020	1290	2830	2640	6230	11500	4550	3610	e6320	1770	1300	826
4	1020	1280	15100	2560	5270	10800	4060	3220	e6140	1670	1380	821
5	1040	1280	18300	2360	4490	9910	3770	2930	5190	1510	1990	809
6	1060	2730	14200	2240	4050	10300	3580	2740	4290	1410	2090	794
7	1040	4060	10300	3610	3780	11500	3420	2660	3140	1370	1810	790
8	1010	2980	8160	5300	3490	20200	3320	2530	2460	1360	1960	775
9	1180	2280	6620	4390	3250	24400	3190	3550	2130	1320	2240	759
10	3320	1990	4950	3460	3110	25200	3060	6350	1940	1280	2380	751
11	4060	2000	4570	3030	4060	24600	3970	5140	1820	1220	2010	737
12	2960	2380	5440	2870	6890	23100	7960	4100	1720	1180	1780	736
13	3040	2410	5290	3620	6180	19500	8420	4900	1660	1180	1620	737
14	2730	2110	5080	8580	5400	13700	6830	4780	1630	1180	1590	739
15	2300	1860	4490	8140	4500	14600	5590	3760	1580	1150	1710	759
16	1960	1670	3610	6120	3990	18100	4650	3050	1520	1140	1400	921
17	1700	1540	3630	5780	3980	19000	3940	2590	1470	1150	1240	1090
18	1540	1450	5340	5270	e5950	19500	3360	2330	1420	1170	1150	1130
19	1460	1380	6350	5860	e7070	19400	3010	2280	1390	1280	1100	1070
20	1420	1340	5960	7570	e8880	17900	2820	2190	1360	1370	1090	988
21	1490	1310	5060	6800	e10500	14500	4310	2010	1350	1300	1200	927
22	1610	1270	4160	7160	e9650	11400	e9580	1940	1330	1250	1390	872
23	1920	1230	3490	7900	e7500	8690	e14400	1980	1320	1160	1220	824
24	2560	1200	3450	8310	e5900	6430	e18500	1870	1320	1180	1100	856
25	2320	1170	3210	7270	e4500	5530	21200	1760	1350	1150	1020	1000
26	2020	1170	2890	5910	e3760	4950	23300	1700	1350	1120	976	995
27	1750	1180	2670	6050	e3400	4570	24800	1650	1390	1300	946	933
28	1600	1290	2510	15900	e3310	4320	25600	1620	1350	1660	922	897
29	1440	1630	2400	19800	---	4350	24500	2150	1320	1470	905	849
30	1370	2600	2340	17900	---	6350	17500	e4750	1520	1270	883	820
31	1330	---	2270	13200	---	7410	---	e8600	---	1220	867	---
TOTAL	55320	52690	170330	204340	156900	407730	275230	104900	73870	41050	43989	25903
MEAN	1785	1756	5495	6592	5604	13150	9174	3384	2462	1324	1419	863
MAX	4060	4060	18300	19800	10500	25200	25600	8600	7030	1770	2380	1130
MIN	1010	1170	2270	2240	3110	4320	2820	1620	1320	1120	867	736
CFSM	.51	.50	1.57	1.89	1.60	3.76	2.62	.97	.70	.38	.41	.25
IN.	.59	.56	1.81	2.17	1.67	4.34	2.93	1.12	.79	.44	.47	.28

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1995, BY WATER YEAR (WY)

	MEAN	1767	3012	6047	8351	10420	10880	10030	6168	2748	2897	2153	2132
MAX	6282	13580	25930	21120	30530	24300	39220	25390	9257	19680	5920	7901	
(WY)	1976	1949	1962	1947	1961	1948	1980	1991	1959	1940	1949	1979	
MIN	515	604	879	1343	2008	2362	1461	912	869	949	731	590	
(WY)	1964	1964	1955	1956	1957	1955	1963	1963	1963	1952	1963	1954	

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1940 - 1995

ANNUAL TOTAL	2097870	1612252	5526
ANNUAL MEAN	5748	4417	11060
HIGHEST ANNUAL MEAN			2024
LOWEST ANNUAL MEAN			126000
HIGHEST DAILY MEAN	45200	Feb 1	25600
LOWEST DAILY MEAN	1010	Sep 7	736
ANNUAL SEVEN-DAY MINIMUM	1030	Oct 2	745
INSTANTANEOUS PEAK FLOW			25800
INSTANTANEOUS PEAK STAGE			18.99
INSTANTANEOUS LOW FLOW			731
ANNUAL RUNOFF (CFSM)	1.64		1.26
ANNUAL RUNOFF (INCHES)	22.33		17.16
10 PERCENT EXCEEDS	15900		10300
50 PERCENT EXCEEDS	2980		2410
90 PERCENT EXCEEDS	1230		1020
			934

e Estimated

PASCAGOULA RIVER BASIN

02475500 CHUNKY RIVER NEAR CHUNKY, MS

LOCATION.--Lat 32°19'35", long 88°54'35", in SE1/4 SW1/4 sec.30, T.6 N., R.14 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03170001, on right bank at downstream side of bridge on U.S. Highway 80, 2,500 ft upstream from Illinois Central and Gulf Railroad bridge, 1.2 mi east of Chunky, 3.2 mi upstream from Tallahatta Creek, and 5.5 mi downstream from Concobona Creek.

DRAINAGE AREA.--369 mi².

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

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

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

REMARKS.--Estimated daily discharges: Jan. 11 - Feb. 7, Mar. 12-22, May 2, Sept. 7. Records good except for estimated daily discharges, which are poor. Satellite telemeter and National Weather Service telemeter at station.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Mar. 9	1315	5,590	13.16	Apr. 24	2015	*8,610	*16.87

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	54	161	309	e280	1460	271	328	1570	47	22	25
2	22	53	120	253	e260	1640	246	e300	1970	47	27	24
3	22	52	148	216	e240	873	223	273	2010	49	29	22
4	24	50	1350	193	e230	575	204	267	752	51	324	21
5	28	50	1590	178	e220	1290	189	292	352	52	1720	20
6	28	56	1070	169	e210	2790	179	277	243	55	1780	19
7	28	66	420	423	e200	3660	171	229	186	55	596	e19
8	27	68	293	492	189	4200	161	205	153	53	235	19
9	30	63	232	312	182	5270	151	249	133	48	220	18
10	53	67	336	253	188	4070	143	251	116	44	675	18
11	93	120	930	e220	479	1550	270	207	106	40	308	27
12	70	122	692	e190	786	e750	929	180	107	38	160	19
13	91	102	368	e600	564	e600	619	164	103	35	112	18
14	90	88	271	e1000	384	e500	336	153	93	33	90	18
15	76	78	226	e800	340	e1700	254	144	83	30	76	18
16	62	72	214	e600	481	e2500	211	138	75	28	67	18
17	55	68	394	e450	1570	e2100	182	136	70	31	60	18
18	49	66	468	e350	2570	e1500	160	146	65	51	54	18
19	48	66	318	e800	2460	e1000	142	580	61	35	48	17
20	49	64	239	e2300	1430	e750	128	510	61	30	46	19
21	198	64	201	e1100	825	e600	1800	231	67	34	47	33
22	380	64	205	e900	561	e500	3010	166	65	34	62	124
23	416	63	402	e700	443	406	4220	139	63	45	50	269
24	205	62	347	e560	385	360	7080	124	60	34	46	112
25	123	61	259	e450	338	315	6500	113	58	27	41	71
26	89	60	211	e400	300	282	3330	105	55	24	38	53
27	72	62	187	e450	281	268	846	98	58	29	35	45
28	63	158	174	e620	547	512	553	97	55	30	33	39
29	57	430	169	e520	---	454	441	548	52	24	30	34
30	53	276	280	e400	---	329	369	1920	48	22	28	31
31	54	---	390	e310	---	296	---	2670	---	21	27	---
TOTAL	2678	2725	12665	16518	16943	43100	33318	11240	8890	1176	7086	1206
MEAN	86.4	90.8	409	533	605	1390	1111	363	296	37.9	229	40.2
MAX	416	430	1590	2300	2570	5270	7080	2670	2010	55	1780	269
MIN	22	50	120	169	182	268	128	97	48	21	22	17
CFSM	.23	.25	1.11	1.44	1.64	3.77	3.01	.98	.80	.10	.62	.11
IN.	.27	.27	1.28	1.67	1.71	4.35	3.36	1.13	.90	.12	.71	.12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1995, BY WATER YEAR (WY)

	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
MEAN	98.9	282	542	850	1095	1140	974	479	194	224	123	92.8						
MAX	589	1854	2741	2561	3449	2890	2850	2072	617	1671	725	751						
(WY)	1978	1949	1962	1947	1990	1980	1979	1991	1983	1940	1975	1979						
MIN	4.01	16.8	74.0	143	241	185	113	41.5	18.3	16.1	10.5	3.08						
(WY)	1964	1964	1939	1956	1954	1955	1967	1963	1988	1952	1954	1954						

SUMMARY STATISTICS FOR 1994 CALENDAR YEAR FOR 1995 WATER YEAR WATER YEARS 1938 - 1995

	1994 CALENDAR YEAR	1995 WATER YEAR	WATER YEARS 1938 - 1995
ANNUAL TOTAL	219605	157545	
ANNUAL MEAN	602	432	505
HIGHEST ANNUAL MEAN			1028
LOWEST ANNUAL MEAN			171
HIGHEST DAILY MEAN	12400	7080	26400
LOWEST DAILY MEAN	22	17	1.6
ANNUAL SEVEN-DAY MINIMUM	24	18	1.8
INSTANTANEOUS PEAK FLOW		8610	40900
INSTANTANEOUS PEAK STAGE		16.87	26.64
INSTANTANEOUS LOW FLOW		17	1.6
ANNUAL RUNOFF (CFSM)	1.63	1.17	1.37
ANNUAL RUNOFF (INCHES)	22.14	15.88	18.60
10 PERCENT EXCEEDS	1590	1000	1270
50 PERCENT EXCEEDS	168	166	161
90 PERCENT EXCEEDS	40	28	25

e Estimated

02476500 SOWASHEE CREEK AT MERIDIAN, MS

LOCATION.--Lat 32°22'02", long 88°40'37", in NE1/4 sec. 7, T.6 N., R.16 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03170001, at bridge 0.6 mi downstream from Southern Railway System bridge, and 9.4 mi upstream from mouth.

DRAINAGE AREA.--52.1 mi², 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 sea level. 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: Mar. 27-31, Apr. 1, Aug. 3-18. 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, 29.4 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 26.6 ft at site 0.6 mi upstream at present datum, from information by Southern Railway Company. Flood of Apr. 8, 1938, reached a stage of 26.0 ft at site 0.4 mi upstream at present datum, from information by National Weather Service. The flood of Feb. 21, 1961, reached a stage 6.7 ft lower than that of the flood in February 1936, at site 0.6 mi upstream.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 3	2215	2,950	8.58	Mar. 8	0545	3,210	8.76
Mar. 1	0115	1,600	7.48	Mar. 15	1830	*3,540	*8.97
Mar. 5	2015	1,700	7.59	Apr. 21	1530	1,480	7.37
				Apr. 23	1500	1,500	7.39

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.1	11	20	21	46	926	e35	42	79	5.9	3.4	1.5
2	5.7	10	19	19	39	296	33	32	68	5.8	4.5	1.3
3	6.8	9.1	524	18	35	205	33	27	43	5.0	e45	1.2
4	6.6	9.6	1740	17	30	167	32	31	32	4.9	e300	1.2
5	5.6	24	316	18	27	859	31	30	28	4.6	e90	1.4
6	4.5	84	169	25	26	827	32	24	23	5.0	e35	1.3
7	3.6	23	111	34	26	1370	29	23	18	4.8	e15	1.7
8	3.4	15	79	22	24	2110	26	38	16	3.9	e12	1.5
9	33	12	58	18	23	508	25	64	14	4.9	e20	1.3
10	88	27	309	16	40	315	22	30	13	5.5	e25	1.4
11	30	27	237	14	75	232	174	23	14	5.0	e6.2	1.4
12	212	19	122	13	86	180	140	18	15	4.5	e4.5	1.3
13	76	18	92	302	46	140	56	17	11	4.1	e3.5	1.4
14	32	14	72	350	36	115	37	17	9.5	3.7	e2.8	1.5
15	20	15	53	124	47	1440	29	15	9.1	3.9	e2.4	1.4
16	14	14	61	79	107	1360	24	16	8.3	4.0	e2.1	1.7
17	11	14	83	60	954	398	24	14	8.5	5.3	e1.8	1.7
18	10	18	52	51	408	273	22	47	8.5	4.5	e1.7	1.7
19	9.9	12	36	91	290	190	19	140	9.2	3.5	1.6	1.6
20	73	12	31	54	264	146	36	34	8.2	3.6	1.6	2.0
21	91	9.9	28	39	165	118	1140	22	9.3	5.0	1.7	3.4
22	189	9.7	138	36	117	94	350	17	9.3	6.4	1.8	8.7
23	76	10	130	139	94	77	1220	15	9.4	5.6	1.4	4.4
24	27	9.0	68	81	75	64	443	14	9.3	4.6	1.5	2.6
25	18	9.8	47	57	59	51	190	13	10	5.4	1.4	2.5
26	15	10	37	49	52	43	132	13	12	5.3	1.3	3.0
27	13	12	31	69	51	e42	91	11	8.4	5.4	1.5	2.9
28	13	266	27	166	684	e64	72	101	6.6	4.0	1.4	3.0
29	12	75	25	85	---	e50	52	452	6.6	3.1	1.4	2.9
30	10	30	24	64	---	e41	43	231	5.5	2.7	1.3	2.8
31	11	---	22	51	---	e37	---	116	---	3.1	1.4	---
TOTAL	1124.2	829.1	4761	2182	3926	12738	4592	1687	521.7	143.0	594.2	65.7
MEAN	36.3	27.6	154	70.4	140	411	153	54.4	17.4	4.61	19.2	2.19
MAX	212	266	1740	350	954	2110	1220	452	79	6.4	300	8.7
MIN	3.4	9.0	19	13	23	37	19	11	5.5	2.7	1.3	1.2
CFSM	.70	.53	2.95	1.35	2.69	7.89	2.94	1.04	.33	.09	.37	.04
IN.	.80	.59	3.40	1.56	2.80	9.10	3.28	1.20	.37	.10	.42	.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1995, BY WATER YEAR (WY)

	MEAN	19.8	29.5	80.9	107	142	167	128	59.5	31.3	31.7	18.9	16.4
MAX	147	147	448	393	464	438	505	234	197	252	92.7	157	
(WY)	1990	1980	1962	1993	1961	1976	1964	1980	1989	1958	1982	1979	
MIN	.55	1.03	5.63	7.07	20.2	26.8	6.09	6.68	3.27	2.33	.74	.48	
(WY)	1955	1957	1955	1956	1957	1955	1986	1988	1988	1986	1954	1954	

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1951 - 1995

ANNUAL TOTAL	35296.6	33163.9	
ANNUAL MEAN	96.7	90.9	69.0
HIGHEST ANNUAL MEAN			130
LOWEST ANNUAL MEAN			19.4
HIGHEST DAILY MEAN	2180	2110	5770
LOWEST DAILY MEAN	2.3	1.2	.20
ANNUAL SEVEN-DAY MINIMUM	3.7	1.3	.27
INSTANTANEOUS PEAK FLOW		3540	9530
INSTANTANEOUS PEAK STAGE		8.97	32.04a
INSTANTANEOUS LOW FLOW		.92	.20b
ANNUAL RUNOFF (CFSM)	1.86	1.74	1.32
ANNUAL RUNOFF (INCHES)	25.20	23.68	17.99
10 PERCENT EXCEEDS	220	190	137
50 PERCENT EXCEEDS	35	23	19
90 PERCENT EXCEEDS	7.9	2.3	2.3

e Estimated

a At site 0.4 mi upstream.

b Also many days from July to September 1957.

02476600 OKATIBBEE CREEK AT ARUNDEL, MS

LOCATION.--Lat 32°17'55", long 88°45'15", in SE1/4SW1/4 sec.3, T.5 N., R.15 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03170001, on right bank, 100 ft downstream from Hognose Creek, 400 ft upstream from bridge on county road, 0.6 mi southeast of Arundel, and at mi 16.3.

DRAINAGE AREA.--342 mi².

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

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

REMARKS.--Estimated daily discharges: Dec. 20-23, Feb. 24-27, Mar. 7-13, 18-21, May 2, Jul. 28-31, Aug. 1,2,10-31, Sept. 1-19. Records fair except for estimated discharges, which are poor. Flow from 154 mi² above the station, 21.3 mi upstream, regulated by Okatibbee Lake since November 1968. Telemeter, satellite telemeter, and U.S. Army Corps of Engineers radio telemeter at station.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	71	305	241	477	1160	506	1010	390	65	e53	e41
2	49	72	298	227	467	890	483	e850	511	68	e60	e41
3	58	70	600	217	447	760	460	962	662	69	57	e41
4	53	69	3180	211	279	858	296	1120	831	72	1080	e42
5	52	74	1910	207	213	1130	237	1150	908	73	478	e42
6	51	195	779	220	203	1580	225	1120	659	66	274	e41
7	50	97	953	243	195	e1500	218	906	245	63	224	e41
8	49	78	1130	224	166	e1240	181	471	157	59	184	e41
9	77	73	1140	212	136	e990	158	405	124	58	152	e43
10	176	106	1190	204	153	e700	151	272	111	59	e190	e43
11	96	98	1150	204	185	e740	432	237	103	56	e120	e44
12	209	90	641	204	277	e770	619	217	131	53	e100	e44
13	155	81	899	568	202	e800	272	183	110	50	e95	e46
14	102	75	1160	1090	533	1220	201	161	98	49	e90	e45
15	81	118	1250	601	692	1350	175	150	90	48	e88	e44
16	74	190	1300	405	789	1600	158	148	84	46	e85	e45
17	72	186	1160	520	1200	1210	148	140	81	45	e82	e46
18	67	194	1050	662	1370	e940	142	165	78	46	e79	e47
19	66	199	1200	861	897	e900	134	854	85	47	e76	e80
20	72	199	e1170	861	757	e920	130	309	110	42	e73	160
21	290	197	e1070	946	555	e990	2690	172	84	42	e70	281
22	491	197	e900	1030	407	1420	2640	141	84	49	e65	550
23	278	193	e700	1140	664	1560	3500	123	98	44	e62	413
24	143	195	517	1120	e670	1500	3260	114	95	41	e58	305
25	106	194	452	934	e600	1490	1670	107	96	42	e54	295
26	90	200	413	779	e580	1180	1050	107	92	94	e52	292
27	82	200	300	475	e650	909	1220	102	78	61	e50	291
28	79	596	258	482	990	926	1270	178	73	e60	e48	285
29	76	331	249	399	---	850	1250	1290	69	e58	e46	285
30	71	267	266	313	---	770	1220	1100	67	e56	e44	285
31	71	---	251	412	---	577	---	592	---	e54	e42	---
TOTAL	3434	4905	27841	16212	14754	33430	25096	14856	6404	1735	4231	4299
MEAN	111	163	898	523	527	1078	837	479	213	56.0	136	143
MAX	491	596	3180	1140	1370	1600	3500	1290	908	94	1080	550
MIN	48	69	249	204	136	577	130	102	67	41	42	41
CFSM	.32	.48	2.63	1.53	1.54	3.15	2.45	1.40	.62	.16	.40	.42
IN.	.37	.53	3.03	1.76	1.60	3.64	2.73	1.62	.70	.19	.46	.47

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 1995, BY WATER YEAR (WY)

MEAN	134	317	562	787	1008	1113	1002	579	281	238	170	162
MAX	429	942	1569	1729	3160	2295	2359	1977	1275	1003	408	565
(WY)	1971	1993	1983	1993	1990	1979	1980	1991	1983	1989	1975	1979
MIN	31.2	33.4	82.0	118	281	233	124	94.5	42.8	56.0	64.9	60.0
(WY)	1970	1979	1988	1988	1986	1988	1986	1992	1970	1995	1972	1993

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1969 - 1995	
ANNUAL TOTAL	202875		157197		527	
ANNUAL MEAN	556		431		1022	
HIGHEST ANNUAL MEAN					181	
LOWEST ANNUAL MEAN					18700	
HIGHEST DAILY MEAN	4140	Jan 28	3500	Apr 23	19	Feb 16 1990
LOWEST DAILY MEAN	48	Oct 1	41	Jul 24	22	Nov 9 1981
ANNUAL SEVEN-DAY MINIMUM	52	Oct 1	41	Sep 1	22800	Nov 13 1981
INSTANTANEOUS PEAK FLOW			4290	Apr 23	22.65	Feb 16 1990
INSTANTANEOUS PEAK STAGE			17.46	Apr 23	1.54	Feb 16 1990
ANNUAL RUNOFF (CFSM)	1.63		1.26		20.92	
ANNUAL RUNOFF (INCHES)	22.07		17.10			
10 PERCENT EXCEEDS	1360		1140		1380	
50 PERCENT EXCEEDS	205		200		211	
90 PERCENT EXCEEDS	65		49		61	

e Estimated

PASCAGOULA RIVER BASIN

75

02476600 OKATIBBEE CREEK AT ARUNDEL, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.54	3.90	5.76	5.38	6.52	9.66	6.91	9.05	6.38	3.88	---	---
2	3.56	3.91	5.72	5.30	6.48	8.39	6.80	---	6.94	3.93	---	---
3	3.70	3.88	7.05	5.23	6.39	7.81	6.69	8.87	7.64	3.94	3.73	---
4	3.63	3.87	16.00	5.18	5.59	8.25	5.89	9.52	8.33	3.98	9.24	---
5	3.61	3.93	12.63	5.16	5.20	9.47	5.53	9.64	8.63	3.99	6.54	---
6	3.58	5.03	7.90	5.24	5.13	11.49	5.45	9.52	7.58	3.89	5.59	---
7	3.56	4.22	8.70	5.40	5.07	---	5.39	8.64	5.57	3.84	5.27	---
8	3.54	4.00	9.51	5.28	4.85	---	5.11	6.76	4.90	3.77	4.99	---
9	3.90	3.93	9.55	5.19	4.61	---	4.92	6.46	4.61	3.76	4.74	---
10	4.93	4.31	9.81	5.14	4.75	---	4.86	5.76	4.47	3.79	---	---
11	4.21	4.23	9.61	5.14	4.99	---	6.33	5.53	4.39	3.71	---	---
12	5.16	4.14	7.27	5.14	5.60	---	7.42	5.39	4.67	3.66	---	---
13	4.76	4.03	8.45	6.90	5.12	---	5.75	5.13	4.46	3.62	---	---
14	4.28	3.96	9.68	9.32	6.77	9.92	5.27	4.95	4.32	3.58	---	---
15	4.04	4.39	10.08	7.09	7.50	10.52	5.07	4.86	4.24	3.56	---	---
16	3.94	5.04	10.27	6.22	7.94	11.54	4.93	4.84	4.16	3.53	---	---
17	3.91	5.01	9.63	6.72	9.81	9.89	4.84	4.76	4.11	3.52	---	---
18	3.84	5.07	9.16	7.37	10.57	---	4.78	4.91	4.08	3.53	---	---
19	3.83	5.10	9.84	8.26	8.43	---	4.71	8.42	4.16	3.56	---	---
20	3.88	5.10	---	8.26	7.79	---	4.66	5.93	4.44	3.45	---	4.59
21	5.48	5.09	---	8.65	6.88	---	14.68	5.04	4.15	3.46	---	5.56
22	6.60	5.09	---	9.03	6.23	10.79	14.95	4.77	4.16	3.60	---	6.79
23	5.58	5.06	---	9.57	7.38	11.39	16.26	4.60	4.32	3.48	---	6.18
24	4.67	5.07	6.70	9.47	---	11.14	16.09	4.50	4.29	3.44	---	5.67
25	4.31	5.06	6.41	8.60	---	11.11	11.70	4.43	4.30	3.45	---	5.61
26	4.15	5.11	6.25	7.90	---	9.77	9.24	4.43	4.25	4.22	---	5.58
27	4.05	5.11	5.73	6.53	---	8.64	9.93	4.37	4.07	3.80	---	5.57
28	4.01	7.05	5.49	6.55	8.87	8.70	10.18	4.81	4.00	---	---	5.53
29	3.97	5.86	5.44	6.20	---	8.41	10.07	10.27	3.95	---	---	5.53
30	3.91	5.54	5.54	5.80	---	8.09	9.93	9.43	3.91	---	---	5.53
31	3.90	---	5.45	6.24	---	7.26	---	7.30	---	---	---	---
MEAN	4.19	4.70	---	6.69	---	---	7.81	---	4.98	---	---	---
MAX	6.60	7.05	---	9.57	---	---	16.26	---	8.63	---	---	---
MIN	3.54	3.87	---	5.14	---	---	4.66	---	3.91	---	---	---

LOCATION.--Lat 32°10'32", long 88°49'10", in 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.

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

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

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

REMARKS.--Estimated daily discharges: July 30 - Aug. 3, Aug. 26 - Sept. 20. Records good except for estimated discharges, which are poor. Flow from 154 mi² above the station, 38.4 mi upstream, regulated by Okatibbee Lake since November 1968. Satellite telemeter and National Weather Service telemeter at station.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Mar. 8	2400	10,200	25.02	Apr. 25	1130	*12,800	*27.13

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	132	193	609	780	1020	4180	1020	1670	2730	176	e119	e107
2	132	188	536	675	973	3350	925	1370	2770	173	e116	e103
3	132	185	657	596	918	2340	857	1310	3090	174	e116	e100
4	132	181	4520	547	824	1930	782	1500	2200	174	1870	e96
5	131	177	4670	515	646	2780	624	1660	1630	176	2660	e93
6	131	352	2730	507	579	6130	580	1610	1390	178	2570	e90
7	130	286	1610	670	548	7670	557	1470	872	181	1480	e87
8	129	241	1640	1010	524	9730	515	1070	603	183	654	e84
9	131	217	1570	711	472	9890	457	898	466	185	433	e82
10	286	256	1750	605	469	7060	431	756	391	187	1070	e81
11	335	309	2590	559	611	4350	772	609	344	189	682	e80
12	335	335	1930	545	1410	3060	2070	527	334	188	405	e79
13	395	303	1400	958	1150	2600	1430	478	340	187	302	e81
14	339	272	1590	2540	981	2370	811	414	320	186	288	e85
15	293	256	1660	2270	1190	3200	607	382	271	184	231	e86
16	254	318	1700	1520	1370	5990	518	370	249	183	197	e85
17	224	338	1810	1150	3080	5820	468	356	228	183	179	e84
18	206	335	1720	1130	5000	4530	430	338	211	182	167	e84
19	190	336	1700	1850	3960	3250	403	1490	200	181	170	e83
20	181	338	1650	3220	2920	2690	380	1300	233	178	151	e110
21	371	338	1590	3170	2000	2440	5380	614	222	177	181	304
22	1110	336	1580	2570	1450	2320	6790	429	213	175	203	586
23	1080	333	1480	2050	1210	2250	9710	354	213	171	203	938
24	633	328	1160	2120	1600	2150	12000	308	219	167	166	613
25	383	327	929	1820	1610	2040	12600	283	207	165	147	451
26	296	327	800	1440	1560	1910	7670	373	212	174	e140	410
27	256	333	701	1210	1510	1470	3660	272	196	182	e134	385
28	234	830	582	1280	1760	1600	2600	281	178	163	e129	369
29	220	1050	552	1510	---	1630	2060	1610	176	149	e122	357
30	207	736	677	1180	---	1410	1850	3900	178	e135	e116	307
31	197	---	853	988	---	1230	---	3970	---	e123	e111	---
TOTAL	9205	10354	48946	41696	41345	113370	78957	31972	20886	5409	15512	6500
MEAN	297	345	1579	1345	1477	3657	2632	1031	696	174	500	217
MAX	1110	1050	4670	3220	5000	9890	12600	3970	3090	189	2660	938
MIN	129	177	536	507	469	1230	380	272	176	123	111	79
CFSM	.32	.38	1.72	1.47	1.61	3.98	2.87	1.12	.76	.19	.55	.24
IN.	.37	.42	1.98	1.69	1.68	4.59	3.20	1.30	.85	.22	.63	.23

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1995, BY WATER YEAR (WY)

MEAN	258	661	1350	2014	2708	2841	2507	1276	533	605	359	280
MAX	1310	4011	7012	6475	9250	6415	6793	5644	2200	4494	1518	1654
(WY)	1978	1949	1962	1947	1990	1980	1979	1991	1983	1940	1946	1979
MIN	23.5	49.4	174	286	715	540	310	125	101	50.9	42.7	24.8
(WY)	1964	1964	1964	1956	1968	1955	1967	1963	1988	1952	1954	1954

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1938 - 1995
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ANNUAL TOTAL	585109		424152			
ANNUAL MEAN	1603		1162		1275	
HIGHEST ANNUAL MEAN					2633	1983
LOWEST ANNUAL MEAN					428	1963
HIGHEST DAILY MEAN	19000	Jan 30	12600	Apr 25	58500	Feb 23 1961
LOWEST DAILY MEAN	129	Oct 8	79	Sep 12	18	Sep 25 1954
ANNUAL SEVEN-DAY MINIMUM	131	Oct 3	82	Sep 8	18	Sep 24 1954
INSTANTANEOUS PEAK FLOW			12800	Apr 25	61700	Feb 23 1961
INSTANTANEOUS PEAK STAGE			27.13	Apr 25	42.94	Feb 23 1961
INSTANTANEOUS LOW FLOW			not determined		18	Sep 25 1954
ANNUAL RUNOFF (CFSM)	1.75		1.27		1.39	
ANNUAL RUNOFF (INCHES)	23.71		17.19		18.87	
10 PERCENT EXCEEDS	3860		2710		3190	
50 PERCENT EXCEEDS	590		515		478	
90 PERCENT EXCEEDS	167		132		93	

e Estimated

02477000 CHICKASAWHAY RIVER AT ENTERPRISE, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.67	5.04	6.83	7.38	8.05	15.28	8.07	9.80	13.17	4.94	---	---
2	4.67	5.01	6.58	7.05	7.93	14.92	7.80	9.00	12.53	4.93	---	---
3	4.67	5.00	6.94	6.79	7.78	11.67	7.61	8.84	13.57	4.93	---	---
4	4.66	4.97	15.44	6.62	7.51	10.48	7.38	9.35	11.28	4.93	10.28	---
5	4.66	4.95	17.44	6.50	6.96	11.76	6.88	9.76	9.69	4.94	12.42	---
6	4.66	5.82	13.30	6.48	6.73	18.72	6.74	9.63	9.07	4.96	12.19	---
7	4.66	5.52	9.63	7.02	6.63	21.55	6.66	9.28	7.64	4.97	9.28	---
8	4.65	5.28	9.72	8.03	6.54	24.46	6.51	8.20	6.81	4.98	6.97	---
9	4.67	5.16	9.55	7.16	6.35	24.83	6.28	7.72	6.32	5.00	6.19	---
10	5.51	5.36	10.00	6.82	6.33	22.70	6.18	7.30	6.02	5.01	8.20	---
11	5.76	5.64	12.23	6.67	6.81	18.29	7.24	6.83	5.81	5.02	7.05	---
12	5.76	5.77	10.48	6.62	9.10	14.15	10.85	6.55	5.76	5.01	6.07	---
13	6.03	5.61	9.10	7.82	8.42	12.26	9.16	6.37	5.79	5.01	5.60	---
14	5.78	5.45	9.60	12.10	7.95	11.65	7.46	6.11	5.69	5.00	5.53	---
15	5.56	5.36	9.76	11.38	8.54	12.99	6.83	5.98	5.44	4.99	5.24	---
16	5.35	5.67	9.87	9.40	9.00	18.44	6.52	5.92	5.32	4.98	5.06	---
17	5.20	5.78	10.17	8.41	12.36	19.85	6.33	5.86	5.22	4.98	4.96	---
18	5.11	5.76	9.92	8.38	17.48	17.62	6.18	5.78	5.13	4.97	4.89	---
19	5.02	5.77	9.87	10.18	16.22	14.75	6.07	9.25	5.07	4.97	4.91	---
20	4.97	5.78	9.74	13.80	13.71	12.59	5.96	8.82	5.25	4.96	4.80	---
21	5.86	---	9.60	13.82	10.68	11.85	16.33	6.84	5.19	4.95	4.97	5.61
22	8.31	---	9.56	12.32	9.22	11.51	20.65	6.17	5.14	4.94	5.09	6.70
23	8.22	5.75	9.31	10.80	8.59	11.34	24.01	5.85	5.14	4.91	5.09	7.83
24	6.90	5.73	8.46	10.98	9.61	11.06	26.50	5.64	5.17	4.89	4.88	6.84
25	5.98	5.73	7.81	10.19	9.65	10.78	26.93	5.51	5.12	4.88	4.77	6.26
26	5.57	5.73	7.44	9.19	9.50	10.42	23.56	5.92	5.14	4.93	---	6.09
27	5.36	5.76	7.13	8.59	9.38	9.27	16.85	5.45	5.05	4.97	---	5.99
28	5.25	7.44	6.74	8.77	9.92	9.60	12.71	5.48	4.95	4.87	---	5.92
29	5.18	8.14	6.64	9.37	---	9.71	10.81	9.27	4.95	4.78	---	5.86
30	5.11	7.24	7.05	8.50	---	9.12	10.28	14.92	4.96	---	---	5.62
31	5.06	---	7.59	7.97	---	8.63	---	15.69	---	---	---	---
MEAN	5.45	---	9.47	8.87	9.18	14.27	11.04	7.84	6.71	---	---	---
MAX	8.31	---	17.44	13.82	17.48	24.83	26.93	15.69	13.57	---	---	---
MIN	4.65	---	6.58	6.48	6.33	8.63	5.96	5.45	4.95	---	---	---

02477350 CHICKASAWHAY RIVER AT SHUBUTA, MS

LOCATION.--Lat 31°51'25", long 88°41'11", in NW1/4 sec.10, T.10 N., R.7 W., St. Stephens Meridian, Clarke County, Hydrologic Unit 03170002, at bridge on county road, 0.5 mi southeast of Shubuta and at mile 114.0.

DRAINAGE AREA.--1,458 mi².

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

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

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

REMARKS.--Records furnished by National Weather Service.

EXTREMES FOR PERIOD OF RECORD.--1905 to 1961: Maximum discharge, 86,000 ft³/s, Dec. 11, 1919, gage height, 44.3 ft, former site and datum, 47.2 ft at present site and datum.
1904 to current year: Maximum gage height, 47.2 ft, Dec. 11, 1919, minimum since January 1972, 1.70 ft, Sept. 7-12, 16-19, 21, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum gage height observed, 25.0 ft, Apr. 27, minimum observed, 1.70 ft, Sept 7-12, 16-19, 21.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY OBSERVATION AT 06:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.00	2.50	---	6.00	7.20	14.60	7.20	9.10	13.60	2.70	2.90	2.20
2	2.00	2.40	---	5.80	7.00	16.90	6.90	8.80	13.90	2.70	3.00	2.10
3	2.00	2.40	4.90	5.50	6.80	15.90	6.50	7.90	10.50	2.50	2.80	1.90
4	2.00	2.40	15.30	5.10	6.50	13.10	6.30	7.30	11.50	2.50	8.90	1.90
5	2.00	2.60	16.60	4.80	6.20	11.10	6.10	7.90	11.10	2.70	10.70	1.80
6	2.10	3.00	16.30	4.60	5.60	12.50	5.60	8.30	8.20	2.70	11.80	1.80
7	2.00	3.20	14.90	4.70	5.30	17.50	5.30	8.30	7.20	2.80	11.20	1.70
8	1.90	3.40	11.00	5.10	5.00	23.20	5.10	7.80	6.10	2.70	10.40	1.70
9	2.00	3.40	9.50	5.90	4.90	23.80	4.90	7.00	4.90	2.70	7.00	1.70
10	2.80	3.10	8.20	5.70	4.90	22.70	4.80	6.80	4.30	2.90	5.10	1.70
11	2.90	3.10	7.30	5.30	6.00	22.50	4.70	6.30	4.00	2.70	4.40	1.70
12	3.60	3.30	9.40	4.90	6.80	21.70	5.70	5.80	3.80	2.50	6.60	1.70
13	3.60	3.70	10.80	5.10	7.40	17.60	9.60	5.20	4.00	2.30	4.60	2.50
14	3.60	3.60	9.10	11.20	7.90	12.30	9.70	4.90	3.80	2.30	4.00	2.10
15	3.70	3.40	8.20	12.70	6.70	11.50	7.30	4.70	3.60	2.20	3.60	1.80
16	3.50	3.60	8.20	12.50	7.00	16.30	5.40	4.50	3.30	2.20	3.40	1.70
17	3.10	3.40	9.10	10.20	7.40	17.40	5.00	4.30	3.20	2.20	3.20	1.70
18	2.90	3.40	9.80	7.70	8.90	18.50	4.80	4.70	3.20	2.20	3.00	1.70
19	2.80	3.30	9.60	7.10	---	18.40	4.50	4.00	3.00	2.10	2.80	1.70
20	2.60	3.30	9.00	8.60	16.00	16.60	4.20	7.10	3.00	2.10	2.60	1.80
21	2.60	3.20	8.30	10.90	14.30	12.50	8.40	6.90	2.90	2.20	2.60	1.70
22	3.10	---	7.80	12.30	11.40	11.00	17.80	6.10	3.00	2.40	2.70	2.40
23	6.40	---	8.20	11.90	8.60	10.50	19.80	4.90	2.90	2.50	2.70	3.40
24	6.80	---	8.00	10.20	7.80	10.10	23.10	4.00	2.80	2.70	2.80	5.00
25	6.20	---	7.40	10.00	7.80	9.70	23.50	3.70	2.80	2.60	2.80	5.30
26	4.70	---	6.70	9.80	8.10	9.30	24.00	3.50	2.80	2.60	2.60	4.00
27	3.90	---	6.00	8.20	7.90	8.90	25.00	3.70	3.00	2.10	3.20	3.50
28	3.40	---	5.60	10.00	8.90	7.80	24.50	3.50	3.00	3.00	2.50	3.30
29	3.00	---	5.40	11.60	---	8.30	18.50	4.50	2.80	2.80	2.40	3.10
30	2.60	---	5.00	11.20	---	8.30	10.50	9.30	2.90	2.50	2.30	3.10
31	2.50	---	5.30	9.00	---	7.70	---	13.00	---	2.40	2.20	---
MEAN	3.17	---	---	8.18	---	14.46	10.49	6.25	5.17	2.50	4.54	2.39
MAX	6.80	---	---	12.70	---	23.80	25.00	13.00	13.90	3.00	11.80	5.30
MIN	1.90	---	---	4.60	---	7.70	4.20	3.50	2.80	2.10	2.20	1.70

02477500 CHICKASAHAY RIVER NEAR WAYNESBORO, MS

LOCATION.--Lat 31°40'46", long 88°41'00", in NW1/4 sec.10, T.8 N., R.7 W., St. Stephens Meridian, Wayne County, Hydrologic Unit 03170002, on right bank 18 ft downstream from bridge on U.S. Highway 84, 2.3 mi west of Waynesboro, and at mile 93.2.

DRAINAGE AREA.--1,650 mi².

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

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

REMARKS.--Records furnished by National Weather Service. National Weather Service telemeter at station.

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

EXTREMES FOR PERIOD OF RECORD.--1938-1950: Maximum discharge, 26,000 ft³/s, Jan. 24, 1947, gage height, 39.00 ft; minimum gage height observed, 2.07 ft, Sept. 22, 1955.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height observed, 25.64 ft, Apr. 28, minimum observed, 2.07 ft, Sept.22.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY OBSERVATION AT 06:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.76	3.40	7.95	6.96	9.14	16.68	9.47	10.99	14.80	4.02	3.54	3.33
2	2.64	3.34	7.60	7.40	8.59	18.30	9.15	10.86	15.11	4.03	3.61	3.26
3	2.64	3.29	7.00	7.06	8.34	18.04	8.02	9.48	12.23	3.95	3.80	3.22
4	2.64	3.25	16.12	6.69	8.04	16.00	7.78	8.75	12.40	3.79	4.19	3.14
5	2.64	3.24	18.12	6.44	7.80	13.72	7.56	9.18	12.53	3.75	9.82	3.10
6	2.64	4.32	18.12	6.32	7.38	13.30	7.13	9.99	10.18	3.76	12.94	3.08
7	2.64	4.36	17.84	7.06	6.96	17.44	6.80	9.68	8.91	3.76	12.95	3.06
8	2.62	4.56	13.51	6.87	6.75	23.66	6.66	9.54	8.12	3.78	11.90	2.36
9	2.56	4.27	11.83	7.60	6.60	25.54	6.52	8.91	6.83	3.78	8.60	2.19
10	2.61	4.00	9.94	7.48	6.52	24.80	6.32	8.32	5.94	3.78	6.36	2.19
11	4.04	4.00	10.66	6.80	6.48	23.95	6.10	7.90	5.45	3.74	5.94	2.19
12	4.32	4.11	12.36	6.43	9.67	23.55	8.20	7.42	5.16	3.64	8.79	2.19
13	4.43	4.28	12.47	6.31	9.42	21.52	9.98	7.08	5.12	3.55	6.84	2.19
14	4.32	4.38	10.38	13.28	9.56	15.76	11.00	6.80	5.10	3.48	5.39	2.35
15	4.43	4.32	9.55	14.61	9.07	13.21	8.70	6.50	5.06	3.40	4.83	2.31
16	4.26	4.22	9.54	13.78	8.71	16.91	7.31	6.25	4.91	3.72	4.64	2.27
17	4.04	4.22	10.11	11.76	8.68	18.84	6.72	5.82	4.77	3.38	4.42	2.23
18	3.95	4.04	11.28	9.42	11.70	19.51	6.36	5.72	4.59	3.22	4.23	2.21
19	3.84	4.04	10.94	9.19	16.46	20.09	6.06	5.60	4.52	3.20	4.10	2.20
20	3.76	4.00	10.47	10.61	17.33	19.28	5.69	5.54	4.35	3.18	3.92	2.10
21	3.67	4.00	9.88	12.71	17.12	15.84	6.07	8.83	4.29	3.18	3.78	2.08
22	3.60	4.00	9.50	13.84	13.60	13.00	17.02	7.53	4.22	3.40	3.82	2.07
23	4.16	3.99	9.57	13.38	10.94	12.18	20.29	6.16	4.19	3.56	3.82	2.94
24	7.34	3.98	9.62	11.99	9.33	11.78	23.56	5.46	4.14	3.52	3.80	4.87
25	7.40	3.95	9.04	11.68	9.42	11.45	24.54	5.15	4.08	3.61	3.80	5.63
26	5.92	---	8.12	11.26	9.61	10.99	24.56	4.88	4.04	3.63	3.79	4.41
27	4.82	3.92	7.55	9.89	9.40	10.72	25.19	4.78	4.04	3.54	3.70	3.83
28	4.24	4.05	7.18	12.68	9.28	9.94	25.64	4.77	4.04	3.72	4.08	3.67
29	3.82	5.05	6.97	13.82	---	9.38	23.86	5.78	4.03	3.84	3.52	3.64
30	3.58	---	6.38	12.88	---	9.96	15.20	9.60	4.02	3.78	3.40	3.61
31	3.45	---	6.38	10.74	---	9.90	---	14.2	---	3.69	3.36	---
MEAN	3.86	---	10.52	9.90	9.71	16.30	11.92	7.66	6.57	3.63	5.54	2.93
MAX	7.40	---	18.12	14.61	17.33	25.54	25.64	14.20	15.11	4.03	12.95	5.63
MIN	2.56	---	6.38	6.31	6.48	9.38	5.69	4.77	4.02	3.18	3.36	2.07

PASCAGOULA RIVER BASIN

02477990 BUCKATUNNA CREEK NEAR DENHAM, MS

LOCATION.--Lat 31°41'38", long 88°31'10", in NE1/4 sec.6, T.8 N., R.5 W., St. Stephens Meridian, Wayne County, Hydrologic Unit 03170002, on right bank on downstream side of bridge on county road, 3.5 mi north of Denham, and 8.0 mi east of Waynesboro.

DRAINAGE AREA.--492 mi².

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

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

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Mar. 8	1730	*4,410	*19.84	No other peaks greater than base discharge.			

1 DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	58	305	238	660	2650	371	462	1110	44	44	32
2	25	52	239	246	546	2000	339	384	1070	69	35	31
3	30	49	266	239	475	1420	309	338	793	63	51	31
4	27	48	2750	222	422	1190	284	298	634	52	1430	29
5	23	48	2470	207	380	943	265	281	419	46	1280	29
6	20	314	1580	406	339	1050	250	272	285	41	940	29
7	18	127	1280	1060	313	2010	239	273	214	38	737	29
8	18	81	993	480	289	4210	232	255	172	36	456	29
9	23	90	618	361	271	3850	226	257	148	41	275	28
10	78	143	496	313	279	3170	206	220	129	47	189	28
11	102	131	782	270	423	2620	354	268	114	43	145	28
12	96	112	784	242	1310	2280	685	254	101	36	118	28
13	113	105	730	658	813	1840	728	222	93	32	99	27
14	118	113	559	2280	599	1030	629	190	85	32	85	28
15	108	109	435	1540	487	1230	421	166	82	31	74	28
16	102	96	377	1200	425	1920	300	152	77	30	66	28
17	94	87	417	871	433	1780	239	138	73	29	61	27
18	79	84	533	605	1350	1860	207	125	67	29	54	27
19	69	77	519	832	1410	1970	186	117	62	28	49	27
20	63	73	429	896	1390	2040	169	107	59	28	44	27
21	58	69	354	774	1270	1710	589	99	56	32	44	27
22	61	67	407	613	1060	936	1600	158	53	38	42	27
23	76	65	487	672	796	730	2600	157	52	30	44	48
24	182	63	415	738	600	627	3340	125	51	27	38	47
25	166	62	424	657	499	558	3220	107	51	28	39	29
26	141	63	370	596	436	493	3090	95	52	27	35	32
27	108	64	311	768	390	449	2800	86	47	27	34	30
28	88	117	273	2350	738	428	2340	82	43	27	33	28
29	75	236	253	1800	---	404	1060	176	46	27	32	27
30	67	296	242	1310	---	417	590	506	46	29	32	27
31	62	---	234	933	---	398	---	903	---	41	32	---
TOTAL	2315	3099	20332	24377	18403	48213	27868	7273	6284	1128	6637	892
MEAN	74.7	103	656	786	657	1555	929	235	209	36.4	214	29.7
MAX	182	314	2750	2350	1410	4210	3340	903	1110	69	1430	48
MIN	18	48	234	207	271	398	169	82	43	27	32	27
CFSM	.15	.21	1.33	1.60	1.34	3.16	1.89	.48	.43	.07	.44	.06
IN.	.18	.23	1.54	1.84	1.39	3.65	2.11	.55	.48	.09	.50	.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 1995, BY WATER YEAR (WY)

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
MEAN	171	438	814	1449	1514	1640	1519	751	376	287	170	211													
MAX	945	1852	1901	3239	4046	3445	4431	3155	1465	1717	660	1315													
(WY)	1976	1980	1987	1990	1990	1983	1980	1991	1991	1989	1975	1979													
MIN	16.8	23.7	118	172	534	475	164	89.2	26.9	36.4	27.3	15.1													
(WY)	1979	1979	1988	1981	1989	1986	1986	1988	1988	1995	1981	1972													

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1972 - 1995
ANNUAL TOTAL	235411	166821	
ANNUAL MEAN	645	457	778
HIGHEST ANNUAL MEAN			1388
LOWEST ANNUAL MEAN			287
HIGHEST DAILY MEAN	5590	Feb 10	11700
LOWEST DAILY MEAN	18	Oct 7	8.4
ANNUAL SEVEN-DAY MINIMUM	23	Oct 3	9.9
INSTANTANEOUS PEAK FLOW		4410	12200
INSTANTANEOUS PEAK STAGE		19.84	34.90
INSTANTANEOUS LOW FLOW		17	7.8
ANNUAL RUNOFF (CFSM)	1.31	.93	1.58
ANNUAL RUNOFF (INCHES)	17.80	12.61	21.48
10 PERCENT EXCEEDS	1870	1290	2140
50 PERCENT EXCEEDS	275	186	326
90 PERCENT EXCEEDS	46	29	43

02478500 CHICKASAWHAY RIVER AT LEAKESVILLE, MS

LOCATION.--Lat 31°08'54", long 88°33'52", in 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 bridge on State Highway 63, 0.5 mi southeast of Leaksville, 1.8 mi upstream from Faulk Ditch, and 29.1 mi upstream from confluence with Leaf River.

DRAINAGE AREA.--2,690 mi².

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

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

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

REMARKS.--Estimated daily discharges: Aug. 13-17. Records fair except for estimated daily discharges, which are poor. National Weather Service telemeter at station.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Mar. 11	0400	*18,900	*24.58	Apr. 29	1100	16,800	23.39

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	526	810	1930	1590	5300	4090	4180	9730	5790	714	564	506
2	513	754	2080	1630	3970	8010	3500	4960	6810	901	536	597
3	506	715	2040	1780	3340	10200	3020	3990	6660	890	509	462
4	500	684	6940	1780	3020	9650	2730	3400	5220	833	619	424
5	499	665	11700	1650	2760	8280	2550	2930	4780	731	1770	417
6	497	710	11700	1500	2520	6560	2410	2960	4320	678	4230	405
7	493	1080	10100	1840	2300	6280	2210	3070	3220	649	4720	386
8	490	1440	8570	3110	2090	13600	2030	2890	2560	651	4670	370
9	488	1310	6400	2680	1960	17300	1930	2860	2080	656	3830	361
10	501	1160	4600	2210	1880	18600	1840	3080	1610	654	1460	352
11	567	1080	3740	2090	2430	18900	2000	2650	1340	644	1870	343
12	748	1090	3920	1800	4590	18200	3330	2270	1230	640	1760	341
13	927	1080	4400	1910	4820	16900	4040	2520	1180	611	e1260	335
14	1010	1040	4570	4680	4450	15200	4160	2590	1120	583	e1170	345
15	1020	1010	3860	7190	3900	11100	4180	1870	1070	550	e1080	387
16	1010	961	3140	7390	3340	10300	3150	1540	1020	527	e990	419
17	987	937	3050	6630	3320	11200	2370	1330	967	511	e900	407
18	933	949	3200	5370	5200	11800	2000	1200	898	539	817	390
19	880	937	3550	4210	6160	12100	1780	1130	849	516	755	373
20	829	917	3660	4110	8160	12300	1630	1050	806	500	703	363
21	785	910	3500	4410	9040	11700	2770	1090	772	488	664	357
22	751	895	3170	4700	8770	9570	4470	1740	746	495	635	352
23	765	887	2900	5280	6790	6840	8290	1520	727	516	615	346
24	798	873	2880	5530	4850	5660	13200	1200	721	550	608	348
25	1140	864	2900	5260	3750	5130	15100	1010	723	535	591	517
26	1610	864	2720	4760	3400	4730	16000	957	767	527	580	887
27	1580	864	2380	4530	3370	4400	16400	882	752	526	572	917
28	1350	873	2050	7460	3250	4150	16600	802	728	517	558	768
29	1140	929	1870	10100	---	3800	16700	790	720	503	543	685
30	984	1320	1780	9110	---	4060	15800	1110	705	536	548	638
31	881	---	1690	7200	---	4520	---	3160	---	549	531	---
TOTAL	25708	28608	130990	133490	118730	305130	180370	72281	60891	18720	40658	13798
MEAN	829	954	4225	4306	4240	9843	6012	2332	2030	604	1312	460
MAX	1610	1440	11700	10100	9040	18900	16700	9730	6810	901	4720	917
MIN	488	665	1690	1500	1880	3800	1630	790	705	488	509	335
CFSM	.31	.35	1.57	1.60	1.58	3.66	2.24	.87	.75	.22	.49	.17
IN.	.36	.40	1.81	1.85	1.64	4.22	2.49	1.00	.84	.26	.56	.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1995, BY WATER YEAR (WY)

	MEAN	977	1840	3982	5820	7409	8529	7921	4357	2019	1967	1371	1224
MAX	4144	8146	18990	16150	23450	19890	26650	18310	6774	14390	6439	6115	
(WY)	1976	1949	1962	1974	1990	1961	1980	1991	1991	1991	1946	1979	
MIN	181	240	515	762	1536	1783	1165	556	516	472	337	235	
(WY)	1964	1964	1955	1956	1957	1955	1963	1963	1988	1952	1954	1954	

SUMMARY STATISTICS FOR 1994 CALENDAR YEAR FOR 1995 WATER YEAR WATER YEARS 1938 - 1995

	ANNUAL TOTAL	1508227	1129374	3933	7710	1949
ANNUAL MEAN	4132	3094	1397	1963		
HIGHEST ANNUAL MEAN						
LOWEST ANNUAL MEAN						
HIGHEST DAILY MEAN	22500	Feb 13	18900	Mar 11	72600	Feb 28 1961
LOWEST DAILY MEAN	488	Oct 9	335	Sep 13	162	Oct 30 1963
ANNUAL SEVEN-DAY MINIMUM	495	Oct 4	350	Sep 8	166	Oct 25 1963
INSTANTANEOUS PEAK FLOW			18900	Mar 11	73600	Feb 28 1961
INSTANTANEOUS PEAK STAGE			24.58	Mar 11	33.52	Feb 28 1961
INSTANTANEOUS LOW FLOW			328a	Sep 19	160	Oct 30 1963
ANNUAL RUNOFF (CFSM)	1.54		1.15		1.46	
ANNUAL RUNOFF (INCHES)	20.86		15.62		19.86	
10 PERCENT EXCEEDS	12100		8070		10600	
50 PERCENT EXCEEDS	1960		1610		1870	
90 PERCENT EXCEEDS	629		510		485	

e Estimated

a Minimum observed, but may have been lower during period of sluggish intakes Sept. 13,14.

PASCAGOULA RIVER BASIN

02479000 PASCAGOULA RIVER AT MERRILL, MS

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

DRAINAGE AREA.--6,590 mi².

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

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

REMARKS.--Estimated daily discharges: July 22-23. Records good except for estimated daily discharges, which are poor. Records of chemical analysis for the current year at site 13.8 mi downstream (station 02479020). Satellite telemeter and National Weather Service telemeter at station.

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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1580	2020	4540	4100	18100	11500	12800	33600	14600	2170	1700	1330
2	1600	1960	4750	4220	13100	15700	10100	18600	15000	2960	1810	1310
3	1630	1920	4970	4590	10300	20200	8290	10200	14300	3140	1750	1440
4	1590	1880	19700	4570	8770	20900	7190	8140	13200	2770	1970	1260
5	1580	1860	28500	4210	7590	19300	6580	7240	10900	2360	2960	1260
6	1590	2650	28600	3940	6730	17400	6190	6570	9720	2110	5360	1230
7	1570	5480	24000	5240	6120	17200	5840	6500	7730	1980	6230	1190
8	1530	4910	19300	8300	5610	27700	5500	6340	5840	1930	6620	1150
9	1590	3760	15400	8180	5200	37400	5220	6840	4850	1900	6660	1120
10	2810	3200	11400	6280	4930	43200	4980	12400	4150	1870	5990	1100
11	5020	3060	9250	5570	9830	46600	5300	11300	3620	1850	4910	1080
12	4210	3340	9410	5120	18700	47600	9990	8810	3350	1800	3810	1080
13	4110	3500	10100	5700	14600	46000	12400	9760	3110	1750	3520	1100
14	4000	3190	10100	13800	12000	40200	11200	9630	2930	1710	3650	1090
15	3540	2900	9160	16600	9870	34900	9990	7700	2800	1680	3300	1150
16	3130	2700	7490	15600	8420	33100	8440	6120	2670	1650	2780	1310
17	2810	2510	7030	13300	9330	32300	6730	5200	2540	1630	2350	1630
18	2540	2380	8260	11400	16600	32600	5630	4620	2400	1610	2140	1610
19	2350	2280	10100	10500	16000	32800	4930	4370	2290	1660	1980	1600
20	2230	2190	10000	12500	17100	32400	4510	4330	2190	1730	1880	1460
21	2220	2140	9120	12000	18900	30300	6610	3960	2120	1820	1820	1360
22	2280	2080	7700	12200	19200	25700	13200	4020	2060	e1680	2030	1280
23	2480	2010	6720	13600	16400	19400	18200	4390	2010	e1590	1990	1200
24	3170	1950	6570	14800	12600	13700	26800	3990	1970	1570	1800	1170
25	3420	1910	6410	13600	9820	11200	32200	3600	2000	1590	1670	1350
26	3640	1900	5900	11500	8160	9940	36600	3330	2660	1500	1590	1770
27	3340	1910	5370	11000	7410	9090	40600	3170	2350	1590	1540	1940
28	2900	1990	4870	21100	7340	8530	43600	3020	2080	1950	1490	1780
29	2520	2500	4590	29700	---	8310	45600	3490	1980	1910	1440	1610
30	2270	3530	4480	31000	---	10700	43500	5310	2040	1740	1430	1510
31	2130	---	4240	25700	---	12900	---	11400	---	1670	1380	---
TOTAL	81380	79610	318030	359920	318730	768770	458720	237950	149460	58870	89550	40470
MEAN	2625	2654	10260	11610	11380	24800	15290	7676	4982	1899	2889	1349
MAX	5020	5480	28600	31000	19200	47600	45600	33600	15000	3140	6660	1940
MIN	1530	1860	4240	3940	4930	8310	4510	3020	1970	1500	1380	1080
CFSM	.40	.40	1.56	1.76	1.73	3.76	2.32	1.16	.76	.29	.44	.20
IN.	.46	.45	1.80	2.03	1.80	4.34	2.59	1.34	.84	.33	.51	.23

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 1995, BY WATER YEAR (WY)

	MEAN	3013	5175	10340	15350	18840	20340	19330	11080	5297	5400	4132	3690
MAX	12410	21640	45210	40160	58660	47600	70770	49960	18570	34250	11500	15110	
(WY)	1976	1949	1962	1974	1990	1961	1980	1991	1991	1940	1975	1979	
MIN	763	914	1598	2328	4180	4671	3049	1679	1478	1562	1177	885	
(WY)	1964	1964	1955	1956	1957	1955	1963	1963	1988	1968	1954	1954	

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1931 - 1995
ANNUAL TOTAL	3857780	2961460	
ANNUAL MEAN	10570	8114	10120
HIGHEST ANNUAL MEAN			19410
LOWEST ANNUAL MEAN			3718
HIGHEST DAILY MEAN	64600	Feb 2	176000
LOWEST DAILY MEAN	1530	Oct 8	704
ANNUAL SEVEN-DAY MINIMUM	1580	Oct 3	708
INSTANTANEOUS PEAK FLOW			47800
INSTANTANEOUS PEAK STAGE			21.67
INSTANTANEOUS LOW FLOW			1060
ANNUAL RUNOFF (CFSM)	1.60	1.23	1.54
ANNUAL RUNOFF (INCHES)	21.78	16.72	20.86
10 PERCENT EXCEEDS	28600	19200	25000
50 PERCENT EXCEEDS	5300	4510	5200
90 PERCENT EXCEEDS	2000	1590	1610

e Estimated

PASCAGOULA RIVER BASIN

83

02479000 PASCAGOULA RIVER AT MERRILL, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.38	3.89	6.19	5.84	13.81	10.56	11.23	18.89	12.15	4.32	3.79	3.06
2	3.41	3.83	6.35	5.94	11.40	12.70	9.80	13.89	12.35	5.11	3.93	3.03
3	3.44	3.78	6.50	6.23	9.90	14.73	8.73	9.84	11.99	5.28	3.86	3.21
4	3.40	3.74	14.30	6.21	9.02	15.03	8.05	8.64	11.44	4.93	4.09	2.98
5	3.39	3.72	17.59	5.93	8.30	14.34	7.65	8.08	10.23	4.53	5.05	2.97
6	3.40	4.49	17.59	5.71	7.75	13.48	7.39	7.65	9.57	4.26	6.94	2.94
7	3.37	6.90	16.15	6.70	7.34	13.41	7.15	7.60	8.41	4.12	7.50	2.87
8	3.32	6.47	14.32	8.73	6.99	17.27	6.91	7.49	7.20	4.07	7.72	2.82
9	3.39	5.55	12.54	8.66	6.69	19.78	6.71	7.81	6.50	4.03	7.71	2.78
10	4.66	5.07	10.51	7.45	6.49	20.92	6.52	11.04	5.96	4.00	7.25	2.75
11	6.55	4.94	9.30	6.95	9.45	21.49	6.76	10.44	5.53	3.97	6.46	2.72
12	5.93	5.19	9.39	6.63	14.07	21.64	9.70	9.04	5.31	3.91	5.60	2.72
13	5.85	5.33	9.76	7.02	12.17	21.39	11.04	9.59	5.09	3.86	5.35	2.75
14	5.76	5.06	9.78	11.72	10.81	20.35	10.41	9.52	4.94	3.81	5.46	2.73
15	5.36	4.79	9.25	13.14	9.65	19.28	9.72	8.37	4.83	3.78	5.15	2.82
16	5.00	4.59	8.24	12.66	8.81	18.87	8.82	7.34	4.71	3.74	4.68	3.04
17	4.70	4.41	7.95	11.51	9.31	18.65	7.75	6.69	4.59	3.72	4.25	3.45
18	4.44	4.28	8.71	10.49	13.14	18.72	7.00	6.25	4.46	3.69	4.03	3.42
19	4.25	4.18	9.78	10.02	12.84	18.78	6.49	6.06	4.35	3.75	3.86	3.41
20	4.12	4.08	9.75	11.07	13.33	18.67	6.17	6.02	4.26	3.83	3.74	3.23
21	4.11	4.03	9.22	10.82	14.16	18.08	7.58	5.72	4.19	3.93	3.67	3.11
22	4.18	3.96	8.37	10.92	14.30	16.71	11.43	5.77	4.14	---	3.91	3.00
23	4.38	3.88	7.75	11.65	13.04	14.37	13.82	6.07	4.09	---	3.86	2.90
24	5.04	3.82	7.65	12.26	11.14	11.69	17.06	5.75	4.06	3.64	3.64	2.86
25	5.26	3.77	7.54	11.67	9.62	10.38	18.60	5.42	4.10	3.67	3.50	3.09
26	5.46	3.76	7.19	10.53	8.65	9.69	19.62	5.19	4.80	3.56	3.39	3.61
27	5.19	3.77	6.81	10.28	8.19	9.21	20.43	5.04	4.49	3.67	3.34	3.80
28	4.79	3.86	6.44	14.98	8.14	8.88	21.01	4.91	4.22	4.08	3.27	3.62
29	4.42	4.40	6.23	17.92	---	8.75	21.33	5.32	4.12	4.04	3.20	3.42
30	4.17	5.36	6.14	18.29	---	10.12	20.98	6.73	4.19	3.85	3.20	3.29
31	4.02	---	5.95	16.69	---	11.27	---	10.47	---	3.77	3.14	---
MEAN	4.46	4.50	9.46	10.15	10.30	15.46	11.20	7.96	6.21	---	4.66	3.08
MAX	6.55	6.90	17.59	18.29	14.30	21.64	21.33	18.89	12.35	---	7.72	3.80
MIN	3.32	3.72	5.95	5.71	6.49	8.75	6.17	4.91	4.06	---	3.14	2.72

PASCAGOULA RIVER BASIN

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

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

DRAINAGE AREA.--6,680 mi².

PERIOD OF RECORD.--Water years 1958-60, 1962, 1964-65, 1970 to August 1995 (discontinued).

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: December 1975 to September 1981.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (MG/L) (00301)	COLI- FORM, FECAL, (PER- CENT SATUR- ATION) (31625)	STREP- TOCOC- CI, KF AGAR (COLS./ 100 ML) (31673)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
DEC 12...	1245	9530	73	6.6	13.5	24	9.3	89	240	200	4.5	1.0
FEB 02...	1030	13400	57	6.4	11.0	34	9.3	85	300	130	4.2	0.93
MAR 23...	1130	19800	53	6.3	--	27	7.0	--	K28	80	4.6	0.92
MAY 05...	1115	7340	84	6.4	21.0	27	7.1	80	K27	120	5.6	1.1
JUN 29...	1100	2020	120	6.5	29.5	7.9	7.2	95	K58	330	4.7	1.3
DATE		SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)
DEC 12...		7.0	1.9	11	9	8.0	8.7	<0.10	9.6	80	47	<0.010
FEB 02...		5.5	1.1	10	8	5.3	7.0	<0.10	9.6	64	40	0.010
MAR 23...		4.2	1.2	13	11	4.7	5.1	<0.10	8.6	57	37	--
MAY 05...		8.4	1.4	--	--	8.0	7.4	<0.10	10	74	54	0.010
JUN 29...		15	1.6	21	17	12	13	<0.10	10	84	69	<0.010
DATE		NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
DEC 12...		0.100	0.100	0.030	1.9	0.070	0.030	0.020	--	--	--	--
FEB 02...		0.120	0.120	0.030	1.1	0.070	0.010	0.020	310	30	6	570
MAR 23...		--	--	--	--	--	--	--	270	30	<3	560
MAY 05...		0.200	0.200	0.040	1.1	0.080	0.040	0.030	--	--	--	--
JUN 29...		0.130	0.130	<0.015	0.30	0.040	0.030	0.020	50	29	3	600
DATE		LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	SEDI- MENT, DIS- CHARGE, SUS- PENDE- D (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE- D (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
DEC 12...		--	--	--	--	--	--	--	--	1490	38300	99
FEB 02...		17	29	<10	3	<1	<1.0	33	<6	1040	37600	98
MAR 23...		17	28	<10	1	<1	<1.0	36	<6	501	26800	97
MAY 05...		--	--	--	--	--	--	--	--	806	16000	99
JUN 29...		7	58	<10	<1	<1	<1.0	48	<6	1460	7960	100

02479130 BLACK CREEK NEAR BROOKLYN, MS

LOCATION.--Lat 31°03'06", long 89°12'16", in NW 1/4 NE 1/4 sec.16, T.1 N., R.12 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170007, near right bank at downstream side of downstream bridge of dual bridges on U. S. Highway 49, 1.1 mi southwest of Brooklyn, and 4.5 mi upstream from Chaney Creek.

DRAINAGE AREA.--355 mi².

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

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

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

REMARKS.--Estimated daily discharges: May 23 - 25. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 28	0230	3,610	12.96	Mar. 8	0380	*4,420	*14.48

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	109	187	426	378	884	1640	1370	412	1910	156	210	96
2	111	181	319	425	669	1040	909	374	1670	198	187	94
3	114	176	783	381	590	741	653	348	1120	253	168	91
4	119	173	2830	337	534	615	548	336	845	237	186	89
5	117	186	1700	315	481	788	522	333	613	215	414	87
6	113	977	1150	348	439	915	496	326	414	198	266	86
7	109	760	878	725	414	1730	459	315	317	178	208	85
8	108	559	625	693	397	3650	420	310	272	160	181	90
9	280	433	463	591	383	1910	386	2390	238	148	168	89
10	1460	427	451	476	394	1370	359	2820	215	141	163	89
11	1250	445	632	385	1670	1120	1680	1460	199	132	151	87
12	1220	423	586	357	2210	845	2330	2040	196	126	141	84
13	1030	380	523	672	1270	649	1310	2220	200	121	137	83
14	676	350	459	1030	882	822	836	1300	192	117	187	83
15	469	301	375	712	685	2390	637	869	181	118	197	86
16	345	294	352	520	609	2100	476	617	171	130	163	89
17	280	297	552	432	979	2110	416	490	162	136	146	98
18	243	275	541	430	1600	2060	380	421	155	173	132	102
19	225	263	463	1590	1140	1480	356	594	151	389	145	97
20	268	256	394	835	968	1090	344	508	149	427	168	89
21	1240	249	362	569	743	837	1480	411	151	309	188	84
22	717	241	361	453	609	684	1620	343	151	229	165	82
23	592	234	355	926	533	602	2460	e300	147	186	156	80
24	458	227	337	783	517	544	2940	e262	146	164	142	81
25	352	225	317	591	512	492	2120	e240	146	153	130	82
26	283	211	298	494	464	451	1520	227	149	154	120	84
27	233	199	285	1380	433	429	1060	219	149	242	113	82
28	208	238	278	3240	989	433	695	263	140	293	108	80
29	196	340	295	2210	---	772	532	1570	137	201	104	76
30	190	547	336	1660	---	2270	462	902	157	175	100	74
31	189	---	346	1220	---	1950	---	1890	---	193	97	---
TOTAL	13304	10054	18072	25158	21998	38529	29776	25110	10843	6052	5141	2599
MEAN	429	335	583	812	786	1243	993	810	361	195	166	86.6
MAX	1460	977	2830	3240	2210	3650	2940	2820	1910	427	414	102
MIN	108	173	278	315	383	429	344	219	137	117	97	74
CFSM	1.21	.94	1.64	2.29	2.21	3.50	2.80	2.28	1.02	.55	.47	.24
IN.	1.39	1.05	1.89	2.64	2.31	4.04	3.12	2.63	1.14	.63	.54	.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 1995, BY WATER YEAR (WY)

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
MEAN	332	478	799	1108	1121	1085	1108	736	427	391	325	305													
MAX	1142	944	2141	2417	2304	2025	3968	2355	1354	1056	866	896													
(WY)	1986	1987	1972	1993	1990	1980	1983	1991	1990	1979	1987	1974													
MIN	88.8	140	351	248	441	439	235	168	112	130	133	86.6													
(WY)	1983	1982	1981	1981	1989	1982	1986	1988	1985	1985	1986	1995													

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1971 - 1995

ANNUAL TOTAL	207162	206636	682
ANNUAL MEAN	568	566	998
HIGHEST ANNUAL MEAN			402
LOWEST ANNUAL MEAN			1980
HIGHEST DAILY MEAN	5520	3650	32200
LOWEST DAILY MEAN	108	74	66
ANNUAL SEVEN-DAY MINIMUM	113	80	69
INSTANTANEOUS PEAK FLOW		4420	42500
INSTANTANEOUS PEAK STAGE		14.48	29.96a
ANNUAL RUNOFF (CFSM)	1.60	1.59	1.92
ANNUAL RUNOFF (INCHES)	21.71	21.65	26.12
10 PERCENT EXCEEDS	1200	1470	1470
50 PERCENT EXCEEDS	356	355	380
90 PERCENT EXCEEDS	141	109	130

e Estimated

a From floodmark.

PASCAGOULA RIVER BASIN

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

LOCATION.--Lat 30°01'30", long 89°01'00", in NW1/4 NE1/4 sec 29, T.1 N., R.10 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170007, on right bank, 75 ft downstream from bridge on State Highway 29, 1.2 mi east of Janice, and 5.5 mi upstream from mouth.

DRAINAGE AREA.--52.6 mi².

WATER-DISCHARGE RECORDS

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 103.00 ft above sea level.

REMARKS.--Estimated discharges: Sept. 22-30. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 4	0900	*3,240	*20.99	Apr. 23	1900	1,300	14.10
Feb. 11	1500	1,560	15.36				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.2	15	48	51	84	352	225	49	233	200	21	8.3
2	10	14	31	54	72	141	121	42	164	201	16	8.3
3	12	14	607	45	63	97	93	39	88	77	14	8.1
4	11	14	2340	39	59	84	80	41	56	41	35	8.2
5	10	18	339	36	48	110	79	42	42	28	88	8.3
6	9.4	65	165	72	42	109	74	37	33	30	48	8.3
7	8.9	65	126	226	40	331	64	31	27	26	29	8.1
8	8.7	30	104	110	38	920	55	29	23	19	23	8.1
9	33	22	90	70	36	252	50	134	21	17	23	8.0
10	204	44	94	58	42	142	46	333	19	19	22	8.0
11	136	49	128	52	891	114	347	154	17	23	19	7.9
12	95	32	94	49	801	98	401	433	19	18	15	8.0
13	61	25	75	340	207	87	128	414	19	18	14	10
14	36	21	65	432	136	186	81	134	17	19	13	9.7
15	26	19	59	148	114	756	63	81	16	16	12	16
16	21	17	64	95	105	372	53	61	15	14	11	47
17	18	17	124	75	472	227	49	49	14	13	11	32
18	17	16	96	67	518	236	44	39	14	14	11	68
19	16	16	71	204	222	141	40	134	14	16	13	29
20	17	16	60	129	206	108	46	94	14	54	12	18
21	23	16	55	77	134	93	510	51	14	67	12	15
22	35	15	50	60	98	85	378	37	14	36	12	e13
23	65	14	49	199	83	75	956	31	14	22	11	e12
24	63	13	46	145	79	67	535	25	13	16	11	e11
25	32	13	43	84	68	59	165	24	18	14	10	e10
26	21	14	41	65	59	53	111	22	27	13	10	e9.6
27	17	15	40	330	56	54	88	20	19	65	9.4	e9.3
28	15	67	39	858	185	60	79	24	16	36	9.1	e9.1
29	14	91	40	276	---	173	66	87	19	21	8.8	e8.9
30	14	90	42	140	---	446	55	225	44	19	8.6	e8.8
31	15	---	41	101	---	377	---	349	---	23	8.5	---
TOTAL	1112.2	877	5266	4687	4958	6405	5082	3265	1063	1195	560.4	434.0
MEAN	35.9	29.2	170	151	177	207	169	105	35.4	38.5	18.1	14.5
MAX	204	91	2340	858	891	920	956	433	233	201	88	68
MIN	8.2	13	31	36	36	53	40	20	13	13	8.5	7.9
CFSM	.68	.56	3.23	2.87	3.37	3.93	3.22	2.00	.67	.73	.34	.28
IN.	.79	.62	3.72	3.31	3.51	4.53	3.59	2.31	.75	.85	.40	.31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 1995, BY WATER YEAR (WY)

	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	
MEAN	39.7	64.7	123	164	175	178	170	105	47.9	48.3	43.7	49.1																		
MAX	287	236	265	442	417	383	637	558	296	137	131	229																		
(WY)	1986	1980	1972	1993	1990	1980	1983	1991	1989	1991	1975	1979																		
MIN	5.86	8.58	25.8	24.5	42.8	42.3	30.2	15.2	8.78	7.59	7.20	7.23																		
(WY)	1969	1982	1991	1981	1989	1982	1986	1985	1968	1968	1981	1972																		

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1967 - 1995

ANNUAL TOTAL	26935.3	34904.6	100
ANNUAL MEAN	73.8	95.6	175
HIGHEST ANNUAL MEAN			49.3
LOWEST ANNUAL MEAN			1980
HIGHEST DAILY MEAN	2340	Dec 4	8820
LOWEST DAILY MEAN	8.2	Oct 1	4.2
ANNUAL SEVEN-DAY MINIMUM	9.4	Aug 14	4.5
INSTANTANEOUS PEAK FLOW			13000
INSTANTANEOUS PEAK STAGE			29.51
INSTANTANEOUS LOW FLOW			4.5
ANNUAL RUNOFF (CFSM)	1.40	1.82	1.91
ANNUAL RUNOFF (INCHES)	19.05	24.69	25.91
10 PERCENT EXCEEDS	141	223	204
50 PERCENT EXCEEDS	36	42	38
90 PERCENT EXCEEDS	11	11	11

e Estimated

PASCAGOULA RIVER BASIN

87

02479155 CYPRESS CREEK NEAR JANICE, MS--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, SOLVED CENT- SATUR- ATION (00301)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOC- CI, FECAL, KF AGAR (COLS. PER 100 ML) (31673)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
DEC 28...	1130	41	16	5.5	10.0	2.1	10.6	93	K40	K35	0.70	0.42
FEB 02...	0915	70	17	5.0	9.0	4.4	10.4	90	90	97	0.84	0.45
MAY 05...	1240	38	15	5.4	19.5	2.9	7.7	84	K98	140	0.49	0.33
DATE		SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)
DEC 28...		2.1	0.30	2	1	0.60	3.4	<0.10	12	32	21	<0.010
FEB 02...		2.0	0.20	0	0	1.4	3.0	<0.10	10	31	19	<0.010
MAY 05...		1.7	0.30	--	--	0.70	2.8	<0.10	9.1	22	18	<0.010
DATE		NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (MG/L AS AL) (01106)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
DEC 28...		0.100	0.100	<0.015	<0.20	0.020	0.030	0.020	170	25	<3	180
FEB 02...		--	<0.050	<0.015	0.20	0.020	<0.010	<0.010	210	25	5	190
MAY 05...		0.070	0.070	0.020	0.30	0.030	0.030	<0.010	190	21	<3	240
DATE		LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	SEDI- MENT, CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
DEC 28...		<4	33	20	1	<1	<1.0	7	<6	52	5.8	100
FEB 02...		5	46	<10	2	<1	<1.0	6	<6	66	12	98
MAY 05...		<4	29	<10	1	<1	<1.0	5	<6	125	13	--
DATE						RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L) (09511)	RA-226 2 SIGMA WATER, DISS, (PCI/L) (76001)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	URANIUM NATURAL 2 SIGMA WATER, DISS, (UG/L) (75990)			
DEC 28...						0.18	0.030	0.08	<1.0			
MAY 05...						0.49	0.090	0.05	0.0			

02479160 BLACK CREEK NEAR WIGGINS, MS

LOCATION.--Lat 30°51'12", long 88°54'49", in SW1/4 sec.20, T.2 S., R.9 W., St. Stephens Meridian, Stone County, Hydrologic Unit 03170007, on left bank on downstream side of bridge on State Highway 26, 1.7 mi downstream from Flat Branch, 8.6 mi upstream from Sweetwater Creek, and 13.4 mi east of Wiggins.

DRAINAGE AREA.--701 mi².

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

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

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

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

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 5	1130	*7,590	*19.52	Mar. 9	1300	7,320	19.27

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	195	316	925	619	1900	3880	3960	949	3680	497	399	184
2	204	307	671	709	1540	2900	2500	858	3250	1180	392	180
3	215	297	1470	719	1310	1920	1810	794	2410	698	336	178
4	216	287	6430	637	1210	1560	1450	773	1740	575	330	174
5	211	284	7250	572	1080	1460	1320	786	1360	487	555	173
6	205	591	3560	551	965	1810	1260	755	1060	437	785	172
7	197	1760	2040	1250	889	2180	1170	703	791	408	503	169
8	190	1100	1570	1470	844	6170	1060	650	662	363	395	167
9	241	789	1220	1130	804	7060	981	2360	590	324	346	165
10	1110	651	1040	935	802	4170	913	6310	533	299	358	165
11	2430	758	1300	790	3710	2510	1780	5890	490	294	325	165
12	1750	721	1300	688	6640	2040	4950	4150	483	276	296	165
13	1860	636	1100	1440	5080	1670	3550	5860	460	314	269	190
14	1310	565	972	3190	2500	1880	2030	4150	446	267	267	196
15	935	511	859	2160	1880	5490	1480	2330	420	247	306	192
16	695	445	760	1420	1610	6340	1210	1710	393	240	324	245
17	535	422	930	1090	2700	4450	1000	1340	370	250	275	392
18	446	423	1190	927	4500	3840	908	1100	349	314	249	374
19	393	397	996	1840	3420	3180	841	1190	335	507	247	329
20	379	380	838	2780	2690	2370	791	1680	322	705	285	240
21	962	370	740	1570	2150	1930	3070	1180	318	797	296	206
22	1540	360	691	1140	1680	1660	4000	900	320	700	385	192
23	1090	346	680	1390	1430	1470	3920	763	320	445	332	185
24	1030	334	661	2080	1310	1330	5610	680	308	337	303	185
25	767	326	618	1480	1270	1220	4640	606	306	284	267	185
26	572	322	576	1170	1180	1120	2850	558	322	257	242	186
27	456	316	546	1610	1090	1050	2120	520	323	439	223	187
28	384	332	523	5430	1620	1090	1650	504	304	685	210	186
29	346	650	521	6050	---	1400	1280	1730	296	554	203	181
30	328	870	556	3650	---	4120	1070	2920	348	402	198	177
31	321	---	597	2440	---	4930	---	3170	---	375	189	---
TOTAL	21513	15866	43130	52927	57804	88200	65174	57869	23309	13957	10090	6085
MEAN	694	529	1391	1707	2064	2845	2172	1867	777	450	325	203
MAX	2430	1760	7250	6050	6640	7060	5610	6310	3680	1180	785	392
MIN	190	284	521	551	802	1050	791	504	296	240	189	165
CFSM	.99	.75	1.98	2.44	2.94	4.06	3.10	2.66	1.11	.64	.46	.29
IN.	1.14	.84	2.29	2.81	3.07	4.68	3.46	3.07	1.24	.74	.54	.32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 1995, BY WATER YEAR (WY)

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	
MEAN	614	966	1566	2203	2319	2290	2372	1530	860	773	665	673													
MAX	2574	2354	4218	4909	5287	3986	7713	5400	2353	1940	1960	2277													
(WY)	1976	1986	1972	1993	1990	1980	1991	1989	1979	1975	1979	1979													
MIN	154	242	584	450	705	828	525	356	229	281	254	203													
(WY)	1982	1982	1991	1981	1989	1982	1986	1988	1985	1985	1994	1995													

SUMMARY STATISTICS FOR 1994 CALENDAR YEAR FOR 1995 WATER YEAR WATER YEARS 1972 - 1995

	1994 CALENDAR YEAR	1995 WATER YEAR	WATER YEARS 1972 - 1995
ANNUAL TOTAL	384932	455924	
ANNUAL MEAN	1055	1249	1398
HIGHEST ANNUAL MEAN			2307
LOWEST ANNUAL MEAN			767
HIGHEST DAILY MEAN	7250	Dec 5	39800
LOWEST DAILY MEAN	190	Oct 8	101
ANNUAL SEVEN-DAY MINIMUM	205	Oct 2	167
INSTANTANEOUS PEAK FLOW			7590
INSTANTANEOUS PEAK STAGE		19.52	Dec 5
INSTANTANEOUS LOW FLOW		165	Sep 8-13
ANNUAL RUNOFF (CFSM)	1.50	1.78	1.99
ANNUAL RUNOFF (INCHES)	20.43	24.19	27.09
10 PERCENT EXCEEDS	2040	3180	3090
50 PERCENT EXCEEDS	731	740	772
90 PERCENT EXCEEDS	236	216	258

PASCAGOULA RIVER BASIN

89

02479300 RED CREEK AT VESTRY, MS

LOCATION.--Lat 30°44'10", long 88°46'50", in SW1/4 SW1/4 sec.34, T.3 S., R.8 W., St. Stephens Meridian, George County, Hydrologic Unit 03170007, located on downstream side of right main pile cluster of bridge on county highway, 0.5 mi north of Vestry, and 1.1 mi upstream from Little Red Creek.

DRAINAGE AREA.--441 mi².

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

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

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

REMARKS.--Estimated daily discharge: May 5-9, Aug. 27-30, Sept. 16-22. Records good except for estimated daily discharges, which are poor.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 5	1945	5,700	14.62	Mar. 17	0745	5,520	14.52
Jan. 30	0145	4,760	14.10	Apr. 1	0630	4,500	13.94
Feb. 14	0415	4,880	14.16	Apr. 23	1115	5,970	14.77
Feb. 19	1630	4,800	14.11	May 10	2245	*8,380	*16.07
Mar. 10	0215	4,820	14.13				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	159	273	614	444	1610	2250	4420	741	3110	328	334	169
2	189	262	485	455	1100	2970	3880	672	3390	660	294	167
3	223	255	1080	462	915	2160	2360	619	2790	682	256	165
4	210	250	4680	436	814	1440	1440	587	1730	500	245	163
5	192	247	5510	401	736	1090	1120	e575	1100	405	725	164
6	182	262	5100	391	671	1060	1000	e550	734	338	839	184
7	173	533	3090	495	615	1390	912	e540	576	297	464	198
8	168	585	1480	850	579	3840	824	e530	503	271	349	183
9	302	459	955	740	552	4580	758	e1990	453	256	295	170
10	1320	371	781	575	542	4620	704	7130	417	248	427	163
11	1250	361	854	496	1010	3060	1330	7310	389	300	374	159
12	1190	409	920	452	3360	1620	3030	6130	367	301	300	155
13	1410	385	759	902	4530	1180	3770	6000	390	250	393	155
14	951	336	640	2620	4760	1210	3340	5520	360	230	467	164
15	662	306	567	2670	3400	3240	1900	4350	333	244	414	186
16	496	286	521	1480	1680	4840	1090	2310	315	264	315	e180
17	407	271	541	931	1760	5390	861	1400	300	248	257	e186
18	355	260	632	738	3930	4530	763	1040	288	265	224	e185
19	320	250	618	1120	4690	2980	706	858	280	378	205	e260
20	303	243	541	1640	4140	1810	665	1230	269	373	197	e285
21	767	240	490	1490	2700	1370	2240	1120	264	451	191	e237
22	1150	235	465	1040	1740	1130	4480	841	264	502	201	e204
23	953	229	446	969	1260	1010	5680	669	262	594	269	192
24	787	222	429	1270	1030	914	4650	580	255	362	365	186
25	562	219	410	1140	899	828	4060	531	250	278	295	184
26	443	220	394	892	803	756	2810	508	249	240	249	184
27	372	222	384	1030	740	712	1610	478	246	258	e225	182
28	329	231	376	3400	844	701	1130	448	252	350	e217	176
29	304	314	414	4540	---	1010	948	693	268	337	e204	171
30	290	696	477	4600	---	2690	829	1400	293	286	e180	166
31	281	---	456	3190	---	4080	---	2500	---	318	174	---
TOTAL	16700	9432	35109	41859	51410	70461	63310	59850	20697	10814	9944	5523
MEAN	539	314	1133	1350	1836	2273	2110	1931	690	349	321	184
MAX	1410	696	5510	4600	4760	5390	5680	7310	3390	682	839	285
MIN	159	219	376	391	542	701	665	448	246	230	174	155
CFSM	1.22	.71	2.57	3.06	4.16	5.15	4.79	4.38	1.56	.79	.73	.42
IN.	1.41	.80	2.96	3.53	4.34	5.94	5.34	5.05	1.75	.91	.84	.47

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1995, BY WATER YEAR (WY)

MEAN	406	569	971	1297	1519	1427	1296	946	575	560	583	560
MAX	1801	1798	3933	3379	3478	3049	4692	4464	2159	1855	2994	1692
(WY)	1976	1962	1962	1993	1990	1961	1980	1991	1959	1989	1987	1979
MIN	95.9	118	266	266	380	385	204	189	140	160	169	143
(WY)	1964	1964	1982	1981	1989	1967	1963	1963	1985	1968	1981	1972

SUMMARY STATISTICS FOR 1994 CALENDAR YEAR FOR 1995 WATER YEAR WATER YEARS 1958 - 1995

ANNUAL TOTAL	279931	395109	
ANNUAL MEAN	767	1082	887
HIGHEST ANNUAL MEAN			1492
LOWEST ANNUAL MEAN			358
HIGHEST DAILY MEAN	5670	7310	25100
LOWEST DAILY MEAN	159	155	89
ANNUAL SEVEN-DAY MINIMUM	176	164	90
INSTANTANEOUS PEAK FLOW		8380	28000
INSTANTANEOUS PEAK STAGE		16.07	21.48
INSTANTANEOUS LOW FLOW		152	88
ANNUAL RUNOFF (CFSM)	1.74	2.45	2.01
ANNUAL RUNOFF (INCHES)	23.61	33.33	27.33
10 PERCENT EXCEEDS	1740	3210	1960
50 PERCENT EXCEEDS	463	530	480
90 PERCENT EXCEEDS	209	200	184

e Estimated

PASCAGOULA RIVER BASIN

02479310 PASCAGOULA RIVER AT GRAHAM FERRY, MS

LOCATION.--Lat 30°36'38", long 88°38'28", in sec.13, T.5 S., R.7 W., St. Stephens Meridian, Jackson County, Hydrologic Unit 03170006, County Code 059, at State Highway 614 bridge at Graham Ferry Mississippi, about 5 mi west southwest of Wade, Mississippi and about 34.4 mi upstream of the Gulf of Mexico.

DRAINAGE AREA.--8,204 mi².

PERIOD OF RECORD.--October 1993 to current year. Discharge measurements were made in 1958-59, 1961, 1971-72, 1979, and 1987 by USGS.

GAGE.--Water-stage recorder and Acoustic Velocity meter. Datum of gage is 0.0 ft above sea level. Levels by Global Positioning System.

REMARKS.--Estimated daily discharges: Nov. 15-16, 18, 26, Mar. 19 - Apr. 7, 9-11, 20-21, Jul. 15, 21-24. Records good above 7.0 ft and fair below 7.0 ft except for estimated daily discharges, which are poor. Satellite telemeter at station.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1950	2900	5260	5870	39900	11600	e20900	44500	14800	3320	3120	1860
2	2120	2740	6100	5680	33800	14800	e22600	40600	20400	4140	3020	1820
3	2430	2630	6350	5810	26000	19000	e20300	34200	22900	6380	2920	1770
4	2300	2550	12200	6070	19900	23000	e15100	23700	22700	6320	2990	1840
5	2160	2480	21100	6000	15200	25300	e11900	16300	21100	5040	4100	1730
6	2080	2690	31000	5540	12200	25000	e10200	12100	17900	4160	5500	1680
7	2030	3790	37500	5490	10200	23900	e9370	9770	14700	3520	6970	1660
8	2010	6540	38000	7300	8690	25700	9170	8830	11800	3220	7340	1670
9	2050	6700	32600	10000	7850	30500	e8190	11100	8500	3050	7510	1650
10	2750	5510	26400	10500	7340	38100	e7670	21900	6850	2980	8560	1600
11	4740	4570	20700	9160	7610	45800	e7250	33400	5820	2970	7560	1540
12	7100	4320	16000	7650	13500	49400	10900	33200	5100	2860	6290	1440
13	7290	4560	13800	7360	21100	49200	14400	31100	4680	2810	5370	1550
14	7320	4600	13200	10400	24800	48000	17900	29700	4380	2680	4950	1630
15	6870	e4670	12700	15900	25400	47800	19300	26700	4160	e2380	4700	1660
16	5650	e4250	11800	20200	22900	46500	17900	22600	3850	2540	4310	1690
17	4680	3580	10400	21600	19300	46100	14800	18000	3740	2590	3780	1940
18	4030	e3600	9670	19800	18400	46200	11600	13800	3610	2480	3250	2360
19	3550	3190	10400	17400	22100	e43100	9170	10400	3420	2530	2960	2520
20	3250	3050	11800	15800	26000	e41100	e7610	7630	3230	2930	2680	2480
21	3270	3010	12100	16600	27600	e39200	e6770	7390	3120	e2900	2640	2180
22	4090	2920	11400	17200	27600	e37800	13300	6950	3020	e3160	2600	1970
23	4780	2820	10000	17100	26700	e35100	19200	6460	3010	e3200	2810	1780
24	4860	2660	9090	17400	24200	e29900	27100	6190	2920	e3360	2790	1690
25	5070	2670	8170	18500	20400	e22900	32800	5680	2880	2760	2660	1660
26	4850	e2640	7890	18600	16200	e16700	36700	5110	2990	2600	2440	1800
27	4770	2540	7420	17300	13100	e13900	40900	4660	3490	2490	2270	2190
28	4270	2590	6810	18100	11400	e12400	43100	4500	3340	2700	2160	2350
29	3800	2880	6350	23000	---	e11500	43700	4530	3290	3150	2020	2220
30	3320	4010	6230	30800	---	e11600	44200	5870	3210	3270	1980	2080
31	3060	---	6130	38100	---	e16000	---	9280	---	3210	1930	---
TOTAL	122500	107660	438570	446230	549390	947100	574000	516150	234910	101700	124180	56010
MEAN	3952	3589	14150	14390	19620	30550	19130	16650	7830	3281	4006	1867
MAX	7320	6700	38000	38100	39900	49400	44200	44500	22900	6380	8560	2520
MIN	1950	2480	5260	5490	7340	11500	6770	4500	2880	2380	1930	1440
CFSM	.48	.44	1.72	1.75	2.39	3.72	2.33	2.03	.95	.40	.49	.23
IN.	.56	.49	1.99	2.02	2.49	4.29	2.60	2.34	1.07	.46	.56	.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1995, BY WATER YEAR (WY)

	1994	1995	1994	1995	1994	1995	1994	1995	1994	1995	1994	1995
MEAN	3184	9691	13400	14300	29990	27500	22290	12310	7096	8222	3804	2357
MAX	3952	15790	14150	14390	40350	30550	25440	16650	7830	13160	4006	2847
(WY)	1995	1994	1995	1995	1994	1995	1994	1995	1995	1994	1995	1994
MIN	2417	3589	12660	14200	19620	24460	19130	7965	6362	3281	3602	1867
(WY)	1994	1995	1994	1994	1995	1994	1995	1994	1994	1995	1994	1995

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1994 - 1995

ANNUAL TOTAL	4802950	4218400	
ANNUAL MEAN	13160	11560	12730
HIGHEST ANNUAL MEAN			13910
LOWEST ANNUAL MEAN			11560
HIGHEST DAILY MEAN	63500	Feb 4	63500
LOWEST DAILY MEAN	1950	Oct 1	1440
ANNUAL SEVEN-DAY MINIMUM	2150	Oct 3	1580
INSTANTANEOUS PEAK FLOW			50200
INSTANTANEOUS PEAK STAGE			15.48
INSTANTANEOUS LOW FLOW			1530
ANNUAL RUNOFF (CFSM)	1.60	1.41	1.55
ANNUAL RUNOFF (INCHES)	21.78	19.13	21.08
10 PERCENT EXCEEDS	35100	29800	32500
50 PERCENT EXCEEDS	7590	6460	7610
90 PERCENT EXCEEDS	2690	2210	2480

e Estimated

PASCAGOULA RIVER BASIN

91

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

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

DRAINAGE AREA.--562 mi².

WATER-DISCHARGE RECORDS

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

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

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

REMARKS.--Estimated daily discharges: Nov. 9 - Dec. 15. Records good except for periods of estimated record, which are poor.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1929 reached an elevation of approximately 72 ft, National Geodetic Vertical Datum of 1929, as determined from historical data. Peak discharge of this flood is unknown but in probability has not been exceeded since 1929.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	189	1550	e340	558	2060	967	768	470	333	610	409	499
2	185	1190	e320	537	1720	1450	696	729	298	470	606	360
3	182	937	e310	530	1480	1360	638	762	334	403	689	345
4	180	702	e500	529	1220	1290	598	1930	444	332	529	308
5	177	535	e900	538	1880	1240	539	2370	365	279	771	243
6	173	597	e1100	539	3590	1150	505	1510	486	368	975	208
7	170	989	e900	532	4150	1050	755	1040	799	1330	604	190
8	170	1030	e700	562	3830	936	1050	811	682	1780	457	282
9	170	e800	e550	580	3570	975	1030	694	557	2600	372	341
10	169	e700	e500	548	2620	3480	904	725	555	2500	322	353
11	169	e600	e450	589	2140	4280	813	615	663	2750	289	390
12	168	e550	e420	920	1690	3030	738	529	893	3290	263	323
13	169	e500	e480	964	1360	1950	1900	455	1250	3280	255	275
14	191	e450	e1600	884	1130	1560	2050	401	897	4580	251	218
15	201	e550	e2200	780	959	1310	1770	365	569	4670	240	192
16	217	e1000	1640	696	844	1110	2750	381	419	3740	233	212
17	231	e1700	1270	762	761	888	3850	396	432	2810	229	207
18	231	e1400	1150	2330	698	713	3660	383	451	2280	216	202
19	222	e900	1110	2820	651	626	2700	335	398	2350	202	195
20	213	e700	1180	2060	619	575	2000	298	409	1550	196	178
21	213	e600	1540	1540	598	544	2730	283	355	1420	230	169
22	214	e550	1250	1320	583	515	3520	268	408	1290	232	165
23	210	e500	1520	1140	578	484	2690	250	415	1200	230	184
24	211	e480	1610	988	616	475	1680	237	617	1140	213	204
25	213	e450	1370	862	837	1170	1200	225	1250	869	197	193
26	209	e430	1160	710	962	2610	891	218	1300	674	183	174
27	201	e400	1010	629	916	1830	713	230	824	677	173	158
28	188	e380	900	2600	820	1240	608	494	608	751	171	150
29	237	e370	800	3490	---	1070	533	404	578	697	170	143
30	1500	e350	700	3020	---	978	477	341	660	559	165	138
31	2250	---	619	2470	---	867	---	404	---	458	161	---
TOTAL	9423	21890	30099	37027	42882	41723	44756	18553	18249	51707	10233	7199
MEAN	304	730	971	1194	1531	1346	1492	598	608	1668	330	240
MAX	2250	1700	2200	3490	4150	4280	3850	2370	1300	4670	975	499
MIN	168	350	310	529	578	475	477	218	298	279	161	138
CFSM	.54	1.30	1.73	2.13	2.73	2.39	2.65	1.06	1.08	2.97	.59	.43
IN.	.62	1.45	1.99	2.45	2.84	2.76	2.96	1.23	1.21	3.42	.68	.48

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 1994, BY WATER YEAR (WY)

	MEAN	482	946	1225	1811	2114	2050	1888	1495	783	655	590	769
MAX	2182	2587	2597	3418	4280	4383	6686	6818	2572	1668	2675	2386	
(WY)	1976	1980	1983	1990	1990	1979	1983	1991	1978	1994	1975	1974	
MIN	126	152	364	365	412	742	544	210	169	245	210	185	
(WY)	1982	1982	1982	1981	1989	1982	1985	1988	1988	1986	1981	1990	

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1974 - 1994

ANNUAL TOTAL	473278	333741		
ANNUAL MEAN	1297	914	1229	
HIGHEST ANNUAL MEAN			1922	1980
LOWEST ANNUAL MEAN			740	1982
HIGHEST DAILY MEAN	11600	Jan 24	4670	Jul 15
LOWEST DAILY MEAN	168	Oct 12	138	Sep 30
ANNUAL SEVEN-DAY MINIMUM	169	Oct 7	166	Sep 24
INSTANTANEOUS PEAK FLOW			4910	Jul 14
INSTANTANEOUS PEAK STAGE			14.51	Jul 14
INSTANTANEOUS LOW FLOW			135	Sep 30
ANNUAL RUNOFF (CFSM)	2.31		1.63	
ANNUAL RUNOFF (INCHES)	31.33		22.09	
10 PERCENT EXCEEDS	2740		2160	2760
50 PERCENT EXCEEDS	881		606	658
90 PERCENT EXCEEDS	247		199	198

e Estimated

02481000 BILOXI RIVER AT WORTHAM, MS

LOCATION.--Lat 30°33'30", long 89°07'20", in SE1/4 SE1/4 sec.31, T.5 S., R.11 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, on downstream side of right main pier of upstream bridge of dual bridges on U.S. Highway 49, 0.8 mi east of Wortham, 1.3 mi downstream from Illinois Central Railroad bridge, 1.1 mi upstream from Saucier Creek, 4.2 mi north of Lyman, and 18.8 mi upstream from mouth.

DRAINAGE AREA.--96.2 mi².

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

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

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

REMARKS.--Estimated daily discharges: Nov. 10-28, Feb. 22-28, Mar. 3-7, 11-14, 19, 20, Apr. 17-20, May 14-23. 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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 3	1715	4,140	15.65	Mar. 30	0100	2,670	11.91
Jan. 28	0215	2,780	12.23	Apr. 11	1730	3,340	13.72
Feb. 17	2030	2,270	10.73	Apr. 21	1415	2,110	10.22
Mar. 8	0145	2,920	12.63	May 9	2030	*13,500	*28.94
Mar. 15	0415	2,590	11.68				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.9	11	110	67	241	783	1010	88	267	22	32	6.7
2	33	9.4	65	69	194	417	490	78	235	36	33	6.3
3	37	9.2	2570	65	171	e250	294	74	132	52	28	5.9
4	33	8.6	2670	59	161	e160	212	74	85	69	206	6.7
5	28	8.8	1220	54	156	e150	183	75	60	44	431	27
6	23	120	435	53	153	e140	156	75	47	29	106	20
7	22	128	250	83	151	e730	128	71	39	21	59	11
8	20	80	179	121	150	2180	105	67	34	17	38	8.0
9	308	49	138	75	150	1110	90	7740	30	15	211	6.5
10	426	e37	124	61	150	455	84	9860	27	13	278	5.8
11	321	e33	135	57	513	e287	1720	2870	24	13	163	5.4
12	623	e29	122	56	1040	e260	1960	1270	24	11	61	5.3
13	343	e26	92	395	534	e220	911	1530	26	11	46	5.4
14	150	e22	79	766	277	e882	335	e1060	26	12	76	6.1
15	87	e19	71	425	210	2200	228	e576	22	13	45	5.6
16	62	e17	66	207	182	1530	178	e355	19	16	28	6.5
17	47	e16	85	142	1150	897	e140	e197	18	19	20	20
18	38	e16	97	119	1700	562	e130	e173	17	20	21	42
19	33	e15	78	406	1040	e350	e110	e139	15	16	44	15
20	34	e14	65	299	622	e260	e100	e119	14	14	23	9.6
21	36	e13	60	162	416	192	1300	e100	14	19	23	7.8
22	50	e13	57	116	e277	162	1610	e86	15	16	19	7.5
23	58	e12	55	376	e244	137	1350	e78	15	15	159	6.5
24	53	e12	54	327	e210	115	1080	70	14	13	53	6.2
25	49	e12	52	188	e197	95	553	62	14	13	30	5.9
26	32	e12	51	135	e185	80	281	57	14	14	20	5.5
27	21	e12	50	869	e173	75	201	52	13	11	14	5.1
28	17	e13	50	2210	e450	75	167	48	13	9.1	11	4.8
29	15	173	58	1350	---	782	134	101	13	8.6	9.3	4.4
30	13	169	73	529	---	1980	106	384	14	12	8.3	4.2
31	12	---	63	320	---	1730	---	500	---	24	7.4	---
TOTAL	3033.9	1109.0	9274	10161	11097	19246	15346	28029	1300	617.7	2303.0	282.7
MEAN	97.9	37.0	299	328	396	621	512	904	43.3	19.9	74.3	9.42
MAX	623	173	2670	2210	1700	2200	1960	9860	267	69	431	42
MIN	9.9	8.6	50	53	150	75	84	48	13	8.6	7.4	4.2
CFSM	1.02	.38	3.11	3.41	4.12	6.45	5.32	9.40	.45	.21	.77	.10
IN.	1.17	.43	3.59	3.93	4.29	7.44	5.93	10.84	.50	.24	.89	.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 1995, BY WATER YEAR (WY)

	MEAN	72.6	118	230	314	358	331	272	194	110	121	142	157
MAX	606	466	625	845	986	920	997	1129	587	592	715	680	
(WY)	1986	1980	1962	1993	1983	1980	1980	1991	1959	1989	1987	1973	
MIN	1.95	4.37	24.1	15.9	60.2	34.1	24.0	7.92	5.00	12.9	7.05	5.35	
(WY)	1964	1982	1959	1981	1989	1955	1963	1956	1985	1957	1954	1954	

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1953 - 1995
ANNUAL TOTAL	55040.3	101799.3	201
ANNUAL MEAN	151	279	364
HIGHEST ANNUAL MEAN			1983
LOWEST ANNUAL MEAN			67.4
HIGHEST DAILY MEAN	2670 Dec 4	9860 May 10	9860 May 10 1995
LOWEST DAILY MEAN	5.6 Aug 29	4.2 Sep 30	1.2 Oct 21 1963
ANNUAL SEVEN-DAY MINIMUM	8.9 Aug 23	5.2 Sep 24	1.3 Oct 20 1963
INSTANTANEOUS PEAK FLOW		13500 May 9	13500 May 9 1995
INSTANTANEOUS PEAK STAGE		28.94 May 9	28.94 May 9 1995
INSTANTANEOUS LOW FLOW		4.0 Sep 30	1.1 Oct 21 1963
ANNUAL RUNOFF (CFSM)	1.57	2.90	2.09
ANNUAL RUNOFF (INCHES)	21.28	39.37	28.36
10 PERCENT EXCEEDS	351	666	465
50 PERCENT EXCEEDS	65	67	68
90 PERCENT EXCEEDS	12	11	8.4

e Estimated

02481510 WOLF RIVER NEAR LONDON, MS

LOCATION.--Lat 30°29'00", long 89°16'28", in 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 11.2 mi northwest of Landon.

DRAINAGE AREA.--308 mi².

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

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

REMARKS.--Estimated daily discharges: Jun. 21, 22, 24 - 28, Sept. 23-26. Records good except for estimated discharges, which are poor.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 27, 1964, reached a stage of 21.06 ft. The flood of 1920 reached a stage about 5 ft higher than that of April 1964, from information by local resident.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 28	0700	5,410	15.72	Apr. 11	1500	9,780	20.68
Feb. 18	0130	5,860	16.29	Apr. 22	0330	8,530	19.37
Mar. 8	0500	5,420	15.73	May 10	0630	*24,500	*28.85
Mar. 29	2300	5,830	16.25	May 13	0130	4,590	14.62

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62	134	476	233	784	2050	2730	458	1050	217	226	79
2	197	128	305	270	627	1640	1620	412	1180	231	235	76
3	156	122	705	249	536	977	1000	372	1120	289	269	74
4	113	120	3170	209	474	698	748	358	778	285	247	93
5	90	121	2490	184	410	634	646	356	484	222	1060	97
6	90	624	1450	175	357	707	582	344	333	157	716	92
7	79	1210	862	477	326	1500	507	313	272	133	331	84
8	73	680	561	633	308	4880	435	290	236	120	251	77
9	1910	352	439	374	296	3020	385	13700	207	107	258	75
10	2410	271	416	284	292	1830	361	18700	188	102	716	73
11	1400	317	608	239	998	1120	5560	6330	176	98	892	69
12	1750	298	513	218	3430	799	6310	3370	196	91	350	66
13	1280	238	374	633	2690	654	2870	3840	182	85	315	84
14	735	212	317	1240	1450	1450	1480	2100	166	85	398	87
15	459	200	281	765	961	3370	905	1290	152	176	237	80
16	340	181	262	488	729	3350	688	884	142	355	173	77
17	268	161	316	368	2500	2580	577	656	135	206	144	78
18	224	149	401	310	4690	1880	709	536	130	133	132	143
19	196	143	327	948	2330	1290	779	1050	125	290	137	131
20	274	137	267	1450	1720	965	536	1500	123	342	151	91
21	401	135	232	824	1280	740	4800	843	e121	250	142	76
22	573	131	216	486	828	619	6810	539	e118	299	203	68
23	469	124	206	797	627	544	4640	418	123	432	191	e64
24	472	117	196	1010	527	480	3570	357	e116	247	172	e61
25	344	112	185	656	457	414	2010	325	e111	127	160	e60
26	244	107	176	475	404	367	1310	299	e107	101	130	e58
27	200	108	168	1480	372	350	884	274	e104	221	113	57
28	167	118	163	5120	641	347	713	291	e116	473	100	55
29	150	516	189	3570	---	2070	608	374	149	255	93	54
30	142	761	211	1890	---	4780	519	669	287	226	86	51
31	138	---	216	1150	---	4150	---	1420	---	267	83	---
TOTAL	15406	8027	16698	27205	31044	50255	55292	62668	8727	6622	8711	2330
MEAN	497	268	539	878	1109	1621	1843	2022	291	214	281	77.7
MAX	2410	1210	3170	5120	4690	4880	6810	18700	1180	475	1060	143
MIN	62	107	163	175	292	347	361	274	104	83	83	51
CFSM	1.61	.87	1.75	2.85	3.60	5.26	5.98	6.56	.94	.69	.91	.25
IN.	1.86	.97	2.02	3.29	3.75	6.07	6.68	7.57	1.05	.80	1.05	.28

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 1995, BY WATER YEAR (WY)

	MEAN	239	403	700	1027	1159	1080	1032	752	335	429	416	457
MAX	1231	957	1511	2475	2489	2424	3008	2641	1082	1513	1778	1676	
(WY)	1986	1990	1984	1993	1990	1980	1991	1989	1997	1989	1975	1973	
MIN	52.1	51.3	144	122	272	334	159	103	58.9	90.5	71.4	71.5	
(WY)	1982	1982	1982	1981	1989	1981	1976	1985	1985	1986	1986	1972	

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1971 - 1995
ANNUAL TOTAL	175174	292985	
ANNUAL MEAN	480	803	665
HIGHEST ANNUAL MEAN			943
LOWEST ANNUAL MEAN			312
HIGHEST DAILY MEAN	4490	Jul 14	18700
LOWEST DAILY MEAN	61	Sep 30	37
ANNUAL SEVEN-DAY MINIMUM	70	Sep 25	40
INSTANTANEOUS PEAK FLOW			24500
INSTANTANEOUS PEAK STAGE			28.85
ANNUAL RUNOFF (CFSM)	1.56		2.16
ANNUAL RUNOFF (INCHES)	21.16		29.32
10 PERCENT EXCEEDS	1210	1880	1540
50 PERCENT EXCEEDS	262	325	292
90 PERCENT EXCEEDS	103	93	84

e Estimated

02481880 PEARL RIVER AT BURNSIDE, MS

LOCATION.--Lat 32°50'27", long 89°05'51", in NE1/4 sec.6, T.11 N., R.12 E., Choctaw Meridian, Neshoba County, Hydrologic Unit 03180001, on right bank at downstream edge of roadway at bridge on State Highway 15, 2.4 mi upstream from Illinois Central and Gulf railroad, 4.8 mi north of Philadelphia and 0.9 mi south of Burnside.

DRAINAGE AREA.--520 mi².

PERIOD OF RECORD.--January 1981 to current year. Daily mean gage heights published since October 1984.

GAGE.--Water-stage recorder. Datum of gage is 376.30 ft above sea level.

REMARKS.--Estimated daily discharges: Feb 5. Records good except for estimated daily discharges, which are fair. Telemeter and satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge observed, 70,600 ft³/s, Apr. 13, 1979, gage height, 23.31 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.8	46	787	1050	779	731	296	794	279	4.9	87	5.7
2	8.9	42	906	1160	780	898	260	605	466	5.3	65	5.3
3	15	36	869	980	727	1180	225	444	566	5.6	46	5.2
4	21	31	950	918	638	1240	204	379	680	9.9	138	4.4
5	36	28	1020	863	e540	1470	187	473	678	16	459	4.6
6	24	37	1830	780	445	2500	168	581	536	37	546	4.3
7	14	74	2800	864	361	5220	147	646	338	84	703	3.9
8	9.7	125	2360	802	302	8570	126	571	154	119	832	3.8
9	21	97	1780	896	256	8760	107	469	77	50	766	3.7
10	167	83	1370	951	255	6310	89	378	50	24	654	3.4
11	353	102	1100	919	723	4100	116	313	36	16	523	3.5
12	535	172	875	834	959	2460	241	251	29	9.5	340	3.9
13	591	186	714	748	1450	1660	328	193	27	6.5	162	4.0
14	605	150	595	761	1870	1260	387	145	26	4.7	89	3.7
15	691	115	522	750	1510	1230	369	106	22	4.1	72	3.5
16	738	96	505	862	1250	1990	324	83	17	4.1	85	4.4
17	684	87	540	1030	1210	4720	279	65	10	4.1	73	5.3
18	558	82	593	1080	1300	5480	237	53	9.1	4.5	50	6.0
19	408	76	632	1440	1510	4190	198	43	8.0	4.6	35	5.6
20	298	71	609	1840	1360	2550	176	38	6.2	4.3	26	5.9
21	243	68	555	2670	1240	1690	961	37	6.6	5.9	19	6.6
22	403	64	525	3010	1180	1290	2170	36	6.3	6.7	18	17
23	473	58	525	2320	1050	1040	5400	33	5.7	6.8	17	55
24	483	57	550	1720	873	848	8690	24	5.3	6.4	15	132
25	462	51	630	1370	718	695	8900	23	7.0	6.2	13	99
26	410	43	641	1150	586	566	6200	22	7.2	6.2	10	41
27	335	54	580	965	487	471	3480	20	6.1	6.2	9.0	23
28	245	319	524	907	567	414	1950	20	4.8	6.6	7.9	16
29	155	502	497	844	---	383	1350	68	4.3	32	6.7	11
30	93	599	593	779	---	368	1040	223	5.3	24	6.5	8.2
31	61	---	680	757	---	336	---	277	---	61	6.2	---
TOTAL	9147.4	3551	27657	36020	24926	74620	44605	7413	4072.9	586.1	5879.3	498.9
MEAN	295	118	892	1162	890	2407	1487	239	136	18.9	190	16.6
MAX	738	599	2800	3010	1870	8760	8900	794	680	119	832	132
MIN	6.8	28	497	748	255	336	89	20	4.3	4.1	6.2	3.4
CFSM	.57	.23	1.72	2.23	1.71	4.63	2.86	.46	.26	.04	.36	.03
IN.	.65	.25	1.98	2.58	1.78	5.34	3.19	.53	.29	.04	.42	.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1995, BY WATER YEAR (WY)

	80.2	447	902	1126	1642	1274	1253	815	254	128	87.2	23.9
MEAN	80.2	447	902	1126	1642	1274	1253	815	254	128	87.2	23.9
MAX	295	1071	3408	3099	3661	3149	3686	4021	927	906	342	123
(WY)	1995	1990	1983	1990	1983	1983	1983	1983	1983	1989	1982	1991
MIN	.94	3.65	7.83	104	154	391	70.4	16.7	2.15	5.17	3.03	1.92
(WY)	1988	1988	1988	1986	1986	1988	1986	1988	1988	1981	1987	1987

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1981 - 1995
ANNUAL TOTAL	284724.3	238976.6	
ANNUAL MEAN	780	655	684
HIGHEST ANNUAL MEAN			1732
LOWEST ANNUAL MEAN			141
HIGHEST DAILY MEAN	10900	8900	34600
LOWEST DAILY MEAN	6.2	3.4	.37
ANNUAL SEVEN-DAY MINIMUM	9.1	3.7	.50
INSTANTANEOUS PEAK FLOW		9510	37800
INSTANTANEOUS PEAK STAGE		15.82	19.77
ANNUAL RUNOFF (CFSM)	1.50	1.26	1.32
ANNUAL RUNOFF (INCHES)	20.37	17.10	17.87
10 PERCENT EXCEEDS	1770	1400	1620
50 PERCENT EXCEEDS	333	256	164
90 PERCENT EXCEEDS	23	6.1	4.4

e Estimated

PEARL RIVER BASIN

95

02481880 PEARL RIVER AT BURNSIDE, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.40	5.54	11.10	11.93	11.09	10.92	8.37	11.22	8.22	4.41	6.07	4.36
2	4.49	5.45	11.47	12.13	11.10	11.43	8.06	10.43	9.62	4.42	5.73	4.34
3	4.71	5.33	11.37	11.83	10.91	12.03	7.75	9.51	10.21	4.43	5.41	4.33
4	4.82	5.23	11.57	11.70	10.54	12.14	7.54	9.02	10.72	4.61	6.54	4.29
5	5.21	5.16	11.74	11.57	---	12.43	7.37	9.68	10.71	4.78	9.45	4.30
6	4.94	5.35	12.71	11.36	9.49	13.16	7.18	10.28	10.04	5.30	9.97	4.29
7	4.66	5.98	13.33	11.58	8.89	14.20	6.95	10.58	8.69	6.06	10.71	4.26
8	4.52	6.69	13.12	11.42	8.42	15.14	6.70	10.24	7.01	6.55	11.18	4.26
9	4.85	6.33	12.77	11.65	8.02	15.19	6.47	9.65	6.04	5.54	10.96	4.25
10	7.01	6.14	12.43	11.77	8.00	14.53	6.22	9.01	5.60	5.01	10.50	4.24
11	8.69	6.40	12.04	11.70	10.78	13.83	6.55	8.51	5.32	4.78	9.84	4.24
12	9.93	7.22	11.60	11.50	11.59	13.16	7.89	7.99	5.18	4.56	8.58	4.26
13	10.23	7.37	11.15	11.27	12.36	12.64	8.63	7.44	5.12	4.44	6.96	4.27
14	10.29	6.98	10.68	11.31	12.81	12.18	9.08	6.92	5.10	4.35	6.09	4.26
15	10.67	6.56	10.30	11.27	12.50	12.12	8.95	6.46	5.00	4.31	5.85	4.25
16	10.90	6.33	10.20	11.57	12.16	12.87	8.60	6.14	4.86	4.32	6.04	4.30
17	10.74	6.20	10.40	11.92	12.08	14.03	8.23	5.87	4.65	4.31	5.85	4.35
18	10.17	6.13	10.67	12.02	12.23	14.29	7.86	5.66	4.60	4.33	5.47	4.38
19	9.23	6.03	10.84	12.48	12.51	13.86	7.49	5.49	4.55	4.33	5.20	4.37
20	8.39	5.96	10.74	12.81	12.34	13.20	7.25	5.37	4.48	4.31	4.98	4.39
21	7.91	5.91	10.49	13.26	12.15	12.67	11.50	5.37	4.50	4.38	4.80	4.42
22	9.20	5.85	10.32	13.41	12.03	12.22	13.15	5.35	4.48	4.42	4.77	4.76
23	9.68	5.75	10.32	13.09	11.78	11.78	14.60	5.28	4.46	4.42	4.77	5.50
24	9.74	5.74	10.45	12.69	11.37	11.30	15.63	5.05	4.43	4.40	4.70	6.68
25	9.61	5.62	10.83	12.35	10.87	10.78	15.54	5.03	4.51	4.39	4.62	6.25
26	9.25	5.48	10.88	11.98	10.31	10.21	14.74	5.01	4.52	4.39	4.54	5.33
27	8.69	5.68	10.61	11.61	9.76	9.66	13.80	4.97	4.47	4.38	4.49	4.95
28	7.92	8.43	10.31	11.47	10.20	9.28	13.04	4.96	4.40	4.40	4.45	4.77
29	7.03	9.86	10.15	11.29	---	9.05	12.46	5.87	4.37	5.06	4.40	4.59
30	6.28	10.37	10.66	11.09	---	8.94	11.88	7.72	4.43	4.92	4.39	4.50
31	5.80	---	11.02	11.02	---	8.69	---	8.21	---	5.65	4.38	---
MEAN	7.74	6.37	11.17	11.87	---	12.19	9.65	7.36	6.01	4.71	6.51	4.59
MAX	10.90	10.37	13.33	13.41	---	15.19	15.63	11.22	10.72	6.55	11.18	6.68
MIN	4.40	5.16	10.15	11.02	---	8.69	6.22	4.96	4.37	4.31	4.38	4.24

LOCATION.--Lat 32°47'55", long 89°20'10", in SW1/4 SW1/4 sec.13, T.11 N., R.9 E., Choctaw Meridian, Leake County. Hydrologic Unit 03180001, on right bank 10 ft downstream from bridge on State Highway 16 at Edinburg, 1,100 ft downstream from Hooper Mill Creek, 1.6 mi upstream from Rice Creek and at mile 387.5.

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

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Mar. 10	1245	9,670	23.14	Apr. 26	0600	*11,700	*23.85
Mar. 20	1100	5,240	20.48				

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	167	917	1250	1380	1480	689	3560	1270	36	46	21
2	34	134	834	1200	1260	1620	622	2440	1460	36	74	19
3	55	116	840	1200	1190	1630	550	1660	1120	36	90	17
4	59	104	1220	1270	1130	1550	485	1280	1020	38	793	16
5	54	102	1230	1280	1060	2010	436	1080	931	46	1250	15
6	52	142	1410	1340	965	2490	396	894	883	157	1040	15
7	57	143	1410	1620	847	3420	364	840	834	163	1100	14
8	51	142	1390	1580	725	4910	330	849	699	143	955	15
9	338	168	1700	1660	617	7380	296	874	489	179	879	16
10	290	261	2060	1490	609	9500	265	804	306	156	877	16
11	256	280	2130	1340	1530	8950	399	684	205	103	817	16
12	578	267	1960	1270	1560	7280	643	558	164	71	719	15
13	662	270	1710	1270	1880	5910	732	450	138	53	580	16
14	663	274	1410	1420	1780	4790	724	364	116	42	435	16
15	672	251	1170	1510	1690	4230	664	291	101	36	285	17
16	679	210	1050	1540	1890	4110	609	240	90	31	183	22
17	700	178	999	1450	2230	3900	539	212	80	35	138	19
18	721	157	919	1370	2230	4070	466	179	71	32	119	17
19	709	143	896	1650	2200	4750	404	153	64	31	98	16
20	646	132	877	1810	2070	5200	478	133	61	28	78	14
21	584	125	858	2370	1950	4940	3180	116	59	27	93	27
22	817	117	894	2500	1870	4250	2890	103	57	27	81	86
23	807	109	899	2560	1720	3380	5220	95	53	32	59	89
24	773	102	843	2820	1590	2470	6870	88	49	30	48	91
25	733	97	819	2820	1470	1870	10300	82	46	27	42	e140
26	666	99	811	2500	1350	1490	11500	75	44	24	36	e100
27	588	110	816	2140	1220	1290	9910	65	43	23	32	e80
28	492	777	817	1950	1310	1120	7700	201	42	24	29	e71
29	394	714	882	1740	---	988	5990	1030	40	33	27	51
30	298	942	1280	1660	---	872	4740	1700	38	34	25	38
31	219	---	1210	1530	---	769	---	1520	---	45	23	---
TOTAL	13680	6833	36261	53110	41323	112619	78391	22620	10573	1778	11051	1105
MEAN	441	228	1170	1713	1476	3633	2613	730	352	57.4	356	36.8
MAX	817	942	2130	2820	2230	9500	11500	3560	1460	179	1250	140
MIN	33	97	811	1200	609	769	265	65	38	23	23	14
CFSM	.49	.25	1.29	1.90	1.63	4.02	2.89	.81	.39	.06	.39	.04
IN.	.56	.28	1.49	2.19	1.70	4.63	3.23	.93	.44	.07	.45	.00

MEAN	186	454	1283	2099	2611	2681	2422	1241	362	404	231	154
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	4.85	9.63	61.3	105	465	528	156	50.1	8.62	24.2	16.0	6.01
(WY)	1988	1954	1963	1956	1934	1954	1963	1965	1988	1960	1954	1954

ANNUAL TOTAL	456590		389344				
ANNUAL MEAN	1251		1067			1170	
HIGHEST ANNUAL MEAN						3368	1983
LOWEST ANNUAL MEAN						236	1963
HIGHEST DAILY MEAN	9980	Jan 31	11500	Apr 26	73500		Apr 14 1979
LOWEST DAILY MEAN	33	Oct 1	14	Sep 7		2.2	Oct 5 1954
ANNUAL SEVEN-DAY MINIMUM	38	Sep 11	15	Sep 4		2.3	Sep 24 1956
INSTANTANEOUS PEAK FLOW			11700	Apr 26	77900		Apr 14 1979
INSTANTANEOUS PEAK STAGE			23.85	Apr 26		30.06	Apr 14 1979
INSTANTANEOUS LOW FLOW			13	Sep 21		1.7	Oct 5 1954
ANNUAL RUNOFF (CFSM)	1.38		1.18			1.29	
ANNUAL RUNOFF (LINCHES)	18.79		16.02			17.59	
10 PERCENT EXCEEDS	3790		2400		3050		
50 PERCENT EXCEEDS	584		617		339		
90 PERCENT EXCEEDS	58		32		26		

e Estimated

02482000 PEARL RIVER AT EDINBURG, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.08	4.11	8.75	10.25	10.37	10.87	7.48	16.99	10.19	2.47	2.61	2.20
2	2.11	3.80	8.37	10.04	9.82	11.51	7.12	14.36	11.00	2.45	3.06	2.14
3	2.53	3.60	8.41	10.02	9.48	11.59	6.75	11.81	9.56	2.46	3.29	2.08
4	2.60	3.48	10.15	10.28	9.22	11.19	6.39	10.48	9.07	2.49	7.32	2.03
5	2.52	3.45	10.21	10.31	8.90	12.99	6.11	9.68	8.65	2.66	10.17	2.01
6	2.49	3.91	10.92	10.53	8.44	14.62	5.87	8.80	8.42	4.11	9.33	2.00
7	2.58	3.92	10.92	11.61	7.87	16.69	5.66	8.54	8.19	4.16	9.58	1.98
8	2.49	3.93	10.86	11.49	7.28	19.27	5.44	8.59	7.52	3.97	8.91	2.01
9	5.16	4.18	11.94	11.79	6.72	21.82	5.22	8.70	6.40	4.31	8.55	2.04
10	4.89	4.93	13.21	11.12	6.67	23.06	5.01	8.37	5.28	4.09	8.54	2.03
11	4.68	5.08	13.48	10.47	11.09	22.80	5.81	7.77	4.54	3.51	8.25	2.03
12	6.62	5.00	12.88	10.17	11.21	21.84	7.24	7.10	4.19	3.07	7.77	2.02
13	7.09	5.03	11.98	10.14	12.58	20.58	7.70	6.51	3.93	2.77	7.04	2.02
14	7.10	5.06	10.95	10.80	12.22	19.09	7.66	5.98	3.69	2.57	6.24	2.02
15	7.16	4.91	10.04	11.17	11.86	18.22	7.35	5.50	3.52	2.42	5.28	2.06
16	7.20	4.60	9.54	11.26	12.60	18.00	7.05	5.15	3.38	2.32	4.50	2.22
17	7.32	4.34	9.31	10.91	13.82	17.65	6.68	4.92	3.24	2.41	4.07	2.13
18	7.43	4.16	8.93	10.54	13.81	17.94	6.28	4.65	3.11	2.34	3.87	2.06
19	7.38	4.03	8.83	11.73	13.72	19.04	5.91	4.41	3.00	2.31	3.61	2.00
20	7.06	3.93	8.73	12.31	13.26	19.72	6.23	4.21	2.95	2.23	3.35	1.94
21	6.74	3.86	8.62	14.25	12.85	19.33	16.22	4.02	2.92	2.19	3.55	2.27
22	7.93	3.78	8.78	14.68	12.54	18.24	15.59	3.86	2.87	2.20	3.38	3.43
23	7.89	3.70	8.78	14.87	12.00	16.64	19.64	3.76	2.80	2.31	3.06	3.47
24	7.74	3.62	8.50	15.49	11.37	14.53	21.47	3.67	2.73	2.26	2.86	3.49
25	7.54	3.57	8.38	15.49	10.78	12.54	23.36	3.59	2.68	2.18	2.73	---
26	7.21	3.60	8.32	14.68	10.18	11.11	23.78	3.49	2.64	2.11	2.61	---
27	6.80	3.75	8.33	13.50	9.60	10.28	23.24	3.34	2.62	2.07	2.51	---
28	6.30	7.97	8.32	12.83	10.00	9.55	22.11	4.35	2.60	2.10	2.43	---
29	5.72	7.74	8.60	12.07	---	8.93	20.66	9.39	2.55	2.32	2.38	2.85
30	5.11	8.86	10.40	11.73	---	8.37	19.01	11.91	2.50	2.35	2.32	2.59
31	4.55	---	10.11	11.11	---	7.88	---	11.24	---	2.58	2.26	---
MEAN	5.55	4.53	9.86	11.86	10.72	15.67	11.13	7.26	4.89	2.70	5.01	---
MAX	7.93	8.86	13.48	15.49	13.82	23.06	23.78	16.99	11.00	4.31	10.17	---
MIN	2.08	3.45	8.32	10.02	6.67	7.88	5.01	3.34	2.50	2.07	2.26	---

02482550 PEARL RIVER NEAR CARTHAGE, MS

LOCATION.--Lat 32°42'25", 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 right bank at downstream side of bridge on State Highway 35, 2.1 mi south of Carthage, 4.0 mi downstream from Lobutch Creek, 10.8 mi upstream from Tuscolameta Creek, and at mile 366.3.

DRAINAGE AREA.--1,346 mi².

PERIOD OF RECORD.--September 1962 to current year. Daily mean gage heights published since October 1971.

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

GAGE.--Water-stage recorder. Datum of gage is 315.24 ft above sea level.

REMARKS.--Estimated daily discharges: Oct. 1-12, Oct. 29 - Nov. 27 due to unusable record and Jun. 13 - Aug. 23 due to bridge construction. Records good except estimated daily discharges, which are poor. Telemeter and National Weather Service satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood in March 1902 reached a stage of about 27 ft, flood in 1900 reached a stage of 25.6 ft, flood in 1932 reached a stage of 24.3 ft, flood of Apr. 11, 1938, reached a stage of 23.3 ft, all from information by U. S. Army Corps of Engineers. Flood of Dec. 20, 1961, reached a stage of 25.4 ft, discharge, 31,900 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e112	e424	1110	1460	1570	1740	1020	6390	3140	e118	e138	93
2	e113	e354	1030	1490	1380	1820	910	4660	3130	e117	e193	89
3	e158	e312	931	1420	1250	1890	817	3140	2250	e117	e128	84
4	e164	e282	1310	1350	1160	1820	726	2030	1680	e121	e1060	81
5	e154	e272	1590	1340	1080	2180	650	1860	1490	e138	e1520	80
6	e156	e340	1640	1400	992	3120	603	1550	1330	e330	e1360	76
7	e168	e338	1670	1800	916	4030	566	1240	1090	e340	e1710	72
8	e154	e336	1600	1760	793	5540	535	1120	920	e316	e1610	70
9	e586	e390	1590	1820	685	6970	518	1080	732	e412	e1490	68
10	e530	e533	1800	1810	644	9150	514	1030	527	e374	e1500	66
11	e481	e560	2050	1620	1840	11000	564	910	395	e276	e1410	65
12	e1010	e549	2120	1430	1880	11100	868	768	368	e216	e1280	64
13	642	e575	1950	1340	1870	9830	963	656	e362	e174	e1100	64
14	681	e584	1690	1360	2000	8050	970	567	e310	e142	e889	64
15	600	e547	1440	1550	1870	7160	895	507	e276	e124	e652	63
16	538	e482	1320	1630	1860	7220	786	462	e250	e108	e468	62
17	515	e430	1460	1660	2430	6640	697	411	e226	e116	e374	65
18	508	e390	1380	1600	2760	6070	627	387	e206	e107	e324	65
19	503	e360	1270	1820	2760	5750	561	370	e190	e104	e272	62
20	482	e336	1200	2040	2700	6040	538	360	e181	e97	e226	61
21	452	e319	1100	2290	2530	6460	4190	352	e175	e94	e252	63
22	709	e302	1090	2620	2300	6290	4810	345	e170	e94	e226	177
23	1080	e286	1230	2780	2050	5390	8210	338	e160	e104	e176	148
24	951	e273	1170	2860	1830	4290	11600	335	e151	e100	136	125
25	805	e260	1100	2980	1630	3210	13800	324	e144	e92	134	105
26	667	e262	1060	2970	1460	2330	15600	317	e138	e86	128	118
27	556	e281	1010	2700	1310	1900	15800	308	e142	e84	120	131
28	475	e56	952	2390	1430	1690	14100	310	e132	e85	112	111
29	e814	1010	927	2140	---	1450	11300	2560	e128	e106	107	88
30	e662	1040	1280	1920	---	1300	8580	4220	e123	e108	102	72
31	e524	---	1420	1770	---	1170	---	4110	---	e132	97	---
TOTAL	15950	13083	42490	59120	46980	152600	122318	43017	20516	4932	19294	2552
MEAN	515	436	1371	1907	1678	4923	4077	1388	684	159	622	85.1
MAX	1080	1040	2120	2980	2760	11100	15800	6390	3140	412	1710	177
MIN	112	260	927	1340	644	1170	514	308	123	84	97	61
CFSM	.38	.32	1.02	1.42	1.25	3.66	3.03	1.03	.51	.12	.46	.06
IN.	.44	.36	1.17	1.63	1.30	4.22	3.38	1.19	.57	.14	.53	.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 1995, BY WATER YEAR (WY)

	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
MEAN	418	794	2245	3623	3841	4357	4362	2331	711	555	435	335																					
MAX	3511	3424	11360	11030	11060	12090	17460	11780	2919	2650	2636	2869																					
(WY)	1976	1978	1983	1974	1983	1980	1979	1983	1983	1989	1975	1979																					
MIN	39.4	66.7	205	405	859	1160	329	151	57.0	125	82.5	60.9																					
(WY)	1964	1964	1988	1986	1986	1967	1963	1963	1988	1966	1981	1987																					

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1963 - 1995
ANNUAL TOTAL	826998	542852	
ANNUAL MEAN	2266	1487	1992
HIGHEST ANNUAL MEAN			5247
LOWEST ANNUAL MEAN			422
HIGHEST DAILY MEAN	17600	Feb 1	15800
LOWEST DAILY MEAN	112	Oct 1	61
ANNUAL SEVEN-DAY MINIMUM	122	Sep 12	63
INSTANTANEOUS PEAK FLOW			16100
INSTANTANEOUS PEAK STAGE			21.76a
INSTANTANEOUS LOW FLOW			59b
ANNUAL RUNOFF (CFSM)	1.68	1.10	1.48
ANNUAL RUNOFF (INCHES)	22.86	15.00	20.11
10 PERCENT EXCEEDS	6960	3120	5120
50 PERCENT EXCEEDS	750	685	699
90 PERCENT EXCEEDS	166	106	106

e Estimated

a Affected by bridge construction downstream.

b May have been lower during periods of no gage height.

PEARL RIVER BASIN

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02482550 PEARL RIVER NEAR CARTHAGE, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	8.70	9.69	9.97	10.41	8.40	16.67	13.04	---	---	3.19
2	---	---	8.43	9.77	9.47	10.59	8.03	14.92	13.05	---	---	3.14
3	---	---	8.11	9.58	9.10	10.75	7.70	12.94	11.49	---	---	3.08
4	---	---	9.25	9.40	8.83	10.60	7.34	11.03	10.24	---	---	3.05
5	---	---	10.03	9.36	8.59	11.35	7.03	10.67	9.76	---	---	3.03
6	---	---	10.14	9.50	8.31	13.03	6.83	9.90	9.34	---	---	2.99
7	---	---	10.24	10.53	8.06	14.31	6.67	9.09	8.64	---	---	2.94
8	---	---	10.06	10.45	7.60	16.09	6.52	8.71	8.07	---	---	2.91
9	---	---	10.01	10.59	7.18	17.46	6.44	8.58	7.37	---	---	2.89
10	---	---	10.54	10.55	7.00	19.18	6.42	8.43	6.48	---	---	2.86
11	---	---	11.11	10.10	10.60	20.23	6.65	8.03	5.77	---	---	2.85
12	---	---	11.24	9.62	10.73	20.31	7.87	7.51	5.59	---	---	2.84
13	7.00	---	10.89	9.36	10.70	19.60	8.22	7.06	---	---	---	2.83
14	7.16	---	10.28	9.43	10.99	18.39	8.24	6.67	---	---	---	2.83
15	6.82	---	9.62	9.91	10.71	17.65	7.98	6.39	---	---	---	2.82
16	6.54	---	9.31	10.13	10.69	17.69	7.58	6.17	---	---	---	2.81
17	6.43	---	9.68	10.21	11.85	17.17	7.23	5.87	---	---	---	2.85
18	6.39	---	9.46	10.06	12.44	16.63	6.94	5.72	---	---	---	2.86
19	6.37	---	9.17	10.57	12.44	16.31	6.64	5.60	---	---	---	2.81
20	6.27	---	8.96	11.08	12.34	16.59	6.54	5.53	---	---	---	2.79
21	6.12	---	8.67	11.59	12.04	17.00	14.48	5.48	---	---	---	2.82
22	7.22	---	8.61	12.21	11.62	16.84	15.29	5.43	---	---	---	4.12
23	8.61	---	9.06	12.49	11.11	15.93	18.34	5.38	---	---	---	3.85
24	8.17	---	8.86	12.62	10.60	14.65	20.35	5.36	---	---	3.65	3.58
25	7.65	---	8.67	12.81	10.12	13.15	21.02	5.28	---	---	3.63	3.33
26	7.10	---	8.54	12.79	9.68	11.66	21.42	5.22	---	---	3.57	3.46
27	6.62	---	8.36	12.34	9.28	10.78	21.51	5.16	---	---	3.49	3.60
28	6.23	6.93	8.18	11.79	9.60	10.27	21.07	5.16	---	---	3.41	3.36
29	---	8.37	8.09	11.30	---	9.65	19.98	11.85	---	---	3.35	3.08
30	---	8.48	9.19	10.82	---	9.25	18.45	14.58	---	---	3.29	2.86
31	---	---	9.59	10.47	---	8.86	---	14.44	---	---	3.24	---
MEAN	---	---	9.39	10.68	10.06	14.59	11.24	8.35	---	---	---	3.08
MAX	---	---	11.24	12.81	12.44	20.31	21.51	16.67	---	---	---	4.12
MIN	---	---	8.09	9.36	7.00	8.86	6.42	5.16	---	---	---	2.79

CAL YR 1994 MEAN 8.58 MAX 21.51 MIN 3.09

PEARL RIVER BASIN

02483000 TUSCOLAMETA CREEK AT WALNUT GROVE, MS

LOCATION.--Lat 32°35'18", long 89°27'54", in 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, 0.4 mi southwest of Walnut Grove, 0.6 mi upstream from Illinois Central and Gulf Railroad bridge, 7.5 mi upstream from junction of north and south drainage canals, and 15.5 mi upstream from mouth.

DRAINAGE AREA.--411 mi² combined drainage area for all channels.

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

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

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

REMARKS.--Estimated daily discharges: Mar. 25-27, Mar. 31 - Apr. 6, Jun. 5-13. Records good except for estimated daily discharges, which are poor. Discharge computed by combining flow of individually rated channels. National Weather Service telemeter and satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Prior to canalization, creek reached a stage of 34.5 ft present datum, from floodmark, believed to be flood of April 1900.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Mar. 9	1645	6,170	26.27	Apr. 24	2230	*9,230	*27.27

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	38	152	397	247	1400	e185	147	790	36	33	20
2	26	37	109	265	204	1340	e161	137	2390	34	31	19
3	34	34	114	186	178	734	e145	125	1430	36	33	18
4	35	31	981	147	156	454	e123	123	508	34	1210	18
5	35	34	1280	120	137	2120	e113	149	e179	40	2250	18
6	29	38	742	343	122	3270	e109	136	e118	49	1740	17
7	27	45	355	1260	113	4940	105	110	e86	66	855	17
8	26	45	215	999	106	5880	95	96	e66	45	217	15
9	32	43	159	445	102	6030	87	100	e58	37	101	14
10	61	61	158	257	224	5220	80	111	e54	33	120	14
11	68	99	532	196	771	1700	329	92	e49	31	108	14
12	97	99	450	168	943	581	983	77	e46	34	69	15
13	107	77	263	160	633	420	692	67	e41	29	50	16
14	77	64	182	364	361	386	307	62	37	23	41	16
15	61	58	145	560	286	2630	168	57	34	22	36	15
16	52	54	156	386	290	3500	120	53	32	20	37	15
17	46	51	400	259	1600	3740	96	50	31	22	34	17
18	43	48	477	225	2320	2610	84	47	30	23	32	18
19	41	46	294	1480	2290	1050	76	154	28	22	30	18
20	46	45	192	2070	1360	560	108	335	27	20	27	18
21	340	45	148	1610	662	390	2450	92	29	40	36	27
22	516	46	143	630	409	306	3590	58	30	50	41	85
23	518	43	222	418	286	263	7460	48	30	45	42	102
24	248	39	209	459	234	229	8590	43	28	35	35	78
25	125	41	158	356	193	e201	8600	41	28	26	38	44
26	77	43	126	271	166	e173	6020	38	27	22	31	38
27	56	85	109	251	184	e382	1550	37	28	22	27	33
28	44	758	100	660	720	586	355	340	26	22	25	28
29	41	648	133	809	---	423	226	891	27	33	24	24
30	38	315	646	537	---	300	171	1260	31	51	22	23
31	42	---	667	344	---	e234	---	866	---	37	22	---
TOTAL	3014	3110	10017	16632	15297	52052	43178	5942	6318	1039	7397	814
MEAN	97.2	104	323	537	546	1679	1439	192	211	33.5	239	27.1
MAX	518	758	1280	2070	2320	6030	8600	1260	2390	66	2250	102
MIN	26	31	100	120	102	173	76	37	26	20	22	14
CFSM	.24	.25	.79	1.31	1.33	4.09	3.50	.47	.51	.08	.58	.07
IN.	.27	.28	.91	1.51	1.38	4.71	3.91	.54	.57	.09	.67	.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1995, BY WATER YEAR (WY)

MEAN	112	318	588	1020	1264	1228	1057	527	172	192	109	83.1
MAX	1433	1657	3025	4061	4111	4089	3233	2482	780	2001	752	1244
(WY)	1976	1958	1962	1990	1990	1980	1973	1983	1989	1940	1982	1979
MIN	4.53	9.20	50.0	95.3	215	189	47.4	26.3	11.8	13.2	9.00	4.13
(WY)	1955	1954	1939	1988	1968	1967	1967	1965	1972	1956	1956	1954

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1939 - 1995
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ANNUAL TOTAL	239143		164810				
ANNUAL MEAN	655		452		552		
HIGHEST ANNUAL MEAN					1303		1983
LOWEST ANNUAL MEAN					144		1952
HIGHEST DAILY MEAN	12600	Jan 29	8600	Apr 25	32500	Jan 7	1950
LOWEST DAILY MEAN	23	Sep 16	14	Sep 9	2.7	Oct 2	1954
ANNUAL SEVEN-DAY MINIMUM	26	Sep 10	15	Sep 8	3.3	Sep 26	1954
INSTANTANEOUS PEAK FLOW			9230	Apr 24	34600	Jan 7	1950
INSTANTANEOUS PEAK STAGE			27.27	Apr 24	33.00	Jan 7	1950
ANNUAL RUNOFF (CFSM)	1.59		1.10		1.34		
ANNUAL RUNOFF (INCHES)	21.65		14.92		18.25		
10 PERCENT EXCEEDS	2040		1020		1450		
50 PERCENT EXCEEDS	114		100		108		
90 PERCENT EXCEEDS	34		26		16		

e Estimated

02483000 TUSCOLAMETA CREEK AT WALNUT GROVE, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.02	11.36	12.54	13.62	12.94	18.26	---	12.65	16.15	11.32	11.33	11.13
2	11.03	11.35	12.23	13.07	12.74	17.40	---	12.58	22.04	11.36	11.23	11.12
3	11.06	11.31	12.15	12.67	12.60	14.92	---	12.50	18.60	11.40	11.26	11.10
4	11.15	11.27	16.23	12.45	12.47	14.00	---	12.45	14.71	11.30	17.54	11.09
5	11.17	11.31	17.61	12.28	12.33	21.23	---	12.63	---	11.48	21.79	11.07
6	11.11	11.32	15.47	13.22	12.22	24.17	---	12.53	---	11.62	19.58	11.06
7	11.09	11.45	13.82	17.13	12.15	25.59	12.09	12.30	---	11.92	15.94	11.05
8	11.08	11.41	13.01	15.79	12.10	26.15	11.97	12.18	---	11.56	12.91	11.06
9	11.17	11.39	12.62	13.94	12.07	26.21	11.88	12.21	---	11.41	12.20	11.06
10	11.43	11.61	12.58	13.16	12.97	25.79	11.81	12.33	---	11.34	12.48	11.04
11	11.52	12.07	14.28	12.82	16.06	19.48	13.09	12.14	---	11.30	12.28	11.04
12	11.61	12.02	13.95	12.63	16.36	14.60	15.98	11.98	---	11.25	11.84	11.05
13	12.01	11.89	13.13	12.58	14.94	13.88	14.82	11.85	---	11.20	11.65	11.05
14	11.75	11.77	12.73	13.83	13.66	13.78	13.25	11.79	11.44	11.15	11.53	11.06
15	11.56	11.71	12.48	15.07	13.28	22.60	12.50	11.72	11.38	11.12	11.46	11.05
16	11.44	11.65	12.50	14.17	13.34	24.47	12.17	11.66	11.34	11.10	11.42	11.06
17	11.37	11.62	13.54	13.39	19.37	24.92	11.95	11.64	11.30	11.10	11.37	11.08
18	11.31	11.54	13.74	13.14	21.65	22.21	11.83	11.60	11.26	11.13	11.34	11.07
19	11.29	11.52	13.09	18.99	21.07	16.11	11.75	12.42	11.24	11.15	11.31	11.09
20	11.29	11.49	12.68	20.94	17.49	14.26	11.91	13.72	11.22	11.13	11.30	11.10
21	12.00	11.50	12.45	19.07	14.62	13.63	22.03	12.04	11.26	11.29	11.42	11.26
22	13.16	11.51	12.41	14.83	13.60	13.26	24.20	11.69	11.32	11.35	11.47	12.01
23	13.71	11.49	12.86	13.95	13.10	13.03	26.71	11.59	11.29	11.22	11.40	11.98
24	12.65	11.44	12.73	13.98	12.85	12.83	27.07	11.55	11.25	11.17	11.32	11.57
25	12.12	11.44	12.44	13.44	12.62	---	27.11	11.53	11.24	11.12	11.29	11.46
26	11.85	11.46	12.26	13.08	12.48	---	26.21	11.49	11.21	11.07	11.26	11.44
27	11.66	11.77	12.15	13.00	12.63	---	19.52	11.47	11.22	11.06	11.23	11.41
28	11.46	14.97	12.10	14.82	15.54	14.49	13.91	13.22	11.19	11.13	11.21	11.37
29	11.42	14.90	12.29	15.14	---	13.80	13.18	16.64	11.19	11.43	11.19	11.34
30	11.40	13.42	14.80	14.07	---	13.13	12.82	17.87	11.22	11.77	11.17	11.30
31	11.42	---	14.76	13.37	---	---	---	16.11	---	11.49	11.15	---
MEAN	11.59	11.83	13.28	14.31	14.26	---	---	12.58	---	11.30	12.45	11.22
MAX	13.71	14.97	17.61	20.94	21.65	---	---	17.87	---	11.92	21.79	12.01
MIN	11.02	11.27	12.10	12.28	12.07	---	---	11.47	---	11.06	11.15	11.04

02483500 PEARL RIVER NEAR LENA, MS

LOCATION.--Lat 32°40'02", long 88°38'46", in SE1/4 sec.35, T.10 N., R.6 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, County code 079, at U.S. Highway 25, 2.7 mi south of Highway 16 intersection, 6.1 mi northwest of Lena, about 353.8 mi upstream from the mouth, and 2.8 mi upstream of the confluence with the Yockanookany River. The gage is located approximately 52.0 mi upstream of the Ross Barnett Reservoir Dam.

DRAINAGE AREA.--1981 mi².

PERIOD OF RECORD.--Oct. 1937 to Sept. 1953, Oct. 1994 to current year. Additional gage height records are contained in records from the National Weather Service.

GAGE.--Water-stage recorder. Elevation of gage is 300.00 ft above sea level, from U.S.Army Corps of Engineers levels. Prior to Sept. 1994 at site at Highway 25 bridge .3 mi upstream at datum 0.5 ft lower.

REMARKS.--Estimated discharges: Feb. 4, Feb. 20, Mar. 1, Apr. 8-18, Jun. 18-20, Jul. 6-11, Jul. 15 - Aug. 14. Records good except estimated daily discharges, which are poor.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1979, reached a stage of 32.20 ft at datum 0.5 ft lower, and a discharge of 122,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	172	490	1850	2150	2350	e3000	1680	7910	5560	305	e350	242
2	171	431	1880	2020	2030	3880	1440	6000	6920	308	e390	235
3	176	396	1790	1860	1800	3680	1260	4090	6020	307	e600	227
4	182	374	2470	1670	e1640	3190	1130	2770	3330	312	e2000	224
5	189	360	3220	1560	1520	3690	1020	2460	2140	338	e2100	221
6	194	364	3290	1540	1400	5690	954	2150	1720	e380	e2400	218
7	188	397	2830	2880	1300	7730	870	1770	1420	e430	e2400	217
8	189	477	2550	3410	1180	10800	e820	1590	1200	e760	e2300	215
9	218	528	2280	3270	1040	13400	e800	1510	998	e860	e2200	214
10	462	584	2170	3000	1020	15500	e840	1450	801	e600	e2100	212
11	829	695	2320	2780	2700	16200	e820	1350	662	e450	e2000	211
12	1130	806	2930	2340	3350	14600	e1200	1180	577	378	e1600	210
13	1570	844	2700	1850	3060	12100	e1600	1040	531	347	e1200	208
14	1930	854	2290	1670	2900	10100	e1700	880	489	323	e800	208
15	1860	817	1860	2180	2700	10700	e1500	775	444	e290	654	207
16	1630	678	1610	2230	2530	12300	e1400	685	409	e260	548	209
17	1340	608	1840	2200	3400	12000	e1200	623	390	e240	480	207
18	1010	549	2250	2170	5050	11400	e1000	599	e370	e230	416	204
19	839	497	2200	2820	5670	10100	837	570	e355	e220	377	201
20	776	472	2000	4270	e5400	8300	1990	755	e345	e210	352	201
21	785	454	1690	4930	5320	7850	7660	622	335	e200	340	229
22	1220	435	1480	5030	4820	7550	9950	534	330	e197	337	320
23	2130	417	1520	4890	4150	6710	16100	491	324	e194	342	374
24	2030	407	1570	4980	3190	5440	21600	457	331	e190	329	373
25	1740	394	1520	4850	2350	4140	24500	428	331	e185	305	343
26	1600	391	1570	4390	2050	3000	24200	412	320	e181	293	310
27	1410	413	1580	3870	1870	2520	21600	407	312	e179	281	314
28	1110	980	1410	3490	2090	2490	17300	581	300	e190	270	303
29	822	1920	1210	3540	---	2180	13500	3850	295	e220	259	275
30	662	1940	1470	3190	---	2000	10500	6250	300	e240	252	253
31	567	---	2180	2740	---	1900	---	6430	---	e303	247	---
TOTAL	29131	18972	63530	93770	77880	234140	190971	60619	37859	9827	28522	7385
MEAN	940	632	2049	3025	2781	7553	6366	1955	1262	317	920	246
MAX	2130	1940	3290	5030	5670	16200	24500	7910	6920	860	2400	374
MIN	171	360	1210	1540	1020	1900	800	407	295	179	247	201
CFSM	.47	.32	1.03	1.53	1.40	3.81	3.21	.99	.64	.16	.46	.12
IN.	.55	.36	1.19	1.76	1.46	4.40	3.59	1.14	.71	.18	.54	.14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1995, BY WATER YEAR (WY)

	1994	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995
MEAN	940	632	2049	3025	2781	7553	6366	1955	1262	317	920	246
MAX	940	632	2049	3025	2781	7553	6366	1955	1262	317	920	246
(WY)	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995
MIN	940	632	2049	3025	2781	7553	6366	1955	1262	317	920	246
(WY)	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995

SUMMARY STATISTICS

FOR 1995 WATER YEAR

WATER YEARS 1994 - 1995

ANNUAL TOTAL	852606		
ANNUAL MEAN	2336		
HIGHEST ANNUAL MEAN		2336	1995
LOWEST ANNUAL MEAN		2336	1995
HIGHEST DAILY MEAN	24500	Apr 25	24500
LOWEST DAILY MEAN	171	Oct 2	171
ANNUAL SEVEN-DAY MINIMUM	182	Oct 1	182
INSTANTANEOUS PEAK FLOW	25100	Apr 25	46500
INSTANTANEOUS PEAK STAGE	24.67	Apr 25	28.56
INSTANTANEOUS LOW FLOW	165	Oct 2	
ANNUAL RUNOFF (CFSM)	1.18		1.18
ANNUAL RUNOFF (INCHES)	16.01		16.02
10 PERCENT EXCEEDS	5490		5490
50 PERCENT EXCEEDS	1200		1200
90 PERCENT EXCEEDS	223		223

e Estimated

02483500 PEARL RIVER NEAR LENA, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.39	5.28	8.20	9.06	9.08	---	7.68	15.61	13.21	4.58	---	4.36
2	4.39	5.10	8.25	8.89	8.53	11.22	7.22	13.67	14.65	4.59	---	4.34
3	4.41	4.99	8.09	8.68	8.11	10.97	6.85	11.47	13.69	4.59	---	4.32
4	4.43	4.91	9.26	8.37	---	10.31	6.57	9.69	10.46	4.60	---	4.31
5	4.46	4.86	10.35	8.16	7.56	10.95	6.33	9.21	8.72	4.69	---	4.29
6	4.48	4.86	10.45	8.12	7.33	13.35	6.17	8.67	7.96	---	---	4.28
7	4.45	4.96	9.84	9.94	7.12	15.45	6.00	7.98	7.36	---	---	4.28
8	4.44	5.19	9.54	10.61	6.86	---	---	7.62	6.90	---	---	4.28
9	4.55	5.34	9.23	10.41	6.55	19.83	---	7.47	6.46	---	---	4.28
10	5.34	5.48	9.08	10.05	6.50	21.11	---	7.36	6.00	---	---	4.27
11	6.32	5.77	9.27	9.80	9.54	21.50	---	7.15	5.64	---	---	4.27
12	7.01	6.05	9.96	9.30	10.52	20.56	---	6.80	5.42	4.80	---	4.26
13	7.90	6.13	9.71	8.64	10.12	18.96	---	6.48	5.29	4.70	---	4.26
14	8.56	6.15	9.23	8.37	9.90	17.53	---	6.11	5.17	4.62	---	4.26
15	8.46	6.06	8.67	9.10	9.61	18.00	---	5.85	5.03	---	5.59	4.26
16	8.02	5.69	8.25	9.16	9.36	19.17	---	5.62	4.93	---	5.31	4.27
17	7.43	5.50	8.62	9.13	10.61	18.94	---	5.46	4.88	---	5.11	4.26
18	6.71	5.34	9.19	9.08	12.63	18.53	---	5.40	---	---	4.92	4.26
19	6.30	5.19	9.13	9.88	13.34	17.53	5.90	5.32	---	---	4.81	4.25
20	6.14	5.12	8.86	11.71	---	15.99	7.87	5.80	---	---	4.73	4.25
21	6.15	5.06	8.40	12.49	12.94	15.57	15.36	5.46	4.69	---	4.69	4.35
22	7.11	5.01	7.99	12.61	12.37	15.28	17.38	5.22	4.67	---	4.67	4.68
23	8.84	4.95	8.07	12.45	11.55	14.44	21.38	5.09	4.65	---	4.70	4.86
24	8.68	4.92	8.19	12.55	10.30	13.07	23.84	4.99	4.68	---	4.66	4.86
25	8.15	4.88	8.08	12.40	9.07	11.55	24.57	4.91	4.68	---	4.58	4.77
26	7.88	---	8.18	11.85	8.56	10.01	24.53	4.85	4.64	---	4.54	4.65
27	7.51	4.94	8.20	11.20	8.24	9.24	23.85	4.84	4.61	---	4.49	4.67
28	6.85	6.36	7.85	10.71	8.63	9.19	22.03	5.27	4.57	---	4.46	4.64
29	6.18	8.32	7.45	10.78	---	8.63	19.90	11.10	4.56	---	4.43	4.54
30	5.77	8.37	7.96	10.30	---	8.28	17.80	13.96	4.56	---	4.40	4.46
31	5.51	---	9.10	9.66	---	8.11	---	14.14	---	---	4.38	---
MEAN	6.35	---	8.80	10.11	---	---	---	7.70	---	---	---	4.40
MAX	8.84	---	10.45	12.61	---	---	---	15.61	---	---	---	4.86
MIN	4.39	---	7.45	8.12	---	---	---	4.84	---	---	---	4.25

02484000 YOCKANOOKANY RIVER NEAR KOSCIUSKO, MS

LOCATION.--Lat 33°01'55", long 89°34'40", in NE1/4 NE1/4 sec.33, T.14 N., R.7 E., Choctaw Meridian, Attala County, Hydrologic Unit 03180001, on left bank at downstream side of bridge on State Highway 35, 2.0 mi south of Kosciusko.

DRAINAGE AREA.--303 mi².

PERIOD OF RECORD.--August 1938 to current year. Prior to October 1947, published as Yokahockany River near Kosciusko.

REVISED RECORDS.--WSP 1504: 1946. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is above 374.34 ft above sea level, (levels by U. S. Army Corps of Engineers). Prior to Mar. 28, 1939, nonrecording gage at same site and datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in December 1932 reached a stage of about 17 ft, from information by U. S. Army Corps of Engineers.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 20	0600	3,690	13.23	Mar. 8	0900	5,630	14.44
Feb. 19	0400	3,690	13.23	Apr. 23	2200	*9,160	*16.06

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	74	309	338	186	661	209	184	131	46	16	13
2	27	78	213	264	165	468	174	188	242	34	16	13
3	43	72	216	215	156	345	148	184	189	27	17	12
4	46	69	757	186	138	298	130	241	103	23	162	12
5	38	108	993	165	126	1160	124	352	61	51	411	12
6	30	431	665	346	116	3070	114	258	44	81	282	12
7	26	35	389	1060	106	3840	101	187	37	53	220	12
8	119	226	302	1230	99	5370	92	160	33	36	123	12
9	1930	177	277	691	94	4790	83	188	30	27	65	12
10	2390	465	313	365	106	3720	74	188	29	23	44	11
11	1560	558	460	294	363	1690	310	139	27	21	33	11
12	1410	383	368	273	371	482	661	102	29	19	28	11
13	1310	283	276	253	279	360	365	88	29	18	25	12
14	498	217	232	345	233	319	194	75	28	17	94	11
15	269	180	353	595	239	932	124	65	26	16	74	13
16	183	156	872	419	530	2170	91	104	24	15	41	13
17	136	142	864	307	1510	2340	75	85	23	17	29	12
18	106	133	522	372	2800	2400	69	66	21	19	24	13
19	96	121	357	2140	3410	1720	66	203	21	29	21	13
20	115	113	278	3450	1870	518	95	124	22	22	23	13
21	303	109	236	2930	502	393	1200	74	25	19	61	79
22	863	104	551	1900	337	425	3680	56	24	18	31	174
23	1210	93	992	620	279	334	8080	47	23	21	24	43
24	715	85	897	508	243	266	9030	40	24	22	21	31
25	326	79	472	381	212	219	7840	36	22	18	19	25
26	200	84	323	312	188	191	4830	34	21	16	18	21
27	138	167	257	272	195	355	2000	36	22	15	17	19
28	107	968	221	293	467	796	403	46	25	49	16	17
29	92	1250	219	289	---	603	257	70	22	44	15	16
30	78	644	377	246	---	335	202	109	21	19	14	15
31	71	---	405	214	---	256	---	134	---	16	14	---
TOTAL	14457	7922	13966	21273	15320	40826	40821	3863	1378	851	1998	683
MEAN	466	264	451	686	547	1317	1361	125	45.9	27.5	64.5	22.8
MAX	2390	1250	993	3450	3410	5370	9030	352	242	81	411	174
MIN	22	69	213	165	94	191	66	34	21	15	14	11
CFSM	1.54	.87	1.49	2.26	1.81	4.35	4.49	.41	.15	.09	.21	.08
IN.	1.77	.97	1.71	2.61	1.88	5.01	5.01	.47	.17	.10	.25	.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1995, BY WATER YEAR (WY)

	86.4	264	570	820	993	966	806	450	154	174	75.3	69.7
MEAN	86.4	264	570	820	993	966	806	450	154	174	75.3	69.7
MAX	748	1694	3640	3010	2318	3132	3818	2756	966	1241	492	687
(WY)	1976	1980	1983	1974	1951	1980	1979	1991	1989	1989	1975	1979
MIN	5.28	15.3	43.5	49.4	173	177	50.4	20.6	11.5	17.3	3.95	4.56
(WY)	1944	1954	1944	1956	1986	1966	1967	1963	1988	1952	1943	1954

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1938 - 1995	
ANNUAL TOTAL	167016		163358			
ANNUAL MEAN	458		448		450	
HIGHEST ANNUAL MEAN					1217	
LOWEST ANNUAL MEAN					90.6	
HIGHEST DAILY MEAN	7440	Feb 13	9030	Apr 24	34300	Apr 13 1979
LOWEST DAILY MEAN	22	Oct 1	11	Sep 10, 11, 12, 14	2.3	Aug 20 1943
ANNUAL SEVEN-DAY MINIMUM	26	Sep 26	11	Sep 8	2.4	Aug 19 1943
INSTANTANEOUS PEAK FLOW			9160	Apr 23	40700	Apr 13 1979
INSTANTANEOUS PEAK STAGE			16.06	Apr 23	23.06	Apr 13 1979
INSTANTANEOUS LOW FLOW			11	Sep 10-15	2.3	Aug 20 1943
ANNUAL RUNOFF (CFSM)	1.51		1.48		1.48	
ANNUAL RUNOFF (INCHES)	20.50		20.06		20.17	
10 PERCENT EXCEEDS	992		992		1230	
50 PERCENT EXCEEDS	179		136		94	
90 PERCENT EXCEEDS	38		17		14	

02484500 YOCKANOOKANY RIVER NEAR OFAHOMA, MS

LOCATION.--Lat 32°42'20", long 89°40'20", in NE1/4 NW1/4 sec.22, T.10 N., R.6 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, near center of main span on downstream side of bridge on State Highway 16, 1.5 mi east of Ofahoma, 3.5 mi upstream from mouth, and 8.5 mi southwest of Carthage.

DRAINAGE AREA.--469 mi².

PERIOD OF RECORD.--October 1943 to current year. Daily mean gage heights published since October 1971. Prior to October 1947 published as Yokahockany River near Ofahoma.

REVISED RECORDS.--WSP 1204: 1948. WSP 1504: 1949. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 306.15 ft above sea level (levels by U. S. Army Corps of Engineers). Prior to June 10, 1988, at datum 5.00 ft. higher. Prior to Sept. 5, 1962, nonrecording gage at same site.

REMARKS.--Estimated daily discharges: Oct. 9-13, 17-21, Apr. 11-17, Jul. 13-30, Aug. 1-4, Aug. 24 - Sept. 21, 27-30. Records fair except for estimated daily discharges, which are poor. National Weather Service telemeter and satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,700 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Mar. 9	0845	5,060	20.93	Apr. 25	0145	*9,990	*22.47

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	141	670	397	360	445	583	969	562	47	e40	e23
2	49	126	865	442	321	498	395	491	916	48	e30	e22
3	49	121	787	436	290	622	268	279	544	50	e27	e22
4	48	121	795	366	268	676	215	274	373	61	e40	e21
5	54	117	720	290	252	773	189	463	237	58	166	e20
6	63	120	722	250	234	1100	173	374	156	186	157	e20
7	61	175	837	271	219	1440	162	359	114	105	253	e20
8	58	298	905	384	206	3730	153	299	91	109	262	e19
9	e100	354	801	614	191	4990	144	255	76	83	212	e19
10	e200	357	564	871	198	4600	135	235	66	66	140	e19
11	e500	330	435	1010	658	3940	e150	229	61	55	91	e18
12	e1000	396	384	847	399	3260	e200	202	61	49	66	e18
13	e1400	486	403	531	373	2390	e300	168	59	e43	52	e18
14	1490	536	427	388	393	1580	e560	143	56	e35	46	e18
15	1560	457	381	337	362	1620	e450	128	54	e31	45	e18
16	1170	341	377	348	340	1990	e300	115	50	e29	58	e19
17	e800	256	532	432	596	1720	e200	104	50	e27	74	e20
18	e540	211	672	522	620	1880	156	112	48	e26	53	e20
19	e350	190	864	828	839	1910	137	109	47	e29	46	e20
20	e280	176	917	917	1270	1830	147	99	49	e35	44	e19
21	e250	165	728	1100	1910	1740	1020	142	47	e40	43	e19
22	607	155	516	1650	2110	1400	1190	128	46	e35	42	56
23	678	147	404	2170	1560	870	4180	100	46	e31	51	55
24	728	140	415	2150	834	577	9100	84	46	e30	e44	110
25	885	132	590	1700	445	476	9840	73	46	e35	e40	66
26	1000	126	815	1090	322	367	9320	66	56	e36	e35	49
27	887	133	866	707	276	301	7700	62	52	e31	e32	e41
28	521	260	645	542	378	291	4930	59	48	e27	e29	e36
29	272	357	431	476	---	293	3050	335	47	e26	e27	e32
30	197	464	366	430	---	444	1870	571	47	e35	e25	e29
31	165	---	352	396	---	640	---	748	---	63	e24	---
TOTAL	16012	7388	19186	22892	16224	48393	57217	7775	4151	1561	2294	886
MEAN	517	246	619	738	579	1561	1907	251	138	50.4	74.0	29.5
MAX	1560	536	917	2170	2110	4990	9840	969	916	186	262	110
MIN	48	117	352	250	191	291	135	59	46	26	24	18
CFSM	1.10	.53	1.32	1.57	1.24	3.33	4.07	.53	.30	.11	.16	.06
IN.	1.27	.59	1.52	1.82	1.29	3.84	4.54	.62	.33	.12	.18	.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1995, BY WATER YEAR (WY)

	MEAN	127	338	837	1288	1503	1482	1356	774	231	202	124	93.1
MAX	1073	2132	5617	5142	3433	4278	6209	3690	1142	1461	719	1100	
(WY)	1976	1980	1983	1974	1946	1980	1979	1983	1989	1989	1975	1979	
MIN	10.6	17.5	50.0	62.8	251	344	108	45.6	18.4	22.0	9.20	7.46	
(WY)	1956	1954	1944	1956	1986	1966	1963	1963	1988	1952	1954	1954	

SUMMARY STATISTICS

	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1944 - 1995	
ANNUAL TOTAL	234119		203979			
ANNUAL MEAN	641		559		692	
HIGHEST ANNUAL MEAN					1868	
LOWEST ANNUAL MEAN					131	
HIGHEST DAILY MEAN	6980	Feb 14	9840	Apr 25	40900	Apr 15 1979
LOWEST DAILY MEAN	45	Aug 20	18	Sep 11	5.3	Aug 20 1954
ANNUAL SEVEN-DAY MINIMUM	51	Aug 15	18	Sep 9	6.3	Sep 7 1954
INSTANTANEOUS PEAK FLOW			9990	Apr 25	46500	Apr 14 1979
INSTANTANEOUS PEAK STAGE			22.47	Apr 25	28.27	Apr 14 1979
INSTANTANEOUS LOW FLOW			18	Sep 14a	4.9	Aug 20 1954
ANNUAL RUNOFF (CFSM)	1.37		1.19		1.48	
ANNUAL RUNOFF (INCHES)	18.57		16.18		20.05	
10 PERCENT EXCEEDS	1380		1180		1850	
50 PERCENT EXCEEDS	293		250		179	
90 PERCENT EXCEEDS	61		31		27	

e Estimated

a Low flow observed; but may have been lower during periods of no gage height.

PEARL RIVER BASIN

02484500 YOCKANOOKANY RIVER NEAR OFAHOMA, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.76	7.03	10.86	9.21	8.86	9.53	10.38	12.29	10.25	5.88	5.89	---
2	5.74	6.86	11.88	9.51	8.56	9.87	9.26	9.83	12.12	5.91	5.85	---
3	5.74	6.80	11.48	9.47	8.29	10.60	8.40	8.53	10.15	5.94	5.80	---
4	5.73	6.80	11.53	8.99	8.10	10.90	7.98	8.47	9.15	6.13	5.90	---
5	5.84	6.75	11.14	8.42	7.96	11.39	7.73	9.69	8.20	6.08	7.45	---
6	6.00	6.79	11.15	8.09	7.81	12.96	7.58	9.16	7.45	7.67	7.35	---
7	5.96	7.37	11.74	8.27	7.67	14.31	7.47	9.07	6.96	6.77	8.26	---
8	5.90	8.48	12.07	9.11	7.54	19.41	7.37	8.66	6.65	6.82	8.33	---
9	---	8.91	11.55	10.54	7.41	20.87	7.26	8.35	6.43	6.46	7.92	---
10	---	8.93	10.26	11.90	7.46	20.54	7.16	8.20	6.27	6.21	7.20	---
11	---	8.73	9.46	12.56	10.78	19.91	---	8.16	6.19	6.02	6.58	---
12	---	9.20	9.12	11.78	9.21	18.98	---	7.92	6.20	5.92	6.21	---
13	---	9.79	9.25	10.06	9.04	17.29	---	7.59	6.15	---	5.99	---
14	14.39	10.10	9.41	9.14	9.19	14.83	---	7.32	6.10	---	5.88	---
15	14.79	9.54	9.10	8.78	8.97	14.99	---	7.15	6.06	---	5.86	---
16	13.08	8.61	9.07	8.86	8.80	16.26	---	6.99	5.99	---	6.08	---
17	---	7.86	10.07	9.44	10.45	15.37	---	6.84	5.98	---	6.36	---
18	---	7.46	10.88	10.01	10.59	15.94	7.40	6.95	5.94	---	6.01	---
19	---	7.26	11.87	11.68	11.74	16.02	7.19	6.91	5.91	---	5.88	---
20	---	7.13	12.12	12.13	13.66	15.76	7.24	6.78	5.94	---	5.86	---
21	---	7.01	11.17	12.94	15.98	15.43	12.55	7.30	5.91	---	5.84	---
22	10.46	6.90	9.97	15.10	16.61	14.20	13.25	7.14	5.89	---	5.81	6.06
23	10.91	6.82	9.26	16.78	14.76	11.87	19.26	6.79	5.88	---	6.00	6.01
24	11.18	6.75	9.33	16.72	11.68	10.34	22.22	6.57	5.87	---	---	6.82
25	11.95	6.65	10.41	15.28	9.52	9.75	22.44	6.42	5.87	---	---	6.19
26	12.52	6.58	11.63	12.87	8.67	9.08	22.33	6.31	6.05	---	---	5.89
27	11.98	6.66	11.88	11.06	8.31	8.65	21.88	6.23	5.98	---	---	---
28	9.98	7.90	10.72	10.13	9.08	8.57	20.61	6.19	5.91	---	---	---
29	8.27	8.75	9.43	9.71	---	8.58	18.49	8.79	5.88	---	---	---
30	7.61	9.59	8.99	9.39	---	9.56	15.76	10.30	5.88	---	---	---
31	7.29	---	8.89	9.14	---	10.70	---	11.28	---	6.16	---	---
MEAN	---	7.80	10.51	10.87	9.88	13.63	---	8.01	6.77	---	---	---
MAX	---	10.10	12.12	16.78	16.61	20.87	---	12.29	12.12	---	---	---
MIN	---	6.58	8.89	8.09	7.41	8.57	---	6.19	5.87	---	---	---

02484630 PEARL RIVER AT COAL BLUFF NEAR RATLIFF, MS

LOCATION.--Lat 32°35'25", long 89°46'49", in NW1/4 sec.34, T.9 N., R.5 E., Choctaw Meridian, Scott County, Hydrologic Unit 03180002, on left bank at Coal Bluff Park, 0.5 mi upstream from Sycamore Creek and 1.8 mi northeast of Ratliff.

DRAINAGE AREA.--2,595 mi².

PERIOD OF RECORD.--January 1981 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 290.00 ft above sea level.

REMARKS.--Records fair. Satellite telemeter and National Weather Service telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 24.49 ft, May 23, 1983, minimum, 3.82 ft, Oct. 1, 1988.

EXTREMES OUTSIDE PERIOD OF RECORD.--A gage height of approximately 26.5 ft occurred Apr. 15, 1979 as reported by Park Ranger.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 22.02 ft, Apr. 26, minimum, 5.93 ft, Nov. 23.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.06	6.99	6.69	6.96	7.17	7.40	6.52	13.90	10.50	7.29	7.07	6.99
2	7.04	6.87	6.76	6.90	6.93	8.11	6.40	12.05	10.76	7.26	7.12	6.92
3	7.08	6.80	6.74	6.81	6.74	8.17	6.26	10.00	11.21	7.31	7.11	6.88
4	7.07	6.80	6.86	6.66	6.61	7.88	6.19	8.65	9.92	7.33	7.40	6.84
5	7.05	6.86	7.61	6.59	6.55	8.00	6.10	7.93	8.42	7.33	8.15	6.80
6	7.04	6.76	7.75	6.69	6.43	9.53	6.09	7.77	8.02	7.48	8.83	6.79
7	7.01	6.70	7.52	7.21	6.36	11.05	6.12	7.58	7.94	7.49	8.68	6.75
8	7.01	6.72	7.37	7.80	6.27	13.02	6.20	7.40	7.86	7.51	8.18	6.78
9	6.99	6.74	7.23	7.73	6.22	15.43	6.28	7.23	7.76	7.53	7.81	6.74
10	7.01	6.70	7.08	7.56	6.28	16.70	6.33	7.16	7.65	7.51	7.69	6.73
11	7.18	6.63	7.06	7.54	7.02	17.17	6.38	7.14	7.63	7.51	7.64	6.73
12	7.48	6.62	7.34	7.35	7.82	17.26	6.63	7.16	7.53	7.46	7.60	6.72
13	7.67	6.61	7.32	6.96	7.61	16.12	7.10	7.17	7.50	7.47	7.61	6.72
14	7.90	6.59	7.13	6.76	7.42	14.27	7.01	7.13	7.48	7.46	7.58	6.67
15	7.92	6.54	6.89	6.85	7.38	13.10	6.87	7.07	7.46	7.46	7.53	6.67
16	7.80	6.46	6.72	6.99	7.24	14.16	6.80	7.01	7.43	7.45	---	6.69
17	7.65	6.36	6.76	6.97	7.45	14.74	6.77	6.99	7.41	7.39	---	6.62
18	7.46	6.26	7.09	7.03	8.61	14.30	6.80	7.07	7.38	7.31	---	6.57
19	7.35	6.19	7.10	7.47	9.40	13.82	6.85	6.93	7.35	7.27	---	6.57
20	7.30	6.23	7.05	8.30	9.78	12.71	7.11	6.90	7.36	7.33	---	6.59
21	7.33	6.22	6.85	8.83	9.78	11.54	10.52	6.93	7.34	7.29	---	6.59
22	7.50	6.07	6.65	9.25	9.45	11.17	13.00	6.91	7.34	7.33	---	6.61
23	7.84	6.01	6.57	9.16	8.97	10.65	16.30	6.93	7.33	7.30	7.28	6.63
24	7.90	6.04	6.60	9.28	8.08	9.66	19.90	6.93	7.35	7.27	7.24	6.63
25	7.73	6.04	6.59	9.23	7.31	8.65	21.55	6.93	7.38	7.21	7.21	6.62
26	7.62	6.07	6.66	8.83	6.98	7.73	21.90	6.92	7.40	7.20	7.20	6.62
27	7.56	6.15	6.72	8.36	6.83	7.08	21.73	6.93	7.40	7.16	7.17	6.61
28	7.40	6.24	6.63	7.99	6.81	6.86	21.04	6.90	7.34	7.04	7.12	6.59
29	7.23	6.68	6.43	7.89	---	6.73	19.14	7.44	7.36	7.04	7.08	6.56
30	7.13	6.74	6.41	7.75	---	6.56	16.52	9.42	7.37	7.03	7.07	6.57
31	7.10	---	6.83	7.41	---	6.53	---	10.66	---	7.05	7.02	---
MEAN	7.37	6.49	6.94	7.65	7.48	11.16	10.41	7.84	7.94	7.32	---	6.69
MAX	7.92	6.99	7.75	9.28	9.78	17.26	21.90	13.90	11.21	7.53	---	6.99
MIN	6.99	6.01	6.41	6.59	6.22	6.53	6.09	6.90	7.33	7.03	---	6.56

CAL YR 1994 MEAN 8.47 MAX 20.16 MIN 5.09

02485700 HANGING MOSS CREEK AT JACKSON, MS

LOCATION.--Lat 32°21'57", long 90°08'57", in NE1/4 sec.13, T.6 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, on left bank of Hanging Moss Creek, 600 ft east of Old Canton Road, at Parham Bridges Park, 0.7 mi upstream from Whiteoak Creek, and 1.4 mi upstream from the mouth.

DRAINAGE AREA.--16.8 mi².

PERIOD OF RECORD.--October 1952 to September 1980 (annual maximums only). October 1980 to current year. Daily mean gage heights published since October 1980.

REVISED RECORDS.--WDR MS-85-1: 1984, WDR MS-90-1: 1983.

GAGE.--Water-stage recorder. Datum of gage is 260.00 ft above sea level. Prior to May 31, 1961, at datum 72.23 ft lower. From June 1, 1961 to July 10, 1980, at datum 1.33 ft higher. Prior to July 11, 1980, site located 0.6 mi upstream at downstream side of bridge on frontage road, 100 ft downstream from U. S. Highway 51 (Interstate 55).

REMARKS.--Estimated daily discharge: April 23-30 due to backwater from Pearl River, Jul. 21-24. Records fair. 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.28	.18	1.7	4.3	.82	16	1.8	1.8	4.3	.75	.45	.67
2	19	.20	2.0	4.2	.91	7.1	1.3	1.0	3.0	1.8	.53	.58
3	2.6	.19	47	3.7	.77	5.5	1.1	1.9	.37	1.5	5.3	.61
4	1.1	.18	87	3.9	.84	106	.99	7.5	.23	1.9	41	.76
5	1.5	4.8	10	3.6	.65	145	1.7	2.0	.19	66	7.7	1.0
6	1.6	3.1	6.1	36	.47	25	2.9	1.3	.22	8.8	1.6	1.1
7	.76	.45	4.7	13	.95	381	1.2	22	.41	.85	.40	.37
8	1.4	.65	4.6	6.0	1.6	43	.67	107	1.3	.27	.33	.21
9	2.4	8.4	7.0	4.7	1.5	9.6	.52	39	.97	.14	30	.21
10	.27	13	51	4.5	3.4	6.3	.55	5.3	.64	.67	5.0	.16
11	38	5.0	12	4.1	3.9	4.9	54	1.8	2.1	.35	.77	.27
12	59	3.0	6.6	2.6	2.8	4.1	5.2	.50	3.6	.23	.24	.25
13	7.9	1.7	5.3	3.3	.96	3.3	.74	.23	.59	.41	.16	.29
14	3.8	1.0	11	3.2	1.1	119	.15	.20	.20	.90	.14	.31
15	1.5	.64	11	3.9	1.5	415	.13	.23	.16	.43	.14	1.7
16	1.1	.42	149	2.3	24	43	.16	.43	.14	.18	.35	1.1
17	1.9	.34	22	1.4	21	21	.16	.20	.12	.19	.46	.28
18	1.1	.96	8.7	81	9.7	9.9	.18	4.4	.17	21	.43	.42
19	5.0	1.6	6.0	36	7.6	5.6	.26	3.8	.16	1.9	.26	1.3
20	140	1.7	5.3	6.7	7.0	4.1	576	.54	1.6	.22	.51	4.9
21	41	3.0	14	4.2	4.9	3.7	597	.21	.90	e.20	13	28
22	82	1.9	18	4.6	3.6	2.6	354	.20	.14	e.19	5.3	6.8
23	6.8	1.5	8.1	11	2.1	1.6	e1500	.18	.16	e.17	1.1	3.1
24	1.2	1.8	5.7	6.0	1.4	1.0	e525	.21	13	e.16	.87	1.1
25	.13	2.0	4.9	3.8	1.0	.63	e280	.22	1.7	.15	.78	.92
26	.14	2.7	4.3	3.1	.69	.45	e160	.25	8.5	.14	.68	.97
27	.16	81	4.1	19	6.5	7.9	e130	.18	.53	.46	.71	1.5
28	.24	76	4.0	24	59	4.8	e100	1.9	.46	3.3	.66	1.7
29	.24	6.2	5.6	7.4	---	2.4	e70	78	.30	4.0	.72	1.9
30	.19	2.4	4.3	4.1	---	1.4	45	28	.28	.61	.78	1.9
31	.20	---	3.9	1.7	---	1.8	---	11	---	.63	.70	---
TOTAL	422.51	226.01	534.9	317.3	170.66	1402.68	4410.71	321.48	46.44	118.50	121.07	64.38
MEAN	13.6	7.53	17.3	10.2	6.09	45.2	147	10.4	1.55	3.82	3.91	2.15
MAX	140	81	149	81	59	415	1500	107	13	66	41	28
MIN	.13	.18	1.7	1.4	.47	.45	.13	.18	.12	.14	.14	.16
CFSM	.81	.45	1.03	.61	.36	2.69	8.75	.62	.09	.23	.23	.13
IN.	.94	.50	1.18	.70	.38	3.11	9.77	.71	.10	.26	.27	.14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1995, BY WATER YEAR (WY)

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
MEAN	11.6	26.5	35.8	40.8	49.5	38.0	44.2	17.5	10.3	11.6	9.25	4.34			
MAX	57.3	95.6	201	146	142	71.4	159	49.5	33.4	35.9	31.1	12.2			
(WY)	1986	1990	1983	1994	1994	1983	1990	1989	1989	1989	1982	1989			
MIN	.46	3.29	1.59	1.47	6.09	14.6	1.13	1.17	1.55	1.48	.98	.59			
(WY)	1990	1981	1981	1981	1995	1992	1992	1982	1995	1987	1991	1993			

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1981 - 1995
ANNUAL TOTAL	13542.00	8156.64	
ANNUAL MEAN	37.1	22.3	24.8
HIGHEST ANNUAL MEAN			57.5
LOWEST ANNUAL MEAN			11.1
HIGHEST DAILY MEAN	1110	1500	1780
LOWEST DAILY MEAN	.11	.12	.01
ANNUAL SEVEN-DAY MINIMUM	.16	.18	.11
INSTANTANEOUS PEAK FLOW		3980	5320
INSTANTANEOUS PEAK STAGE		20.97	27.37
INSTANTANEOUS LOW FLOW		.11	.01
ANNUAL RUNOFF (CFSM)	2.21	1.33	1.48
ANNUAL RUNOFF (INCHES)	29.99	18.06	20.05
10 PERCENT EXCEEDS	70	38	38
50 PERCENT EXCEEDS	3.8	1.8	2.4
90 PERCENT EXCEEDS	.22	.20	.38

e Estimated

PEARL RIVER BASIN

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02485700 HANGING MOSS CREEK AT JACKSON, MS

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.45	8.39	8.63	8.79	8.55	9.14	8.40	8.63	8.77	8.47	8.38	8.53
2	8.94	8.40	8.65	8.78	8.56	8.92	8.36	8.57	8.69	8.63	8.40	8.51
3	8.67	8.39	9.16	8.75	8.54	8.85	8.34	8.61	8.46	8.61	8.54	8.52
4	8.58	8.38	9.67	8.76	8.55	9.44	8.33	8.88	8.41	8.64	9.35	8.54
5	8.62	8.66	9.02	8.74	8.52	9.97	8.38	8.64	8.39	9.15	8.91	8.57
6	8.62	8.71	8.88	9.17	8.49	9.29	8.46	8.56	8.41	8.93	8.61	8.59
7	8.47	8.48	8.81	9.07	8.53	10.89	8.34	9.16	8.39	8.51	8.47	8.71
8	8.43	8.52	8.80	8.88	8.56	9.41	8.29	9.42	8.41	8.37	8.45	8.80
9	8.66	8.81	8.88	8.81	8.56	9.00	8.26	9.33	8.38	8.29	8.81	8.79
10	8.42	9.08	9.53	8.80	8.72	8.89	8.27	8.84	8.33	8.46	8.81	8.75
11	8.85	8.81	9.07	8.78	8.76	8.82	9.43	8.63	8.36	8.39	8.53	8.82
12	9.47	8.68	8.90	8.69	8.70	8.78	8.82	8.49	8.55	8.35	8.41	8.81
13	8.95	8.59	8.84	8.73	8.56	8.73	8.50	8.41	8.32	8.39	8.37	8.83
14	8.76	8.51	9.02	8.72	8.58	9.53	8.31	8.40	8.21	8.46	8.35	8.83
15	8.61	8.44	9.06	8.76	8.61	11.08	8.25	8.40	8.30	8.41	8.35	8.93
16	8.58	8.42	9.83	8.66	9.03	9.42	8.26	8.48	8.35	8.32	8.45	8.68
17	8.64	8.45	9.23	8.61	9.23	9.20	8.34	8.39	8.30	8.33	8.49	8.43
18	8.57	8.55	8.98	9.14	9.00	9.01	8.38	8.56	8.29	8.76	8.48	8.47
19	8.82	8.63	8.87	9.31	8.94	8.86	8.41	8.81	8.23	8.62	8.43	8.60
20	9.49	8.63	8.84	8.90	8.92	8.78	10.55	8.55	8.30	8.41	8.49	8.71
21	9.38	8.71	8.98	8.78	8.82	8.75	11.27	8.42	8.51	---	8.76	9.04
22	9.60	8.64	9.07	8.78	8.74	8.68	10.71	8.40	8.35	---	8.82	8.88
23	8.90	8.61	8.92	9.05	8.65	8.62	14.98	8.38	8.36	---	8.58	8.71
24	8.55	8.64	8.86	8.87	8.61	8.57	15.14	8.40	8.87	---	8.55	8.58
25	8.28	8.65	8.82	8.76	8.58	8.52	14.08	8.41	8.55	8.36	8.54	8.56
26	8.26	8.69	8.79	8.71	8.53	8.48	12.03	8.42	8.87	8.34	8.53	8.57
27	8.37	9.24	8.78	9.14	8.82	8.89	11.23	8.37	8.51	8.44	8.53	8.62
28	8.41	9.53	8.77	9.26	9.55	8.81	11.05	8.50	8.48	8.59	8.53	8.64
29	8.42	8.88	8.85	8.93	---	8.68	11.02	9.27	8.44	8.75	8.53	8.64
30	8.39	8.67	8.79	8.78	---	8.55	9.33	9.18	8.43	8.48	8.54	8.64
31	8.40	---	8.76	8.62	---	8.46	---	9.00	---	8.42	8.53	---
MEAN	8.70	8.66	8.97	8.86	8.72	9.07	9.72	8.66	8.44	---	8.57	8.68
MAX	9.60	9.53	9.83	9.31	9.55	11.08	15.14	9.42	8.87	---	9.35	9.04
MIN	8.26	8.38	8.63	8.61	8.49	8.46	8.25	8.37	8.21	---	8.35	8.43

02486000 PEARL RIVER AT JACKSON, MS

LOCATION.--Lat 32°16'54", Long 90°10'43", in 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 mi².

PERIOD OF RECORD.--June 1901 to December 1912 (prior to October 1901 and for 1913 water year, gage heights only), August 1928 to current year. Daily mean gage heights published since October 1971. Gage-height records collected at Woodrow Wilson Bridge, 0.6 mi upstream, 1904 to 1971 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 662: Drainage area. WSP 1504: 1903, 1909. WSP 1906: 1902(M). WDR MS-87-1: 1984.

GAGE.--Water-stage recorder. Datum of gage is 233.70 ft above sea level. Prior to Dec. 31, 1913, and Aug. 15, 1928 to Sept. 14, 1934, nonrecording gage. Prior to Oct. 1, 1975, at site at Woodrow Wilson Bridge, 0.6 mi upstream, at datum 1.20 ft higher. Since Oct. 1, 1962, supplementary water-stage recorder and concrete control at Jackson waterworks pumping plant, 3.8 mi upstream (channel change). Datum of supplementary gage is 239.40 ft above sea level.

REMARKS.--No estimated daily discharges. Records good. About 48 ft³/s is diverted upstream from station for municipal water supply for City of Jackson, most of which was returned to river and included in discharge records prior to the opening of the City of Jackson Waste Water Treatment Plant at Savannah Street Extension in 1975. Flow regulated since Sept. 27, 1961, by Ross R. Barnett Reservoir, 15 mi upstream. 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 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	356	1620	2030	2200	2680	5430	1650	20100	6670	471	301	308
2	552	1900	2120	2450	2930	4690	1880	15000	7620	442	269	306
3	428	1440	2960	3000	2630	6140	1790	11200	7770	417	303	304
4	364	709	5150	2540	1600	4530	1020	7790	7810	437	1250	308
5	357	633	3860	1390	1820	7500	1120	4260	5930	1010	1160	309
6	356	1070	5240	2440	2300	7950	1240	798	2880	968	3490	306
7	353	1400	3810	4690	1960	11700	861	1260	715	362	3690	303
8	356	994	3600	5160	1510	15700	660	2560	783	321	3230	301
9	395	1060	3600	4600	1350	16400	504	4060	1640	318	2230	300
10	375	2120	3890	3970	1250	18200	929	1050	1450	334	1550	297
11	593	1810	2640	3080	2870	18700	3400	505	968	307	1330	301
12	1960	1640	2570	3320	3030	18800	2600	414	577	295	1130	300
13	2990	1630	3790	3670	4290	19200	2140	395	520	355	535	297
14	2210	1610	3170	2690	3900	18600	1950	378	485	389	387	298
15	2150	1610	3020	2250	2760	19600	1240	363	475	317	601	354
16	2150	1610	3050	3030	3350	19400	1790	361	463	280	615	327
17	2150	1610	4380	3140	5190	18700	1710	351	457	272	404	297
18	2150	1600	3400	3140	3910	18200	922	429	453	553	354	279
19	2090	1380	3480	6690	6520	16100	582	2340	446	341	351	278
20	2050	620	2690	6080	6910	14600	1310	593	450	504	344	282
21	2870	980	2880	5880	6460	12500	11800	338	481	632	420	617
22	3360	1470	2590	5900	6330	10200	16900	324	445	310	501	618
23	2770	823	2840	5710	5520	9070	30000	313	432	282	352	320
24	2570	554	2390	5380	4860	8070	41200	307	928	272	325	296
25	2570	535	2240	5930	3670	6450	39700	313	570	267	316	290
26	2320	833	2220	5830	2310	4550	32100	297	532	265	314	290
27	1700	1350	2210	4830	3360	3970	28800	298	445	325	310	288
28	1660	3280	2210	5380	5280	3700	27100	330	432	343	309	285
29	1660	3630	2470	4730	---	2660	27200	1350	413	482	319	310
30	1650	3170	2740	4030	---	2290	24600	1820	403	290	313	308
31	1350	---	2310	3550	---	2380	---	3170	---	275	310	---
TOTAL	48865	44691	95550	126680	100550	345980	308698	83067	53643	12436	27313	9677
MEAN	1576	1490	3082	4086	3591	11160	10290	2680	1788	401	881	323
MAX	3360	3630	5240	6690	6910	19600	41200	20100	7810	1010	3690	618
MIN	353	535	2030	1390	1250	2290	504	297	403	265	269	278
CFSM	.50	.47	.97	1.29	1.13	3.52	3.25	.85	.56	.13	.28	.10
IN.	.57	.52	1.12	1.49	1.18	4.06	3.62	.97	.63	.15	.32	.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 1995, BY WATER YEAR (WY)

	MEAN	1030	2065	5947	8568	8849	9579	9794	5085	1432	1102	951	767
MAX	8174	6663	26640	28310	24940	23560	34330	22880	6041	6454	7996	6790	
(WY)	1976	1980	1983	1974	1983	1980	1979	1983	1989	1989	1975	1979	
MIN	94.7	85.3	271	653	1532	1728	448	280	133	180	197	138	
(WY)	1964	1964	1963	1986	1986	1967	1986	1992	1963	1984	1969	1963	

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1962 - 1995

ANNUAL TOTAL	1675728	1257150	
ANNUAL MEAN	4591	3444	
HIGHEST ANNUAL MEAN			4577
LOWEST ANNUAL MEAN			12000
HIGHEST DAILY MEAN			942
LOWEST DAILY MEAN	33000	Jan 30	41200
ANNUAL SEVEN-DAY MINIMUM	303	May 29	265
INSTANTANEOUS PEAK FLOW	323	Jul 3	295
INSTANTANEOUS PEAK STAGE			43400
ANNUAL RUNOFF (CFSM)	1.45		34.68
ANNUAL RUNOFF (INCHES)	19.66		1.09
10 PERCENT EXCEEDS	14700		14.75
50 PERCENT EXCEEDS	1900		7550
90 PERCENT EXCEEDS	351		1630
			308
			254
			43.28
			1.44
			19.61
			13300
			1290
			254

PEARL RIVER BASIN

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02486000 PEARL RIVER AT JACKSON, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.33	7.47	8.45	8.85	9.89	13.37	8.17	28.64	17.40	4.72	4.07	4.16
2	4.94	8.15	8.68	9.38	10.43	12.01	8.67	26.11	19.00	4.62	3.93	4.16
3	4.59	7.03	10.46	10.57	9.77	15.23	8.47	23.06	19.25	4.53	4.07	4.15
4	4.36	5.01	14.67	9.57	7.43	13.47	6.59	19.23	19.30	4.60	7.06	4.16
5	4.33	4.77	12.12	6.90	7.96	18.79	6.87	13.24	16.09	6.12	6.87	4.17
6	4.33	6.05	14.37	9.33	9.06	19.50	7.23	6.40	10.58	6.23	11.78	4.16
7	4.32	6.92	11.72	13.82	8.30	23.51	6.13	7.61	5.55	4.31	12.16	4.14
8	4.33	5.84	11.30	14.70	7.22	26.52	5.49	10.19	5.74	4.15	11.34	4.13
9	4.47	6.02	11.30	13.68	6.80	26.94	4.95	12.85	8.05	4.14	9.38	4.12
10	4.40	8.67	11.96	12.50	6.50	27.87	6.32	7.13	7.62	4.20	7.91	4.11
11	4.98	7.94	9.74	10.74	10.28	28.09	11.51	5.46	6.32	4.09	7.39	4.13
12	8.30	7.53	9.60	11.23	10.63	28.15	10.00	5.13	5.10	4.04	6.88	4.13
13	10.53	7.50	12.16	11.92	13.08	28.30	9.14	5.05	4.90	4.26	5.01	4.11
14	8.86	7.47	10.91	9.91	12.35	28.02	8.81	4.99	4.78	4.41	4.48	4.12
15	8.74	7.47	10.61	8.97	10.06	28.49	7.22	4.93	4.74	4.13	5.25	4.33
16	8.73	7.45	10.63	10.58	11.26	28.42	8.46	4.93	4.70	3.98	5.30	4.24
17	8.74	7.45	13.22	10.84	14.74	28.09	8.28	4.88	4.68	3.95	4.54	4.12
18	8.74	7.44	11.34	10.80	12.36	27.86	6.30	5.16	4.66	4.91	4.35	4.04
19	8.60	6.87	11.52	17.45	17.13	26.74	5.22	9.84	4.63	4.23	4.34	4.04
20	8.40	4.73	9.91	16.33	17.84	25.82	6.71	5.72	4.65	4.69	4.31	4.05
21	10.28	5.75	10.31	15.98	17.02	24.34	23.47	4.83	4.76	5.25	4.58	5.08
22	11.29	7.10	9.70	16.01	16.80	22.20	27.14	4.78	4.63	4.11	4.89	5.25
23	10.09	5.35	10.24	15.66	15.33	20.97	31.91	4.73	4.58	3.99	4.34	4.21
24	9.67	4.52	9.26	15.10	14.16	19.65	34.32	4.70	6.14	3.95	4.23	4.11
25	9.66	4.45	8.93	16.05	11.91	17.01	34.05	4.72	5.07	3.93	4.20	4.09
26	9.10	5.33	8.90	15.88	8.78	13.64	32.54	4.66	4.94	3.92	4.19	4.08
27	7.69	6.78	8.87	14.11	10.38	12.61	31.69	4.67	4.63	4.15	4.17	4.08
28	7.59	11.13	8.87	15.08	13.40	12.14	31.24	4.80	4.58	4.21	4.17	4.06
29	7.57	11.83	9.44	13.91	---	10.20	31.25	7.20	4.52	4.74	4.21	4.17
30	7.55	10.91	10.03	12.62	---	9.50	30.41	8.81	4.47	4.02	4.18	4.17
31	6.80	---	9.08	11.68	---	9.71	---	11.33	---	3.96	4.17	---
MEAN	7.30	7.03	10.59	12.59	11.46	20.88	15.29	8.90	7.54	4.40	5.73	4.20
MAX	11.29	11.83	14.67	17.45	17.84	28.49	34.32	28.64	19.30	6.23	12.16	5.25
MIN	4.32	4.45	8.45	6.90	6.50	9.50	4.95	4.66	4.47	3.92	3.93	4.04

WTR YR 1995 MEAN 9.66 MAX 34.32 MIN 3.92

02488000 PEARL RIVER AT ROCKPORT, MS

LOCATION.--Lat 31°47'25", long 90°08'35", in SW1/4 sec.31, T.10 N., R.11 E., Washington Meridian, Copiah County, Hydrologic Unit 03180003, on downstream side of bridge on county road between Rockport and Shivers, approximately 1.0 mi upstream from Sinkler Creek, 2.0 mi south of Rockport, 7.5 mi downstream from Strong River, and 221.7 mi upstream from the mouth.

DRAINAGE AREA.--4,556 mi².

PERIOD OF RECORD.--October 1938 to September 1951, (monthly discharge only prior to June 1939), October 1984 to current year. Daily mean gage heights published since October 1984.

GAGE.--Water-stage recorder. Datum of gage is 180.19 ft above sea level.

REMARKS.--Estimated daily discharge: May 2. Records good. Flow regulated since September 27, 1961 by Ross R. Barnett Reservoir, about 80 mi upstream. Statistics shown below are for water years 1985 to current year, except instantaneous extremes, which are shown for the entire period of record. Telemeter and satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1979, reached a stage of 42.83 ft. from floodmarks.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 18,000 ft³/s, and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Mar. 9	1845	23,200	23.43	Apr. 27	0515	*44,200	*30.89
Mar. 16	0445	37,700	29.17				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	611	1810	4280	3350	5540	10800	3580	30000	5400	755	800	654
2	626	1740	3060	3140	4420	10700	2930	e28000	8390	813	684	647
3	693	2130	2790	3130	4280	8020	2760	25100	9580	845	629	637
4	908	1930	5500	3680	4150	8200	2760	20800	9020	1480	635	631
5	766	1360	7860	3500	2880	9450	2290	14700	8870	1220	989	625
6	679	919	6300	2360	2580	15200	1730	8400	7820	1960	2280	630
7	641	900	6200	3560	3140	16800	1990	3900	5210	2670	3630	632
8	632	1470	5030	5940	3050	21800	1900	2980	2670	1620	4720	631
9	726	1410	4420	6670	2550	23200	1500	3960	1520	983	3910	626
10	928	1260	4470	6090	2240	23000	1300	5910	1810	772	3200	623
11	899	2210	5480	5560	1950	22000	1950	3750	2130	707	2360	621
12	1130	2480	4630	4560	3270	20800	6120	2270	2030	693	1920	620
13	2610	2090	3660	4540	4410	19900	5870	1720	1460	650	1680	628
14	3730	1980	4620	4820	5190	20200	3660	1500	1100	625	1440	639
15	3120	1940	4290	4260	5610	34300	3350	1370	986	721	990	666
16	2780	1900	5600	3510	4510	37200	2450	1280	915	879	861	651
17	2720	1880	10200	3900	8120	35500	2270	1220	877	721	975	686
18	2740	1880	8560	4590	12200	30800	2630	1160	846	604	1020	714
19	2740	1870	5870	7630	10700	26900	1940	2520	822	627	859	655
20	2710	1800	5190	10900	11100	23700	1390	5330	799	1170	741	631
21	2660	1260	4040	9700	11000	20600	3780	3880	793	872	722	631
22	3770	835	4190	8320	9690	17800	12700	2150	800	1300	756	937
23	4150	1450	3980	8210	9040	14800	28100	1410	811	1060	869	2080
24	3990	1340	4090	8320	8170	12100	36200	1170	811	720	930	1480
25	3400	927	3640	7650	7270	10600	39700	1060	972	617	775	1030
26	3210	709	3220	7620	6060	8860	42900	1010	1470	605	693	828
27	2990	689	3070	8640	4390	6770	43600	964	1160	587	675	756
28	2340	2650	2990	11200	5280	5570	39700	957	928	562	660	722
29	2080	4940	2970	9810	---	5230	35600	1160	843	691	657	702
30	2040	4880	3120	7980	---	4350	32200	4820	779	978	652	689
31	2010	---	3520	6400	---	3660	---	7420	---	1040	659	---
TOTAL	65029	54639	146840	189540	162790	528810	368850	191871	81622	29547	42371	22702
MEAN	2098	1821	4737	6114	5814	17060	12290	6189	2721	953	1367	757
MAX	4150	4940	10200	11200	12200	37200	43600	30000	9580	2670	4720	2080
MIN	611	689	2790	2360	1950	3660	1300	957	779	562	629	620
CFSM	.46	.40	1.04	1.34	1.28	3.74	2.70	1.36	.60	.21	.30	.17
IN.	.53	.45	1.20	1.55	1.33	4.32	3.01	1.57	.67	.24	.35	.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 1995, BY WATER YEAR (WY)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	
MEAN	1193	4112	5715	10600	14640	12020	9798	6997	3335	2116	1395	928
MAX	2885	6762	11960	32180	38420	24140	30040	31840	10180	7113	3272	2422
(WY)	1986	1994	1987	1990	1990	1987	1991	1991	1989	1989	1992	1992
MIN	428	594	848	1424	2741	5841	1215	747	503	598	538	497
(WY)	1991	1991	1988	1986	1986	1992	1986	1992	1988	1988	1986	1986

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1985 - 1995

ANNUAL TOTAL	2540224	1884611	6139
ANNUAL MEAN	6960	5163	9752
HIGHEST ANNUAL MEAN			2418
LOWEST ANNUAL MEAN			1988
HIGHEST DAILY MEAN	40600	43600	64500
LOWEST DAILY MEAN	596	562	319
ANNUAL SEVEN-DAY MINIMUM	614	626	329
INSTANTANEOUS PEAK FLOW		44200	65000
INSTANTANEOUS PEAK STAGE		30.89	35.66
INSTANTANEOUS LOW FLOW		552	267
ANNUAL RUNOFF (CFSM)	1.53	1.13	1.35
ANNUAL RUNOFF (INCHES)	20.74	15.39	18.31
10 PERCENT EXCEEDS	22500	11000	17000
50 PERCENT EXCEEDS	2780	2550	2370
90 PERCENT EXCEEDS	726	664	559

e Estimated

02488000 PEARL RIVER AT ROCKPORT, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.37	7.60	10.52	9.54	11.41	15.39	10.15	26.55	11.80	5.74	5.84	5.22
2	5.41	7.51	9.21	9.30	10.30	15.31	9.41	---	14.37	5.88	5.56	5.19
3	5.59	8.12	8.89	9.29	10.15	13.24	9.21	24.34	15.33	5.95	5.42	5.16
4	6.09	7.84	11.67	9.90	10.02	13.39	9.21	22.20	14.91	7.16	5.43	5.14
5	5.76	6.94	13.82	9.71	8.63	14.34	8.59	18.74	14.79	6.71	6.16	5.12
6	5.55	6.10	12.48	8.33	8.26	18.56	7.78	14.35	13.95	7.89	8.29	5.12
7	5.45	6.07	12.39	9.60	8.94	19.62	8.18	10.28	11.60	8.90	9.85	5.13
8	5.43	7.15	11.26	11.90	8.84	22.67	8.04	9.29	8.88	7.40	10.94	5.12
9	5.66	7.06	10.65	12.45	8.23	23.39	7.40	10.35	7.24	6.24	10.12	5.10
10	6.13	6.80	10.71	11.93	7.82	23.29	7.07	12.28	7.70	5.78	9.34	5.09
11	6.07	8.28	11.72	11.43	7.39	22.81	7.99	10.12	8.20	5.62	8.31	5.08
12	6.49	8.66	10.86	10.44	9.01	22.11	12.63	8.38	8.05	5.59	7.70	5.07
13	8.72	8.13	9.88	10.41	10.20	21.58	12.41	7.58	7.15	5.48	7.33	5.09
14	10.01	7.98	10.85	10.70	10.92	21.74	10.24	7.23	6.50	5.41	6.92	5.11
15	9.29	7.91	10.53	10.14	11.28	28.07	9.90	7.00	6.26	5.65	6.07	5.18
16	8.84	7.86	11.69	9.36	10.14	29.02	8.82	6.84	6.10	6.03	5.79	5.13
17	8.73	7.83	15.65	9.76	13.26	28.47	8.58	6.71	6.02	5.65	6.03	5.22
18	8.71	7.82	14.35	10.47	16.45	26.86	9.05	6.61	5.95	5.35	6.12	5.28
19	8.70	7.81	12.08	13.20	15.32	25.15	8.09	8.44	5.90	5.41	5.77	5.13
20	8.67	7.71	11.42	15.77	15.58	23.63	7.22	11.73	5.84	6.63	5.49	5.06
21	8.60	6.78	10.28	14.89	15.54	22.13	10.03	10.27	5.83	6.00	5.44	5.06
22	9.88	5.92	10.43	13.83	14.53	20.60	17.56	8.19	5.85	6.84	5.52	5.75
23	10.27	7.12	10.22	13.74	14.04	18.94	25.59	7.05	5.87	6.40	5.77	7.73
24	10.12	6.93	10.33	13.83	13.36	17.26	28.70	6.63	5.87	5.65	5.90	6.78
25	9.52	6.13	9.86	13.29	12.61	16.25	29.77	6.41	6.22	5.39	5.55	5.95
26	9.32	5.63	9.39	13.26	11.55	14.96	30.60	6.31	7.17	5.36	5.34	5.52
27	9.09	5.58	9.22	14.07	9.92	13.25	30.75	6.21	6.61	5.31	5.29	5.35
28	8.28	8.68	9.13	16.03	10.76	12.16	29.76	6.19	6.13	5.24	5.25	5.27
29	7.95	11.21	9.10	14.98	---	11.83	28.49	6.59	5.94	5.58	5.23	5.22
30	7.90	11.12	9.28	13.55	---	10.94	27.40	11.10	5.80	6.23	5.22	5.19
31	7.88	---	9.73	12.21	---	10.24	---	13.61	---	6.36	5.23	---
MEAN	7.73	7.54	10.89	11.85	11.23	19.26	14.62	---	8.26	6.09	6.52	5.35
MAX	10.27	11.21	15.65	16.03	16.45	29.02	30.75	---	15.33	8.90	10.94	7.73
MIN	5.37	5.58	8.89	8.33	7.39	10.24	7.07	---	5.80	5.24	5.22	5.06

CAL YR 1994 MEAN 11.41 MAX 30.02 MIN 5.33

LOCATION.--Lat 31°33'12", long 90°05'16", in SW1/4 sec.23, T.7 N., R.21 W., St. Stephens Meridian, Lawrence County, Hydrologic Unit 03180003, near left bank on downstream side of pier of bridge on U.S. Highway 84, 1.0 mi east of Monticello, 2.5 mi upstream from Halls Creek, 4.1 mi upstream from Silver Creek and at mile 190.8.

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.

GAGE.--Water-stage recorder. Datum of gage is 158.66 ft above sea level (levels by U. S. Army Corps of Engineers). Prior to Dec. 12, 1938, nonrecording gage, Dec. 12, 1938, to Jan. 10, 1949, water-stage recorder, and Jan. 11, 1949 to Oct. 16, 1952, nonrecording gage, all at same site and datum.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1902 reached a stage of about 33 ft, from reports of National Weather Service, discharge, about 100,000 ft³/s. from rating curve extended above 70,000 ft³/s.

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Mar. 10	0900	25,300	20.65	Apr. 28	0715	42,500	25.90
Mar. 16	1445	*43,400	*26.11				

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	727	2180	4870	3720	6140	8760	4670	34800	7300	1130	1200	e720
2	738	1940	3890	3450	4990	11300	4160	e32400	8820	1090	1080	e700
3	781	2140	3200	3320	4320	8610	3590	30200	11000	1100	1000	e680
4	897	2350	5500	3650	4360	7730	3600	27500	10400	1210	953	e660
5	1030	2020	8450	3880	3530	8040	3320	22600	10200	1870	950	e650
6	878	1580	7560	3170	2710	13000	2590	14500	9570	1850	1720	e640
7	795	1220	6710	2780	2910	17700	2540	6850	7200	3240	3120	e630
8	782	1350	5960	5070	3210	e23600	2610	4190	4280	2680	4820	633
9	990	1830	4910	6420	2860	e25600	2210	4530	2430	1890	4470	641
10	1060	2920	4900	6090	2450	23500	1900	6640	1980	1390	3970	623
11	1160	2630	6200	5710	2240	24500	4100	5520	2670	1130	3100	614
12	1610	3070	5900	4760	2540	23200	7970	3670	2700	1020	2420	612
13	2200	2740	4260	4360	4070	21800	8180	2940	2270	980	2200	614
14	3630	2440	4530	4560	4480	22500	5300	2410	1720	948	2140	626
15	3710	2340	4790	4510	5390	37000	4510	2100	1460	934	1640	688
16	3100	2270	4710	3670	4590	42800	3690	1920	1330	951	1220	672
17	2900	2230	11300	3440	5460	42600	2990	1810	1250	1050	1100	686
18	2870	2210	11500	4540	10600	39900	3310	1720	1220	996	1120	774
19	2850	2190	7530	9940	11500	35400	3050	1730	1160	934	1150	698
20	2870	2180	6040	11500	11100	30700	2310	5180	1130	1010	1070	650
21	3460	1950	4810	11000	11200	27000	6180	5290	1110	1380	990	636
22	3840	1360	4460	9190	9870	23500	11700	3480	1110	1180	950	1310
23	4300	1220	4390	8770	8820	20000	24300	2250	1120	1560	937	1780
24	4450	1780	4340	9050	8040	16200	34300	1810	1130	1260	968	2040
25	3850	1450	4170	8130	7110	13400	38000	1590	1320	1080	1030	1380
26	3460	1130	3660	7650	6100	11300	39800	1470	1460	979	975	1020
27	3310	949	3410	9870	4610	9010	41600	1420	1720	e940	e890	851
28	2890	1570	3300	15200	4200	7040	42000	1370	1570	e930	e850	775
29	2390	4700	3250	12700	---	6570	40300	1640	1340	e920	e820	730
30	2270	5240	3280	9620	---	6430	37600	3560	1210	e910	e780	690
31	2250	---	3640	7290	---	5180	---	8860	---	1300	e750	---
TOTAL	72048	65179	165420	207010	159400	613870	392380	245950	103180	39842	50383	24423
MEAN	2324	2173	5336	6678	5693	19800	13080	7934	3439	1285	1625	814
MAX	4450	5240	11500	15200	11500	42800	42000	34800	11000	3240	4	

MEAN	1855	3172	8670	12820	14130	14630	15420	8892	2938	2038	1842	1395
MAX	9167	8443	37130	36890	43290	29990	51710	40240	11740	7516	10920	7323
(WY)	1976	1994	1983	1974	1990	1980	1980	1991	1983	1989	1975	1979
MIN	305	356	728	1522	3186	2950	1551	800	650	602	486	482
(WY)	1964	1964	1963	1986	1970	1967	1967	1963	1988	1969	1969	1963

ANNUAL TOTAL	2886759		2139085				
ANNUAL MEAN	7909		5861			7283	
HIGHEST ANNUAL MEAN						17210	1983
LOWEST ANNUAL MEAN						2001	1963
HIGHEST DAILY MEAN	52600	Jan 29	42800	Mar 16	121000		Apr 20 1979
LOWEST DAILY MEAN	727	Oct 1	612	Sep 12	269		Oct 24 1963
ANNUAL SEVEN-DAY MINIMUM	778	Sep 27	623	Sep 8	274		Oct 21 1963
INSTANTANEOUS PEAK FLOW			43400	Mar 16	122000		Apr 20 1979
INSTANTANEOUS PEAK STAGE			26.11	Mar 16	34.08		Apr 20 1979
INSTANTANEOUS LOW FLOW			610	Sep 11-13	269		Oct 24 1963
ANNUAL RUNOFF (CFSM)	1.58		1.17			1.46	
ANNUAL RUNOFF (INCHES)	21.51		15.94			19.82	
10 PERCENT EXCEEDS	24000		12100		20600		
50 PERCENT EXCEEDS	3330		2940		2650		
90 PERCENT EXCEEDS	910		894		670		

e Estimated

PEARL RIVER BASIN

02488500 PEARL RIVER NEAR MONTICELLO, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.73	6.95	9.64	8.60	10.66	12.46	9.47	23.92	11.50	5.47	5.58	---
2	4.75	6.64	8.75	8.34	9.73	14.03	9.01	---	12.52	5.40	5.37	---
3	4.83	6.90	8.08	8.20	9.16	12.39	8.48	22.54	13.90	5.42	5.24	---
4	5.05	7.15	10.12	8.54	9.20	11.81	8.48	21.49	13.55	5.59	5.16	---
5	5.29	6.74	12.29	8.76	8.41	12.02	8.20	19.51	13.30	6.55	5.15	---
6	5.02	6.16	11.69	8.05	7.56	15.00	7.42	15.75	12.93	6.51	6.30	---
7	4.86	5.60	11.09	7.62	7.78	17.36	7.37	11.14	11.42	8.12	7.99	---
8	4.84	5.81	10.52	9.79	8.09	---	7.45	9.04	9.10	7.51	9.59	4.53
9	5.22	6.49	9.68	10.87	7.72	---	6.98	9.35	7.23	6.58	9.29	4.55
10	5.35	7.76	9.67	10.63	7.27	19.89	6.59	11.03	6.70	5.87	8.84	4.51
11	5.51	7.47	10.71	10.33	7.01	20.33	8.73	10.16	7.52	5.46	7.97	4.49
12	6.19	7.95	10.47	9.55	7.35	19.80	11.98	8.55	7.55	5.28	7.22	4.48
13	6.95	7.59	9.10	9.19	8.93	19.22	12.11	7.82	7.05	5.21	6.96	4.49
14	8.50	7.25	9.34	9.37	9.30	19.48	9.98	7.22	6.35	5.15	6.89	4.52
15	8.59	7.13	9.57	9.33	10.07	24.47	9.32	6.85	5.98	5.12	6.23	4.65
16	7.98	7.06	9.48	8.55	9.39	25.99	8.57	6.62	5.78	5.15	5.61	4.61
17	7.77	7.00	14.03	8.33	10.06	25.92	7.86	6.47	5.66	5.33	5.42	4.64
18	7.73	6.98	14.16	9.34	13.65	25.25	8.20	6.35	5.61	5.23	5.45	4.82
19	7.71	6.96	11.66	13.23	14.16	24.07	7.92	6.36	5.52	5.12	5.49	4.67
20	7.73	6.94	10.59	14.17	13.92	22.69	7.10	9.87	5.46	5.26	5.36	4.57
21	8.35	6.65	9.59	13.89	14.02	21.30	10.58	9.98	5.43	5.86	5.22	4.54
22	8.71	5.82	9.28	12.69	13.20	19.91	14.24	8.35	5.42	5.54	5.15	5.73
23	9.14	5.60	9.22	12.50	12.54	18.40	20.12	7.02	5.45	6.13	5.13	6.40
24	9.28	6.42	9.18	12.68	12.02	16.63	23.79	6.47	5.47	5.68	5.18	6.76
25	8.72	5.96	9.03	12.08	11.38	15.21	24.78	6.17	5.77	5.37	5.30	5.85
26	8.35	5.45	8.54	11.76	10.63	14.07	25.22	6.00	5.97	5.20	5.20	5.27
27	8.20	5.14	8.30	13.13	9.41	12.65	25.67	5.91	6.35	---	---	4.97
28	7.75	6.05	8.19	16.18	9.04	11.33	25.79	5.84	6.14	---	---	4.82
29	7.19	9.48	8.14	14.80	---	10.98	25.36	6.24	5.80	---	---	4.73
30	7.06	9.95	8.17	13.04	---	10.88	24.66	8.29	5.60	---	---	4.65
31	7.03	---	8.52	11.50	---	9.90	---	12.56	---	5.73	---	---
MEAN	6.92	6.83	9.90	10.81	10.06	---	13.05	---	7.73	---	---	---
MAX	9.28	9.95	14.16	16.18	14.16	---	25.79	---	13.90	---	---	---
MIN	4.73	5.14	8.08	7.62	7.01	---	6.59	---	5.42	---	---	---

02488700 WHITESAND CREEK NEAR OAK VALE, MS

LOCATION.--Lat 31°28'14", long 89°58'25", in 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, 1.2 mi upstream from Illinois Central and Gulf Railroad bridge, 2.3 mi north of Oak Vale, and 3.7 mi upstream from mouth.

DRAINAGE AREA.--130 mi².

PERIOD OF RECORD.--September 1965 to current year. 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 sea level (Mississippi Department of Transportation bench mark).

REMARKS.--Estimated daily discharges: Mar. 27 - Apr. 5, Aug. 21-28. 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 ft³/s. Maximum stage known since at least 1879, 20 1/4 ft in April 1900, and flood in January 1925 reached a stage of 17.3 ft from information by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft³/s, and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Apr. 24	0745	*3,330	*9.19	No other peaks greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	114	116	127	153	193	475	e230	153	500	118	123	105
2	117	114	123	149	179	276	e200	147	821	120	119	106
3	118	113	154	143	171	203	e190	142	339	123	112	106
4	115	114	452	140	159	178	e180	145	213	138	117	107
5	113	119	300	141	153	285	e170	145	172	128	122	110
6	111	132	206	156	147	288	167	141	158	133	118	110
7	111	128	166	273	145	814	159	136	151	125	112	110
8	122	118	152	197	144	2130	155	206	147	118	108	108
9	162	118	147	166	141	1050	153	579	143	116	106	108
10	167	191	167	155	143	374	149	283	140	115	105	108
11	141	200	227	153	160	266	568	180	140	114	104	109
12	189	146	185	152	212	222	548	198	149	113	104	109
13	174	129	158	154	176	201	265	257	145	114	105	110
14	139	123	147	162	153	473	197	192	136	114	109	113
15	127	120	141	163	149	2260	174	161	131	113	106	121
16	122	119	153	153	156	1250	163	152	128	113	103	117
17	120	118	356	146	158	832	157	146	127	115	102	109
18	120	117	257	172	172	524	154	141	126	114	101	114
19	119	117	185	632	194	370	151	140	125	128	101	109
20	121	116	161	418	286	286	151	135	124	126	103	106
21	158	115	153	223	217	245	317	132	127	118	e120	110
22	186	113	151	187	170	218	482	131	126	113	e110	115
23	180	111	150	337	152	200	2140	130	123	111	e110	112
24	141	110	146	280	146	185	2650	129	126	110	e110	109
25	126	111	143	204	144	174	643	128	129	109	e110	107
26	120	116	139	181	140	166	287	129	123	109	e100	108
27	117	121	137	499	139	e190	219	128	120	110	e100	106
28	116	221	138	872	247	e210	194	132	119	108	e100	106
29	116	204	147	501	---	e350	175	196	119	106	101	107
30	116	145	167	285	---	e410	162	257	118	108	102	105
31	117	---	158	220	---	e270	---	246	---	115	104	---
TOTAL	4115	3935	5593	7767	4746	15375	11550	5517	5345	3615	3347	3280
MEAN	133	131	180	251	169	496	385	178	178	117	108	109
MAX	189	221	452	872	286	2260	2650	579	821	138	123	121
MIN	111	110	123	140	139	166	149	128	118	106	100	105
CFSM	1.02	1.01	1.39	1.93	1.30	3.82	2.96	1.37	1.37	.90	.83	.84
IN.	1.18	1.13	1.60	2.22	1.36	4.40	3.31	1.58	1.53	1.03	.96	.94

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1995, BY WATER YEAR (WY)

	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
MEAN	123	147	204	301	318	335	330	244	147	133	124	123																			
MAX	423	503	407	810	746	844	1173	810	289	315	307	279																			
(WY)	1985	1994	1983	1990	1966	1973	1974	1990	1989	1981	1975	1979																			
MIN	72.6	78.9	109	116	112	118	104	109	89.3	72.8	80.8	74.7																			
(WY)	1968	1968	1966	1970	1968	1967	1970	1988	1972	1968	1972	1970																			

SUMMARY STATISTICS FOR 1994 CALENDAR YEAR FOR 1995 WATER YEAR WATER YEARS 1965 - 1995

	1994 CALENDAR YEAR	1995 WATER YEAR	WATER YEARS 1965 - 1995
ANNUAL TOTAL	87271	74185	
ANNUAL MEAN	239	203	210
HIGHEST ANNUAL MEAN			339
LOWEST ANNUAL MEAN			102
HIGHEST DAILY MEAN	8230	Jan 28	2650
LOWEST DAILY MEAN	110	Nov 24	100
ANNUAL SEVEN-DAY MINIMUM	113	Nov 20	102
INSTANTANEOUS PEAK FLOW			3330
INSTANTANEOUS PEAK STAGE			9.19
INSTANTANEOUS LOW FLOW			96
ANNUAL RUNOFF (CFSM)	1.84		1.56
ANNUAL RUNOFF (INCHES)	24.97		21.23
10 PERCENT EXCEEDS	332		286
50 PERCENT EXCEEDS	149		141
90 PERCENT EXCEEDS	118		109

e Estimated

02488700 WHITESAND CREEK NEAR OAK VALE, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.88	3.92	3.98	4.00	4.14	4.97	---	4.09	4.97	3.96	3.98	3.91
2	3.90	3.91	3.95	3.98	4.10	4.43	---	4.06	5.77	3.97	3.97	3.92
3	3.91	3.91	4.07	3.96	4.07	4.20	---	4.04	4.68	3.98	3.93	3.92
4	3.90	3.92	4.97	3.94	4.02	4.12	---	4.05	4.30	4.05	3.96	3.92
5	3.89	3.94	4.56	3.94	4.00	4.47	---	4.06	4.16	4.00	3.98	3.94
6	3.88	3.99	4.26	4.00	3.97	4.48	4.13	4.04	4.11	4.02	3.96	3.94
7	3.88	3.98	4.12	4.40	3.97	5.52	4.10	4.02	4.08	3.99	3.93	3.94
8	3.93	3.94	4.06	4.14	3.96	7.77	4.08	4.24	4.06	3.96	3.92	3.94
9	4.10	3.94	4.04	4.03	3.95	6.07	4.08	5.28	4.05	3.95	3.91	3.94
10	4.12	4.22	4.11	3.99	3.96	4.73	4.07	4.52	4.04	3.95	3.90	3.94
11	4.02	4.26	4.32	3.98	4.03	4.43	5.18	4.19	4.04	3.94	3.90	3.94
12	4.20	4.06	4.18	3.97	4.22	4.29	5.20	4.25	4.07	3.94	3.90	3.94
13	4.15	3.99	4.07	3.98	4.09	4.21	4.47	4.45	4.05	3.95	3.90	3.94
14	4.02	3.97	4.02	4.01	4.01	4.81	4.25	4.23	4.02	3.95	3.92	3.96
15	3.97	3.95	4.00	4.01	3.99	7.94	4.17	4.11	4.00	3.94	3.91	3.99
16	3.95	3.94	4.04	3.98	4.02	6.46	4.13	4.07	4.00	3.94	3.90	3.98
17	3.94	3.94	4.68	3.96	4.02	5.75	4.11	4.05	3.99	3.95	3.89	3.94
18	3.94	3.94	4.39	4.04	4.08	5.12	4.10	4.03	3.98	3.94	3.88	3.96
19	3.94	3.94	4.16	5.29	4.16	4.73	4.09	4.02	3.98	4.00	3.88	3.94
20	3.95	3.93	4.07	4.78	4.46	4.50	4.09	4.00	3.98	4.00	3.90	3.93
21	4.09	3.93	4.03	4.24	4.24	4.37	4.63	3.99	3.99	3.96	---	3.94
22	4.20	3.92	4.02	4.11	4.08	4.29	5.07	3.99	3.99	3.94	---	3.97
23	4.18	3.91	4.02	4.58	4.01	4.23	7.68	3.98	3.97	3.93	---	3.96
24	4.03	3.90	3.99	4.42	3.99	4.18	8.39	3.98	3.99	3.93	---	3.95
25	3.97	3.91	3.98	4.18	3.98	4.14	5.39	3.98	4.00	3.92	---	3.94
26	3.94	3.93	3.96	4.09	3.96	4.11	4.55	3.98	3.98	3.92	---	3.94
27	3.93	3.96	3.95	4.90	3.96	---	4.33	3.97	3.96	3.93	---	3.94
28	3.92	4.32	3.95	5.78	4.32	---	4.24	3.99	3.96	3.92	---	3.94
29	3.92	4.27	3.98	5.00	---	---	4.17	4.23	3.96	3.91	3.90	3.94
30	3.92	4.05	4.06	4.44	---	---	4.12	4.44	3.96	3.92	3.90	3.93
31	3.93	---	4.02	4.24	---	---	---	4.40	---	3.95	3.91	---
MEAN	3.98	3.99	4.13	4.27	4.06	---	---	4.15	4.14	3.96	---	3.94
MAX	4.20	4.32	4.97	5.78	4.46	---	---	5.28	5.77	4.05	---	3.99
MIN	3.88	3.90	3.95	3.94	3.95	---	---	3.97	3.96	3.91	---	3.91

02489000 PEARL RIVER NEAR COLUMBIA, MS

LOCATION.--Lat 31°14'14", long 89°50'54", in E1/2 sec. 7, T.3 N., R.18 W., St. Stephens Meridian, Marion County, Hydrologic Unit 03180004, on downstream side of bridge on U.S. Highway 98, 1.5 mi southwest of Columbia, 2.0 mi downstream from Fernwood, Columbia and Gulf Railroad bridge, 2.2 mi upstream from Silver Creek and at mile 137.8.

DRAINAGE AREA.--5,720 mi²

PERIOD OF RECORD.--August 1928 to September 1954 (monthly discharge only for January to July 1930, published in WSP 1304). January 1972 to current year (gage heights only). Gage height records collected at same site November 1904 to December 1971 are contained in reports of National Weather Service.

GAGE.--Nonrecording gage. Datum of gage is 115.81 ft above sea level (levels by U. S. Army Corps of Engineers). Prior to August 1928, nonrecording gages at various sites and datums in the vicinity maintained by National Weather Service. August 1928 to May 26, 1934, nonrecording gage at site 1.0 mi downstream at datum 0.37 ft higher. May 26, 1934 to September 1954, water-stage recorder at present site and datum.

REMARKS.--Records furnished by National Weather Service.

AVERAGE DISCHARGE.--26 years (1928-54), 7,384 ft³/s. 17.62 in/yr.

EXTREMES FOR PERIOD OF RECORD.--1928-1954: Maximum discharge, 72,600 ft³/s, Apr. 9, 1938, gage height, 26.40 ft, minimum, 705 ft³/s, Oct. 21, 1952, gage height 0.81 ft.
1904 to current year: Maximum observed gage height, 27.8 ft, Apr. 22, 1979.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of 1874 reached a stage of about 31 ft, from information by National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum observed gage height, 19.74 ft, Mar. 18, minimum observed, .57 ft, Sept. 12, 13, 14.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY OBSERVATION AT 06:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.37	2.76	5.01	4.02	6.93	5.24	5.80	18.16	7.05	1.37	1.27	.69
2	1.36	2.73	4.78	4.13	6.17	7.89	5.21	17.46	7.50	1.33	1.33	.70
3	1.37	2.54	4.22	3.88	5.33	8.85	4.82	16.80	7.62	1.29	1.11	.67
4	1.39	2.58	4.41	3.73	4.76	7.60	4.38	16.01	8.13	1.42	1.01	.65
5	1.43	2.84	5.85	3.93	4.74	7.20	4.32	15.31	7.74	1.43	1.04	.63
6	1.58	2.78	7.25	4.13	4.17	7.42	4.12	13.87	7.49	1.98	1.10	.62
7	1.53	2.41	6.69	3.97	3.48	9.58	3.58	10.98	7.19	1.80	1.49	.60
8	1.42	2.02	6.18	3.44	3.50	12.81	3.39	6.66	6.10	2.88	2.55	.59
9	1.69	1.90	5.70	4.98	3.74	14.13	3.39	5.93	4.30	2.69	3.89	.58
10	1.85	2.50	5.02	5.92	3.53	14.30	3.09	5.52	2.98	1.98	3.80	.58
11	1.85	3.52	5.18	5.73	3.26	14.02	3.16	6.18	2.36	1.50	3.52	.58
12	2.13	3.27	5.97	5.50	3.30	13.88	6.31	5.67	2.82	1.26	2.96	.57
13	2.42	3.48	5.73	4.90	3.25	13.54	7.29	4.88	2.87	1.20	2.46	.57
14	2.66	3.28	4.57	4.61	4.40	13.17	7.10	4.00	2.55	1.10	2.18	.57
15	3.60	2.98	4.66	4.72	4.62	15.16	5.40	3.31	2.08	1.05	2.14	.59
16	3.92	2.86	4.85	4.72	5.34	17.22	4.74	2.93	1.81	.97	1.74	.84
17	3.48	2.80	4.78	4.09	4.84	18.67	4.16	2.66	1.68	1.02	1.33	.70
18	3.30	2.74	8.60	3.81	5.38	19.74	3.57	2.48	1.58	1.20	1.12	.82
19	3.25	2.73	8.82	4.77	8.36	19.39	3.72	2.44	1.53	1.05	1.17	.84
20	3.25	2.70	6.79	8.33	8.96	18.49	3.56	2.25	1.46	1.00	1.21	.73
21	3.41	2.70	5.84	8.86	8.82	17.15	4.30	4.46	1.42	1.04	1.10	.64
22	3.94	2.56	5.01	8.60	8.81	15.84	6.77	4.74	1.41	1.45	.96	.61
23	4.13	2.14	4.70	7.74	8.16	14.45	9.76	3.66	1.37	1.22	.94	.88
24	4.44	1.81	4.63	7.78	7.60	13.02	14.05	2.72	1.38	1.54	.93	1.34
25	4.50	2.25	4.56	7.75	7.16	11.45	15.93	2.27	1.40	1.33	1.02	1.93
26	4.09	2.17	4.46	7.17	6.57	10.11	17.19	2.02	1.58	1.03	1.06	1.49
27	3.74	1.90	4.05	6.97	5.94	9.14	17.75	1.88	1.61	.89	.88	1.10
28	3.62	1.82	3.82	9.78	5.06	8.05	18.12	1.78	1.86	.89	.78	.89
29	3.38	2.18	3.78	11.95	---	6.86	18.58	1.76	1.66	.89	.75	.76
30	2.95	4.60	3.77	9.92	---	7.33	18.66	2.29	1.45	.82	.73	.70
31	2.81	---	3.74	8.34	---	6.90	---	---	---	.98	.70	---
MEAN	2.77	2.65	5.27	6.07	5.58	12.21	7.74	---	3.40	1.34	1.56	.78
MAX	4.50	4.60	8.82	11.95	8.96	19.74	18.66	---	8.13	2.88	3.89	1.93
MIN	1.36	1.81	3.74	3.44	3.25	5.24	3.09	---	1.37	.82	.70	.57

PEARL RIVER BASIN

02489500 PEARL RIVER NEAR BOGALUSA, LA

LOCATION.--Lat 30°47'35", long 89°49'15", on line between secs.17 and 18, T.3 S., R.14 E., Washington Parish, Hydrologic Unit 03180004, near right bank on downstream side of bridge on State Highway 10, 2.0 mi east of Bogalusa, and 2.0 mi upstream from Bogue Lusa Creek.

DRAINAGE AREA.--6,573 mi².

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

REVISED RECORDS.--WRD LA-1981-2: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 55.00 ft above sea level (levels by Corps of Engineers). Prior to July 29, 1954, nonrecording gage at same site and datum.

REMARKS.-- No estimated daily discharge. Records good. Several measurements of water temperature were made during the year.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 11, 1938, reached a stage of 21.0 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12120	3630	5020	5350	14200	9650	14400	50900	7910	2830	2280	1860
2	2120	3550	5630	5710	10700	9740	10600	51300	11800	2770	2440	1850
3	2120	3490	5640	5750	9130	11300	8980	49400	13400	2780	2490	1840
4	2130	3360	6790	5380	7980	12800	8000	46700	12700	2810	2360	1820
5	2140	3400	7710	5170	7070	11600	7190	42900	12500	2840	2270	1800
6	2160	3860	8130	5340	6680	11400	6860	39400	11800	2820	2270	1780
7	2260	4030	9140	6480	6030	12400	6490	36200	11100	3070	2340	1760
8	2260	3570	8600	6940	5320	19700	5890	30100	10300	3100	2620	1750
9	2590	3120	7790	5890	5190	27300	5530	20100	8630	3680	3400	1750
10	3430	2980	7100	6770	5290	31300	5420	16700	6430	3750	4490	1760
11	3560	3340	6990	7870	6690	33100	7130	13300	4860	3230	4720	1770
12	3600	4070	7290	7840	8960	33600	12800	11100	4160	2810	4510	1770
13	3900	4160	7520	7460	7720	33300	13400	12800	4280	2570	4330	1780
14	3780	4150	7010	6830	6240	33900	12100	10900	4320	2460	3850	1790
15	3750	4040	5920	6540	6470	37200	10700	7650	4030	2380	3440	1820
16	4280	3790	5740	6460	6880	41000	8850	6000	3590	2330	3250	1910
17	4510	3640	6080	6260	7630	43000	7570	5210	3290	2280	2940	2180
18	4230	3560	7210	5670	7950	49000	6590	4800	3110	2380	2600	2220
19	4060	3520	11100	5610	8950	55500	5900	5460	2980	2610	2390	2200
20	4050	3500	11900	7540	11700	58100	5770	6030	2910	2710	2360	2130
21	4270	3470	9680	10800	13300	56300	6210	5190	2850	2610	2390	2050
22	4800	3460	8180	12300	13200	52200	9390	6080	2820	2550	2310	1970
23	5180	3350	6990	12300	12900	46300	12800	6510	2780	2640	2240	1940
24	5350	3040	6430	11500	11800	39700	23000	5560	2760	2530	2230	2150
25	5350	2810	6220	11100	10800	34900	30100	4670	2770	2610	2180	2590
26	5240	2980	6080	10700	10000	29500	33600	4170	2780	2540	2180	2940
27	4880	3010	5880	10600	9230	22700	36100	3910	2840	2410	2180	2790
28	4560	2870	5490	16300	8780	17600	39700	3710	2890	2330	2060	2520
29	4380	2920	5280	21800	---	14800	44000	3690	3040	2230	1970	2320
30	4140	3490	5350	22800	---	16700	48100	3960	2980	2210	1920	2190
31	3810	---	5380	19300	---	18000	---	4890	---	2210	1890	---
TOTAL	115010	104160	219270	286360	246790	923590	453170	519290	172610	83080	84900	61000
MEAN	3710	3472	7073	9237	8814	29790	15110	16750	5754	2680	2739	2033
MAX	5350	4160	11900	22800	14200	58100	48100	51300	13400	3750	4720	2940
MIN	2120	2810	5020	5170	5190	9650	5420	3690	2760	2210	1890	1750
CFSM	.56	.53	1.08	1.41	1.34	4.53	2.30	2.55	.88	.41	.42	.31
IN.	.65	.59	1.24	1.62	1.40	5.23	2.56	2.94	.98	.47	.48	.35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1995, BY WATER YEAR (WY)

MEAN	2936	4310	9962	15370	19290	20500	19730	12600	5532	4657	3826	2933
MAX	10390	16150	40080	48900	56830	46670	67290	56770	22540	26570	16710	9543
(WY)	1976	1958	1983	1974	1990	1987	1980	1991	1983	1940	1975	1979
MIN	1110	1233	1713	2174	4346	4764	3214	1926	1651	1564	1514	1246
(WY)	1964	1964	1955	1956	1970	1967	1963	1963	1963	1969	1954	1954

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1939 - 1995

ANNUAL TOTAL	4285380	3269230		
ANNUAL MEAN	11740	8957		10090
HIGHEST ANNUAL MEAN				22560
LOWEST ANNUAL MEAN				3412
HIGHEST DAILY MEAN	62900	Feb 1	58100	Mar 20
LOWEST DAILY MEAN	2120	Oct 1	1750	Sep 8,9
ANNUAL SEVEN-DAY MINIMUM	2130	Sep 30	1760	Sep 6
INSTANTANEOUS PEAK FLOW			58700	Mar 20
INSTANTANEOUS PEAK STAGE			20.73	Mar 20
INSTANTANEOUS LOW FLOW			1740	Sep 8,9
INSTANTANEOUS LOW STAGE			7.47	Sep 12,13
ANNUAL RUNOFF (CFSM)	1.79		1.36	4.84
ANNUAL RUNOFF (INCHES)	24.25		18.50	1.54
10 PERCENT EXCEEDS	34800		20800	27900
50 PERCENT EXCEEDS	5320		5210	4650
90 PERCENT EXCEEDS	2590		2200	1820

LOCATION.--Lat 31°10'37", long 90°16'48", in 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.

PERIOD OF RECORD.--August 1944 to current year.

GAGE.--Water-stage recorder. Datum of gage is 227.40 ft above sea level.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in February 1936 reached a stage about 0.1 ft higher than the flood of Apr. 7, 1983.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 28	1000	*6,740	*14.95	Apr. 27	----	unknown	unknown

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	300	358	471	404	963	e540	e695	e990	881	375	332	292
2	301	354	433	395	797	e520	e890	e895	787	363	333	294
3	305	351	435	389	707	e510	e1540	e750	581	395	321	295
4	306	349	779	381	649	e505	e1000	e660	485	373	341	289
5	307	363	1280	376	599	e1200	e760	e600	428	356	366	294
6	302	405	1030	390	564	e1000	e710	e555	399	357	383	295
7	299	450	651	451	540	e800	e675	e500	383	383	356	294
8	309	415	543	459	555	e615	e700	e475	375	398	335	291
9	385	385	493	421	e950	e2000	e800	e450	368	356	316	295
10	363	565	485	397	e655	e7000	e1110	e3500	364	340	308	292
11	374	1320	647	388	e560	e6200	e11000	e14000	366	331	303	292
12	564	1520	1070	381	e520	e4000	7550	e6000	412	324	302	293
13	791	800	738	383	e475	e2000	3220	e2080	394	318	314	296
14	678	532	564	388	e460	e1200	1890	1050	374	317	328	295
15	466	466	496	403	e600	e1010	e1000	694	358	316	316	311
16	402	433	481	398	e518	e900	e680	564	354	317	307	354
17	377	415	599	384	e490	e815	e570	503	348	313	306	347
18	365	404	926	481	e450	e10100	e520	467	343	314	e310	379
19	359	397	730	3340	e440	e9000	e480	462	343	339	e315	322
20	366	392	567	2590	e2400	e5000	e450	423	344	403	e320	311
21	494	386	500	1810	e2170	e3500	e435	407	343	394	e330	315
22	843	381	465	1040	e1500	e3400	e420	400	340	346	e350	343
23	745	377	444	939	e900	e1920	e410	398	340	330	e330	371
24	590	374	428	1240	e1420	e1590	e800	382	657	319	e325	372
25	473	372	415	917	e810	e1320	e4550	368	467	313	e320	350
26	414	378	406	679	e705	e1190	e25000	377	419	308	e317	336
27	387	382	395	2430	e610	e1070	e26900	371	380	302	e314	329
28	374	501	389	6240	e570	e950	e9990	367	386	310	e310	327
29	364	687	396	4120	---	e880	e3000	387	363	330	e308	325
30	359	563	400	3360	---	e810	e1500	413	392	346	e305	326
31	360	---	408	1610	---	e715	---	850	---	385	e299	---
TOTAL	13322	15075	18064	37584	22577	72260	109245	40338	12774	10671	10020	9525
MEAN	430	502	583	1212	806	2331	3641	1301	426	344	323	317
MAX	843	1520	1280	6240	2400	10100	26900	14000	881	403	383	379
MIN	299	349	389	376	440	505	410	367	340	302	299	289
CFSM	.87	1.02	1.18	2.46	1.64	4.74	7.40	2.64	.87	.70	.66	.65
IN.	1.01	1.14	1.37	2.84	1.71	5.46	8.26	3.05	.97	.81	.76	.75

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1995, BY WATER YEAR (WY)

MEAN	391	516	881	1281	1425	1373	1318	896	520	466	414	381
MAX	1894	2118	2976	4728	3994	3625	4718	4317	1744	1503	1402	1131
(WY)	1958	1958	1972	1990	1966	1973	1983	1953	1975	1946	1953	1971
MIN	184	212	309	279	317	408	303	249	244	233	220	204
(WY)	1964	1957	1967	1956	1968	1955	1963	1956	1963	1969	1954	1952

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1944 - 1995
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ANNUAL TOTAL	311079		371455				
ANNUAL MEAN	852		1018			819	
HIGHEST ANNUAL MEAN						1301	1983
LOWEST ANNUAL MEAN						394	1954
HIGHEST DAILY MEAN	26000	Jan 28	26900	Apr 27	56900	Apr 7	1983
LOWEST DAILY MEAN	294	Sep 6	289	Sep 4	177	Oct 31	1963
ANNUAL SEVEN-DAY MINIMUM	301	Sep 1	293	Sep 4	179	Oct 25	1963
INSTANTANEOUS PEAK FLOW			unknown	Apr 27	64200	Apr 7	1983
INSTANTANEOUS PEAK STAGE			unknown	Apr 27		34.62	Apr 7 1983
ANNUAL RUNOFF (CFSM)	1.73		2.07			1.66	
ANNUAL RUNOFF (INCHES)	23.52		28.09			22.61	
10 PERCENT EXCEEDS	1520		1530		1600		
50 PERCENT EXCEEDS	500		413		403		
90 PERCENT EXCEEDS	316		311		248		

e Estimated

OHIO RIVER BASIN

TENNESSEE RIVER BASIN

TENNESSEE RIVER MAIN STEM

03589500 TENNESSEE RIVER AT FLORENCE, AL

LOCATION.--Lat 34°47'13", long 87°40'12", in SW1/4 sec. 14, T. 3 S., R. 11 W., Lauderdale County, Hydrologic Unit 06030005, on right bank at lower end of Patton Island, 137 ft upstream from Southern Railway bridge, 700 ft upstream from O'Neal Bridge on U.S. Highway 72, 1.1 mi south of Florence Post Office, 1.7 mi upstream from Cypress Creek, 2.7 mi downstream from Wilson Dam, and at mile 256.7.

DRAINAGE AREA.--30,810 mi², approximately.

PERIOD OF RECORD.--November 1871 to September 1894 (gage heights only), October 1894 to current year.

REVISED RECORD.--WSP 473: 1897(M). WSP 1306: 1914(M), 1936 (monthly runoff). WSP 1436: 1897, 1899, 1916.

GAGE.--Water-stage recorder. Datum of gage is 401.12 ft above sea level. Prior to Apr. 1, 1926, several National Weather Service staff gages at or near Southern Railway bridge 137 ft downstream at same datum. Apr. 1, 1926, to Mar. 11, 1958, water-stage recorder on left bank at lower end of old lock and dam, 1,400 ft upstream at same datum. Since Oct. 1, 1938, auxiliary water-stage recorder 15.2 mi downstream.

REMARKS.--Records fair except those below 25,000 ft³/s, which are poor. Slight regulation since 1924 by Wilson Lake and increasing regulation since 1936 as other reservoirs have been built above station. Flow now almost completely regulated. Statistics shown below are for water years 1937 to current year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49500	50000	84000	14200	79200	86200	19800	34300	31700	13000	43600	36700
2	38800	53900	85200	13500	60000	75600	15800	18000	34000	27200	27100	25400
3	37500	57400	81600	47300	49800	67700	15300	15000	6500	32100	34800	27200
4	51200	55400	88800	40900	55000	61000	15400	9800	19000	45300	35900	19800
5	50100	30500	110000	44900	50400	63700	17200	13000	46600	41500	24000	39000
6	47300	33200	123000	43100	52000	101000	14300	6500	16000	31500	12000	35900
7	52400	53700	104000	13900	52900	139000	20300	5500	18100	38100	52800	32100
8	40800	55500	97600	16900	57700	165000	11600	24600	28400	25300	58100	40500
9	18900	56900	98000	47800	57300	168000	15700	33200	34000	12000	57600	22500
10	44500	53500	82600	58800	50900	162000	23400	45600	5500	31800	60200	20300
11	35700	62900	77900	58300	47800	155000	11500	15000	11000	36500	59900	35600
12	45800	51200	88200	54700	50800	145000	13800	15000	6600	35000	28200	38700
13	53100	20400	75000	78000	50000	140000	13900	6100	30000	33000	30600	42200
14	57400	55100	75400	82700	45400	124000	13600	6100	41300	40800	49400	36200
15	52500	52400	78500	87400	45700	108000	9170	38600	29500	15500	52400	38200
16	54500	47800	77800	109000	85100	102000	9370	48900	23200	11000	48700	28100
17	59700	48800	72400	130000	138000	100000	9120	25200	4100	40200	44600	31000
18	59300	46000	49300	146000	163000	55500	9120	26800	4100	39600	41000	46600
19	58100	34600	69300	155000	158000	54400	8410	34900	12000	35200	17000	47700
20	54500	16200	54600	141000	152000	66900	10700	40800	18000	17000	13500	51000
21	60500	47600	56400	110000	154000	63300	53700	39700	28000	16000	42600	51000
22	46400	44000	53000	104000	142000	59800	32300	26800	26500	13500	36900	51000
23	50900	49000	51000	105000	123000	52700	27800	28300	29800	26300	33400	49000
24	54600	26000	36600	104000	94200	52500	34600	25400	13100	17600	38800	45000
25	53100	22900	33300	83100	96700	25100	27000	17500	15000	19000	33900	44000
26	57200	14900	44100	78500	80000	17700	25200	14500	29600	23000	15000	51000
27	52000	16600	40900	83500	82200	31700	29500	6700	33200	26800	12000	48000
28	54400	63400	39000	77800	82100	31300	23200	6800	32300	26800	45600	48000
29	45600	82400	32900	65000	---	27700	6000	14000	39100	14500	34100	48000
30	37300	82000	28200	73400	---	27100	5800	30200	19000	26100	46800	30000
31	50600	---	24200	90700	---	22000	---	17000	---	44400	47400	---
TOTAL	1524200	1384200	2112800	2358400	2355200	2550900	542590	689800	685200	855600	1177900	1159700
MEAN	49170	46140	68150	76080	84110	82290	18090	22250	22840	27600	38000	38660
MAX	60500	82400	123000	155000	163000	168000	53700	48900	46600	45300	60200	51000
MIN	18900	14900	24200	13500	45400	17700	5800	5500	4100	11000	12000	19800
CFSM	1.60	1.50	2.21	2.47	2.73	2.67	.59	.72	.74	.90	1.23	1.25
IN.	1.84	1.67	2.55	2.85	2.84	3.08	.66	.83	.83	1.03	1.42	1.40

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1995, BY WATER YEAR (WY)

	MEAN	33440	42690	64900	81500	88430	80500	52220	43120	36030	35840	35490	32890
MAX	100800	136400	144200	200300	207300	163900	151400	150700	101300	81530	58260	64550	
(WY)	1990	1958	1992	1974	1957	1973	1994	1984	1989	1989	1967	1950	
MIN	13660	13440	12840	13730	26710	25060	14010	13920	16060	20610	21680	14060	
(WY)	1940	1940	1940	1940	1941	1988	1966	1981	1941	1988	1986	1968	

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1937 - 1995

ANNUAL TOTAL	27707900	17396490	
ANNUAL MEAN	75910	47660	52100
HIGHEST ANNUAL MEAN			80210
LOWEST ANNUAL MEAN			26870
HIGHEST DAILY MEAN	322000	Mar 28	490000
LOWEST DAILY MEAN	12500	May 30	105
ANNUAL SEVEN-DAY MINIMUM	22300	May 24	8600
INSTANTANEOUS PEAK FLOW			530000
INSTANTANEOUS PEAK STAGE			32.50
ANNUAL RUNOFF (CFSM)	2.46		1.69
ANNUAL RUNOFF (INCHES)	33.45		22.98
10 PERCENT EXCEEDS	171000	89600	99700
50 PERCENT EXCEEDS	52400	41300	39200
90 PERCENT EXCEEDS	32000	13900	20400

03592718 LITTLE YELLOW CREEK EAST NEAR BURNSVILLE, MS

LOCATION.--Lat 34°50'05", long 88°17'17", in SE1/4 sec.7, T.3 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 06030005, on right bank at bridge on county road 0.2 mi northeast of Walker Siding and 2.0 mi east of Burnsville.

DRAINAGE AREA.--24.7 mi², Tennessee Valley Authority.

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

REVISED RECORDS.--WDR MS-78-1: 1973(M), 1976(M).

GAGE.--Water-stage recorder. Datum of gage is 429.51 ft Mississippi Department of Transportation datum.

REMARKS.--Estimated daily discharges: Feb. 7-16, Mar. 6-30. Records fair except for estimated daily discharges, which are poor.

EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 3,180 ft³/s, gage height, 19.12 ft was measured Mar. 16, 1973.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Mar. 5	678	*782	*13.63	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.0	22	49	32	59	64	20	85	33	9.0	4.9	4.1
2	6.5	18	47	25	58	60	20	78	29	7.9	4.8	4.2
3	16	16	66	23	58	58	20	44	24	7.4	3.6	4.2
4	8.6	15	160	23	57	59	21	56	20	18	3.2	4.2
5	6.2	81	112	24	56	349	21	47	17	19	58	4.2
6	5.1	136	72	58	57	e120	20	39	15	17	22	4.2
7	4.7	42	59	76	e62	e70	21	38	16	10	17	4.2
8	4.5	31	53	60	e66	e45	21	35	15	8.0	21	4.1
9	51	31	51	49	e60	e37	20	91	17	9.9	96	4.1
10	22	50	315	43	e58	e33	20	44	21	10	34	4.4
11	11	35	144	43	e56	e35	74	35	30	7.9	16	5.1
12	157	29	67	44	e64	e31	88	31	36	7.1	12	5.3
13	160	26	43	46	e58	e27	35	30	22	6.7	7.6	6.9
14	47	25	41	131	e100	e28	28	30	15	6.3	10	9.6
15	31	23	47	104	e170	e30	26	28	12	12	6.6	6.4
16	24	22	56	94	e280	e28	25	28	10	11	5.0	16
17	19	22	56	67	131	e26	24	27	9.7	6.8	4.6	39
18	17	21	47	59	90	e25	24	26	8.6	6.0	4.1	14
19	19	20	37	184	81	e24	23	39	8.2	5.7	3.6	7.6
20	19	19	30	118	76	e23	55	29	7.9	5.6	3.8	7.1
21	19	21	27	96	72	e24	235	25	8.1	7.0	5.6	7.4
22	35	19	129	79	68	e25	55	23	8.1	7.7	4.9	8.2
23	29	18	74	75	67	e26	93	22	7.5	7.7	3.7	8.1
24	20	17	46	69	64	e25	54	19	9.1	8.0	3.1	7.4
25	17	17	37	67	62	e24	40	18	11	7.3	3.0	7.3
26	15	28	33	65	61	e25	35	17	9.7	6.4	3.0	7.3
27	15	91	33	66	75	e25	32	18	8.7	6.2	3.5	7.5
28	14	216	31	75	75	e26	31	16	7.4	11	3.9	7.3
29	14	87	31	66	---	e23	29	18	7.3	21	4.1	5.2
30	14	58	32	60	---	e20	56	18	7.7	6.8	4.7	4.9
31	15	---	32	59	---	20	---	24	---	5.2	3.9	---
TOTAL	842.6	1256	2057	2080	2241	1435	1266	1078	451.0	285.6	381.2	229.5
MEAN	27.2	41.9	66.4	67.1	80.0	46.3	42.2	34.8	15.0	9.21	12.3	7.65
MAX	160	216	315	184	280	349	235	91	36	21	96	39
MIN	4.5	15	27	23	56	20	20	16	7.3	5.2	3.0	4.1
CFSM	1.10	1.70	2.69	2.72	3.24	1.87	1.71	1.41	.61	.37	.50	.31
IN.	1.27	1.89	3.10	3.13	3.38	2.16	1.91	1.62	.68	.43	.57	.35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 1995, BY WATER YEAR (WY)

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
MEAN	15.8	47.1	68.3	70.1	70.7	75.8	61.6	54.5	24.2	14.0	11.4	13.1											
MAX	40.6	146	301	246	185	246	164	281	103	55.7	67.3	67.6											
(WY)	1976	1978	1983	1974	1990	1980	1991	1991	1989	1994	1992	1979											
MIN	5.09	11.8	14.8	13.3	24.7	28.8	11.3	6.90	3.88	4.76	3.50	4.51											
(WY)	1988	1991	1981	1986	1978	1988	1986	1988	1988	1988	1988	1988											

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1973 - 1995

	1994	1995	1973-1995
ANNUAL TOTAL	15591.5	13602.9	
ANNUAL MEAN	42.7	37.3	43.8
HIGHEST ANNUAL MEAN			79.2
LOWEST ANNUAL MEAN			18.7
HIGHEST DAILY MEAN	480	349	4910
LOWEST DAILY MEAN	3.8	3.0	1.5
ANNUAL SEVEN-DAY MINIMUM	5.2	3.5	2.5
INSTANTANEOUS PEAK FLOW		678	unknown
INSTANTANEOUS PEAK STAGE		13.63	21.74
INSTANTANEOUS LOW FLOW		2.8	1.5
ANNUAL RUNOFF (CFSM)	1.73	1.51	1.77
ANNUAL RUNOFF (INCHES)	23.48	20.49	24.08
10 PERCENT EXCEEDS	84	75	75
50 PERCENT EXCEEDS	27	24	19
90 PERCENT EXCEEDS	7.9	5.3	5.2

e Estimated

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS

LOCATION.--Lat 34°54'51", long 88°14'48", in SE1/4 sec.9, T.2 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 06030005, at northern end of Tennessee-Tombigbee Waterway, near bridge on State Highway 25, 0.9 mi southeast of Cross Roads.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--December 1980 to current year (gage heights only).

REVISED RECORD.--WDR MS-84-1:1983(M,m).

GAGE.--Water-stage recorder. Datum of gage is 400.00 ft above sea level.

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 14.47 ft, Jun.30; minimum, 8.06 ft, Dec. 17, but may have been less during period of no gage height record, Oct. 1-Nov. 16.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	9.55	9.23	8.81	9.53	11.78	13.50	13.70	13.51	12.47	11.78
2	---	---	9.48	9.17	8.88	9.13	11.85	13.56	13.56	13.01	12.44	12.05
3	---	---	9.28	9.00	8.98	8.96	11.94	13.67	13.37	12.85	11.88	11.76
4	---	---	9.35	9.00	8.74	9.20	11.78	13.62	13.15	13.41	11.62	11.45
5	---	---	9.96	9.31	9.05	9.69	11.90	13.54	12.95	13.62	11.51	11.60
6	---	---	10.59	9.47	9.14	9.94	11.94	13.55	13.37	13.27	11.99	11.79
7	---	---	10.68	9.65	8.99	10.83	11.96	13.60	13.66	12.38	11.75	11.85
8	---	---	10.04	9.70	8.87	12.76	11.94	13.70	13.89	12.56	12.09	11.91
9	---	---	10.02	9.22	8.91	13.06	11.81	13.94	13.59	12.89	12.39	11.99
10	---	---	10.21	8.52	9.00	12.79	11.80	---	13.34	13.09	11.96	11.54
11	---	---	10.59	8.62	9.08	12.61	12.00	13.71	12.94	13.24	11.30	11.32
12	---	---	10.49	8.77	9.12	12.29	11.99	13.52	12.98	13.35	11.60	11.41
13	---	---	10.45	8.63	8.94	11.86	12.06	13.63	13.02	13.42	11.71	11.73
14	---	---	9.83	8.57	8.87	11.34	12.31	13.60	13.30	13.06	11.88	12.14
15	---	---	9.37	8.75	8.96	10.70	12.40	13.66	13.64	12.73	11.80	12.23
16	---	---	8.86	9.29	8.95	9.92	12.41	13.79	13.67	12.73	11.95	12.31
17	---	9.35	8.60	9.26	10.20	10.45	12.48	13.88	13.33	12.77	12.13	12.38
18	---	9.35	8.84	9.34	11.41	10.69	12.56	13.58	13.00	12.89	12.52	12.09
19	---	9.71	9.07	9.80	11.89	10.38	12.60	13.47	12.81	13.13	12.50	11.64
20	---	10.06	9.06	10.06	11.88	9.97	12.70	13.44	13.05	12.99	12.06	11.35
21	---	9.90	8.89	10.04	11.81	10.02	13.68	13.55	13.47	12.93	11.74	11.18
22	---	9.80	8.75	9.71	11.73	9.82	13.55	13.39	13.79	12.70	12.14	11.03
23	---	9.66	8.70	9.32	11.01	10.00	12.76	13.42	13.65	12.15	12.12	11.04
24	---	9.83	8.72	9.11	9.99	10.52	12.69	13.67	13.50	11.93	11.70	11.33
25	---	10.03	8.76	9.26	10.25	11.15	12.78	13.64	13.15	12.35	11.41	11.17
26	---	10.25	8.89	8.94	10.41	11.18	12.99	13.39	12.93	12.74	11.12	11.16
27	---	10.52	8.88	8.52	9.83	11.24	13.17	13.39	13.02	13.00	11.04	11.09
28	---	10.60	8.95	8.41	9.72	11.36	13.09	13.32	13.44	12.95	11.06	10.95
29	---	10.41	9.13	8.71	---	11.48	13.23	13.17	13.92	12.93	11.06	10.76
30	---	9.73	9.31	8.72	---	11.62	13.33	13.17	14.05	12.48	10.97	10.81
31	---	---	9.36	8.55	---	11.70	---	13.48	---	12.14	11.33	---
MEAN	---	---	9.44	9.12	9.76	10.84	12.45	---	13.37	12.88	11.78	11.56
MAX	---	---	10.68	10.06	11.89	13.06	13.68	---	14.05	13.62	12.52	12.38
MIN	---	---	8.60	8.41	8.74	8.96	11.78	---	12.81	11.93	10.97	10.76

YAZOO RIVER BASIN

07268000 LITTLE TALLAHATCHIE RIVER AT ETTA, MS

LOCATION.--Lat 34°29'00", long 89°13'30", in SE1/4 SW1/4 sec.8, T.7 S., R.1 E., Chickasaw Meridian, Union County, Hydrologic Unit 08030201, on right bank at downstream side of bridge on State Highway 30, 0.8 mi northeast of Etta, 3.8 mi upstream from Puskus Creek, 5.0 mi downstream from Locks Creek, 12.3 mi west of New Albany, and 55.0 mi upstream from head of Panola-Quitman Floodway.

DRAINAGE AREA.--526 mi².

PERIOD OF RECORD.--September 1938 to current year. November 1936 to May 1937 (gage heights and discharge measurements only) in reports of U. S. Army Corps of Engineers, Vicksburg district. Prior to October 1971 published as Tallahatchie River at Etta.

REVISED RECORDS.--WSP 897: Drainage area. WSP 1211: 1948, 1949(M).

GAGE.--Water-stage recorder. Datum of gage is 273.48 ft above sea level (levels by U. S. Army Corps of Engineers). Nov. 23, 1936 to May 31, 1937, nonrecording gage at same site at datum 5.33 ft higher. Sept. 24, 1938 to Mar. 16, 1939, nonrecording gage, Mar. 17, 1939 to Aug. 25, 1952, water-stage recorder, and Aug. 26, 1952 to June 22, 1953, nonrecording gage, all at same site. Sept. 24, 1938 to Sept. 30, 1952, at datum 5.00 ft higher.

REMARKS.--Estimated daily discharges: Nov. 6-7. Records good except for estimated daily discharges, which are poor. U.S. Army Corp of Engineers satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 13,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 11	0115	14,900	24.78	Mar. 6	0530	*25,900	*26.34
Jan. 19	1645	14,300	24.67	Aug. 5	2100	14,400	24.68

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	128	587	477	489	926	398	1910	1740	267	76	55
2	56	120	512	443	472	690	388	1460	8110	127	65	54
3	86	103	488	419	454	626	380	703	2480	107	56	52
4	65	123	4760	405	435	613	367	778	692	219	246	49
5	54	2880	2660	381	411	11500	357	740	473	629	11400	49
6	51	e4970	949	2860	399	19700	351	533	399	515	10000	48
7	49	e2000	681	4750	430	12300	338	481	423	232	3100	49
8	52	703	572	1260	419	19700	326	454	357	140	747	50
9	348	632	533	749	397	6360	313	452	316	144	417	53
10	226	1690	8020	628	433	1850	280	471	389	201	322	59
11	105	862	10300	763	453	1100	554	744	1200	149	250	60
12	1200	559	2830	699	417	922	575	450	652	108	824	60
13	773	468	1070	587	407	825	378	374	414	94	313	61
14	322	421	793	1430	413	742	318	344	309	126	225	58
15	205	385	735	4180	440	695	305	321	246	87	184	54
16	161	362	882	1260	2900	895	290	359	205	72	131	55
17	131	347	896	765	2090	1170	288	339	187	66	109	73
18	120	328	710	944	821	995	289	300	170	128	98	61
19	312	307	583	12200	636	710	292	702	157	87	89	59
20	276	298	530	6480	564	632	565	458	165	69	83	58
21	222	314	504	1830	515	747	8200	353	177	65	351	64
22	558	319	4740	920	472	634	2550	310	153	66	147	67
23	471	253	2820	918	452	581	3160	270	139	57	99	66
24	255	235	970	827	434	528	1580	203	128	181	85	59
25	176	235	697	700	405	496	736	190	122	123	79	58
26	148	267	598	628	399	478	581	185	140	229	72	59
27	135	2650	554	640	2330	492	509	492	124	88	67	58
28	125	9360	523	1260	2590	468	457	890	106	118	62	58
29	118	2920	490	735	---	443	428	940	104	990	59	55
30	112	905	517	573	---	429	1180	658	116	193	55	55
31	112	---	491	512	---	409	---	1120	---	100	55	---
TOTAL	7073	35144	51995	51223	21077	88656	26733	17984	20393	5777	29866	1716
MEAN	228	1171	1677	1652	753	2860	891	580	680	186	963	57.2
MAX	1200	9360	10300	12200	2900	19700	8200	1910	8110	990	11400	73
MIN	49	103	488	381	397	409	280	185	104	57	55	48
CFSM	.43	2.23	3.19	3.14	1.43	5.44	1.69	1.10	1.29	.35	1.83	.11
IN.	.50	2.49	3.68	3.62	1.49	6.27	1.89	1.27	1.44	.41	2.11	.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1995. BY WATER YEAR (WY)

MEAN	133	723	1222	1460	1719	1817	1383	908	518	315	174	184
MAX	863	3877	6915	5745	5856	6449	4491	4399	3174	1974	1446	1930
(WY)	1983	1958	1983	1974	1948	1973	1983	1983	1939	1989	1967	1958
MIN	9.37	18.4	56.9	65.5	178	230	120	107	31.4	37.2	13.2	13.2
(WY)	1944	1957	1939	1963	1963	1954	1986	1943	1988	1988	1954	1954

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1938 - 1995
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[illegible]

e Estimated

07273100 HOTOPHA CREEK NEAR BATESVILLE, MS

LOCATION.--Lat 34°21'50", long 89°52'42", in NW 1/4 NW 1/4 sec.30, T.8 S., R.6 W., Chickasaw Meridian, Panola County, Hydrologic Unit 08030201, on left bank at upstream side of bridge on State Highway 35, 1.2 mi upstream from mouth, 3.6 mi downstream from Harris Creek, and 4.4 mi northeast of Batesville.

DRAINAGE AREA.--35.1 mi².

PERIOD OF RECORD.--Water years 1975, 1986 to current year.

PERIOD OF DAILY RECORD.--

DISCHARGE: March 1986 to current year.

SPECIFIC CONDUCTANCE: June 1986 to February 1987.

pH: February to March 1987.

WATER TEMPERATURE: April 1986 to March 1987.

SUSPENDED SEDIMENT CONCENTRATION: March 1986 to current year.

SUSPENDED SEDIMENT DISCHARGE: March 1986 to current year.

INSTRUMENTATION.--Water-stage recorder and crest-stage gage. Datum of gage is 195.45 ft above sea level. Automatic pumping sediment sampler since March 1986.

REMARKS.--Unpublished records of daily specific conductance, pH, and water temperature during selected storm events are available in files of District office. Estimated daily discharges: June 22, July 16, 18, 21-23, Aug. 21, 28-31, Sept. 1, 9-11. Discharge records good except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--9 years, 58.9 ft³/s, 22.79 in/yr.

EXTREMES FOR PERIOD OF DAILY RECORD.--

DISCHARGE: Maximum, 10,400 ft³/s, Feb. 19, 1991, gage height, 16.83 ft; minimum, 2.1 ft³/s, July 31, Aug. 1, 1986.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 4,460 mg/L, Feb. 3, 1990; minimum daily mean, 1 mg/L, on several days during October 1989.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 63,800 tons, Feb. 3, 1990; minimum daily, 0.01 ton, on several days during October 1989.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum, 4,580 ft³/s, Mar. 5, gage height, 13.18 ft; minimum, 4.5 ft³/s, Sept. 6-8.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 1,390 mg/L, Mar. 5; minimum daily mean, 8 mg/L, Aug. 23.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 7,830 tons, Mar. 5; minimum daily, 0.16 ton, Sept. 26-30.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT												
05...	1450	5.5	97	7.7	27.0	8.8	<0.010	0.020	0.010	<0.020	0.010	1.2
18...	1030	11	91	7.0	16.5	9.1	<0.010	0.050	0.010	0.030	0.030	2.7
NOV												
02...	1245	12	86	7.1	18.0	9.6	<0.010	0.050	<0.020	0.030	0.020	2.8
14...	1515	16	68	6.9	23.0	9.4	<0.010	0.050	<0.020	0.060	0.040	4.8
29...	1630	47	49	6.3	12.5	9.2	0.010	0.120	<0.070	0.060	0.060	6.9
DEC												
14...	0915	25	55	7.0	8.0	11.9	0.010	0.170	<0.070	0.060	0.040	5.9
JAN												
04...	1430	15	77	6.9	7.5	11.7	0.010	0.200	0.050	0.020	0.030	4.0
12...	0945	32	66	6.8	14.0	10.3	0.010	0.170	0.040	0.070	0.060	8.4
24...	1400	60	52	6.4	8.0	11.3	0.010	0.210	0.050	0.040	0.050	8.8
FEB												
07...	1515	21	72	7.3	6.0	11.7	0.010	0.220	0.030	0.060	0.040	8.5
22...	1500	20	74	6.5	15.5	10.0	--	--	--	--	--	8.6
MAR												
08...	0930	177	40	6.1	9.5	10.9	0.020	0.180	0.040	0.130	0.090	12
22...	1700	26	72	6.9	23.0	8.7	<0.010	0.180	0.020	0.100	0.030	6.4
28...	1145	21	80	6.6	20.0	9.1	<0.010	0.140	0.020	0.030	0.020	4.5
APR												
11...	1300	70	86	7.1	19.5	9.5	0.020	0.310	0.050	0.210	0.090	9.5
18...	1400	18	88	6.9	25.0	8.4	<0.010	0.110	0.010	0.030	0.020	3.0
MAY												
16...	0710	14	100	7.2	23.0	7.2	0.010	0.160	0.040	0.020	0.020	2.4
JUN												
01...	1130	20	77	6.8	26.0	7.7	0.010	0.170	0.060	0.050	0.050	5.8
13...	0900	28	64	6.7	21.0	8.0	0.010	0.120	0.030	0.070	0.050	6.6
28...	1015	12	96	7.2	25.0	7.9	0.010	0.120	0.030	0.020	0.030	3.3
JUL												
11...	1230	14	94	7.0	34.0	6.5	0.010	0.070	0.020	0.040	0.030	4.2
26...	1545	11	92	7.5	36.0	6.7	0.030	0.020	0.080	0.170	0.120	5.7
AUG												
07...	1320	21	57	6.6	33.0	6.8	0.030	0.050	0.030	0.170	0.120	5.4
23...	1130	7.6	87	7.8	29.5	7.8	0.010	0.020	0.020	0.060	0.020	3.4
SEP												
07...	0945	5.1	108	7.1	24.0	8.4	0.010	0.040	0.020	0.040	0.040	2.4
19...	1230	5.9	95	7.0	28.0	8.2	0.010	0.050	0.020	0.030	0.030	11

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	ALDI- CARB WATER WHOLE TOT.REC (UG/L) (82619)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39330)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39333)	CARBO- FURAN WATER WHOLE TOT.REC (UG/L) (82615)	CHLOR- DANE, TECH- NICAL TOTAL (UG/L) (39350)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39351)	CHLOR- PYRIFOS TOTAL RECOVER (UG/L) (38932)	P,P'- DDD UNFILT RECOVER (UG/L) (39360)	P,P'- DDD, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39363)	P,P'- DDE, TOTAL (UG/L) (39365)	P,P'- DDE, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39368)	P,P'- DDT UNFILT RECOVER (UG/L) (39370)
MAY												
16...	<0.500	<0.010	--	<0.500	<0.100	--	<0.010	<0.010	--	<0.010	--	<0.010
AUG												
07...	--	--	<0.100	--	--	<1.00	--	--	<0.100	--	<0.100	--

PESTICIDE ANALYSES. WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

		P, P'- DDT, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39373)	DEF TOTAL (UG/L) (39040)	DI- AZINON, TOTAL (UG/L) (39570)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39571)	DI- ELDRIN TOTAL (UG/L) (39380)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39383)	DISUL- FOTON UNFILT RECOVER (UG/L) (39011)	ENDO- SULFAN, I TOTAL (UG/L) (39388)	ENDO- SULFAN I TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39389)	ENDRIN WATER UNFLTRD REC (UG/L) (39390)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39393)
MAY 16...		--	<0.010	<0.010	--	<0.010	--	<0.010	<0.010	--	<0.010	--
AUG 07...		<0.100	--	--	<0.200	--	<0.100	--	--	<0.100	--	<0.500
DATE	ETHION, TOTAL (UG/L) (39398)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39399)	FONOFOS (DY- FONATE) WATER WHOLE TOT. REC (UG/L) (82614)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39410)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39413)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/L) (39420)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	LINDANE TOTAL (UG/L) (39340)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39343)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39530)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39531)	
MAY 16...		<0.010	--	<0.010	<0.010	--	<0.010	--	<0.010	--	<0.010	--
AUG 07...		--	<0.200	--	--	<0.100	--	<0.100	--	<0.100	--	<0.200
DATE	METHIO- CARB WATER WHOLE RECOV. (UG/L) (30282)	METHO- MYL TOTAL (UG/L) (39051)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	METHYL THION, TOTAL (UG/L) (39600)	METHYL THION, TOT. IN BOTTOM MATL. (UG/KG) (39601)	MIREX, TOTAL (UG/L) (39755)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39758)	1-NAPH- THOL WATER WHOLE REC (UG/L) (77441)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39540)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39541)	
MAY 16...		<0.500	<0.500	<0.010	--	<0.010	--	<0.010	--	<0.500	<0.010	--
AUG 07...		--	--	--	<0.800	--	<0.200	--	<0.100	--	--	<0.200
DATE	PCB, TOTAL (UG/L) (39516)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39519)	PCNS UNFILT RECOVER (UG/L) (39250)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39251)	PER- THANE TOTAL (UG/L) (39034)	PER- THANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (81886)	PHORATE TOTAL (UG/L) (39023)	PROPHAM TOTAL (UG/L) (39052)	PROPO- XUR WATER WHOLE RECOV. (UG/L) (30296)	CARB- ARYL UNFILT RECOVER (UG/L) (39750)	TOX- APHENE, TOTAL (UG/L) (39400)	
MAY 16...		<0.100	--	<0.100	--	<0.100	--	<0.010	<0.500	<0.500	<0.500	<1.00
AUG 07...		--	<1.00	--	<1.00	--	<1.00	--	--	--	--	--
DATE	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39403)	TOTAL TRI- THION (UG/L) (39786)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39787)	2, 4-D, TOTAL (UG/L) (39730)	2, 4-DP TOTAL (UG/L) (82183)	2, 4, 5-T TOTAL (UG/L) (39740)	ALA- CHLOR TOTAL RECOVER (UG/L) (77825)	AME- TRYNE TOTAL (UG/L) (82184)	ATRA- ZINE WATER UNFLTRD REC (UG/L) (39630)	BROM- ACIL WATER WHLREC (UG/L) (30234)	BUTA- CHLOR WATER WHLREC (UG/L) (30235)	
MAY 16...		--	<0.010	--	<0.010	<0.010	<0.010	<0.100	<0.100	0.300	<0.200	<0.100
AUG 07...		<10.0	--	<0.200	--	--	--	--	--	--	--	--
DATE	BUTYL- ATE WATER WHLREC (UG/L) (30236)	CARBOX- IN WATER WHOLE RECOV- ERABLE (UG/L) (30245)	CYAN- AZINE TOTAL (UG/L) (81757)	CYCLO- ATE WATER WHOLE RECOV- ERABLE (UG/L) (30254)	DEETHYL ATRA- ZINE, WATER, WHOLE, TOTAL (UG/L) (75981)	DE-ISO PROPYL ATRAZIN WATER, WHOLE, TOTAL (UG/L) (75980)	DICAMBA TOTAL (UG/L) (82052)	DIPHEN- AMID WATER WHOLE RECOV- ERABLE (UG/L) (30255)	HEXAZI- NONE WATER WHOLE RECOV- ERABLE (UG/L) (30264)	METOLA- CHLOR WATER WHOLE TOT. REC (UG/L) (82612)	METRI- BUZIN WATER WHOLE TOT. REC (UG/L) (82611)	
MAY 16...		<0.100	<0.200	<0.200	<0.100	<0.200	<0.200	<0.010	<0.100	<0.200	<0.200	<0.100
AUG 07...		--	--	--	--	--	--	--	--	--	--	--
DATE	PIC- LORAM UNFILT RECOVER (UG/L) (39720)	PROME- TONE TOTAL (UG/L) (39056)	PROME- TRYNE TOTAL (UG/L) (39057)	PROPA- CHLOR WATER WHOLE RECOV. (UG/L) (30295)	PRO- PAZINE TOTAL (UG/L) (39024)	SILVEX, TOTAL (UG/L) (39760)	SIMA- ZINE TOTAL (UG/L) (39055)	SIME- TRYNE TOTAL (UG/L) (39054)	TER- BACIL WATER WHOLE RECOV. (UG/L) (30311)	TRI- FLURA- LIN TOTAL RECOVER (UG/L) (39030)	VER- NOLATE WATER WHOLE RECOV. (UG/L) (30324)	
MAY 16...		<0.010	<0.200	<0.100	<0.100	<0.010	<0.100	<0.100	<0.200	<0.100	<0.100	<0.100
AUG 07...		--	--	--	--	--	--	--	--	--	--	--

YAZOO RIVER BASIN

07273100 HOTOPHA CREEK NEAR BATESVILLE, MS--Continued

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK) (00002)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM (80164)	BED MAT. SIEVE DIAM. % FINER THAN .125 MM (80165)	BED MAT. SIEVE DIAM. % FINER THAN .250 MM (80166)	BED MAT. SIEVE DIAM. % FINER THAN .500 MM (80167)	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM (80168)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)
SEP									
19...	1232	25.0	76	76	78	93	99	99	100
19...	1234	50.0	<1	<1	5	78	99	--	--
19...	1236	75.0	0	0	10	84	100	--	--

07273100 HOTOPHA CREEK NEAR BATESVILLE, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

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	5.7	26	.40	12	18	.55	19	107	5.4
2	5.7	28	.42	12	20	.62	16	157	6.6
3	5.7	29	.45	12	26	.83	13	180	6.3
4	5.7	31	.48	11	27	.82	58	235	41
5	5.6	33	.51	79	258	126	27	163	12
6	5.5	34	.50	35	103	11	16	138	6.0
7	5.5	34	.51	19	33	1.7	14	74	2.7
8	7.4	47	1.3	16	21	.93	12	78	2.5
9	39	85	11	77	112	63	12	82	2.6
10	13	43	1.6	90	93	35	495	646	1020
11	9.2	32	.81	31	39	3.2	89	189	52
12	65	141	28	22	37	2.2	45	104	13
13	21	63	3.7	18	37	1.8	31	84	7.1
14	14	42	1.6	16	33	1.4	24	69	4.5
15	12	43	1.3	15	25	.99	26	75	5.4
16	11	36	1.1	13	26	.94	29	74	5.8
17	11	37	1.1	13	29	1.0	31	85	7.2
18	37	152	54	13	36	1.2	22	66	3.9
19	95	139	52	12	55	1.8	18	61	3.0
20	22	48	2.9	11	55	1.7	17	60	2.8
21	17	48	2.2	16	48	2.1	16	60	2.6
22	32	75	6.6	13	44	1.5	25	77	5.2
23	20	42	2.3	11	41	1.2	23	61	3.8
24	15	34	1.4	11	41	1.2	19	56	2.8
25	13	20	.73	10	44	1.2	17	53	2.4
26	12	24	.80	12	51	1.7	15	50	2.0
27	11	23	.72	589	960	3810	15	47	1.9
28	11	27	.78	266	604	608	15	44	1.7
29	12	33	1.1	60	181	31	14	41	1.6
30	12	38	1.2	28	124	9.5	19	40	2.0
31	11	20	.61				18	40	1.9
JANUARY			FEBRUARY			MARCH			
1	17	39	1.8	28	75	5.7	67	217	40
2	17	36	1.6	27	86	6.2	55	74	11
3	16	32	1.4	25	94	6.4	54	50	7.3
4	15	28	1.1	23	104	6.6	57	47	7.7
5	15	26	1.0	22	115	6.8	1210	1390	7830
6	338	533	849	21	127	7.2	158	581	301
7	127	165	64	21	137	7.8	1000	1320	3730
8	62	82	14	20	112	6.2	194	341	181
9	47	63	8.1	19	85	4.4	104	273	77
10	38	60	6.1	20	64	3.5	77	144	31
11	34	47	4.3	21	49	2.8	63	106	18
12	31	43	3.6	20	37	2.0	56	96	15
13	27	39	2.9	19	28	1.4	53	86	12
14	248	463	387	18	21	1.0	50	75	10
15	162	195	92	19	20	1.0	49	76	10
16	66	130	23	69	78	17	64	95	19
17	54	86	13	41	44	5.0	64	102	18
18	758	696	2370	27	38	2.8	39	68	7.2
19	568	449	832	25	36	2.4	30	54	4.4
20	127	330	113	24	34	2.2	27	44	3.2
21	81	142	32	22	32	1.9	27	45	3.2
22	65	118	21	20	32	1.8	26	45	3.2
23	71	87	17	20	30	1.7	26	74	5.1
24	63	61	10	20	27	1.5	23	60	3.8
25	55	71	11	20	23	1.2	22	36	2.1
26	44	59	7.1	20	21	1.1	21	72	4.2
27	42	53	5.9	285	646	835	21	60	3.5
28	41	51	5.7	104	398	115	21	33	1.9
29	35	50	4.7				21	32	1.8
30	31	49	4.1				21	34	1.9
31	29	59	4.6				21	31	1.7

YAZOO RIVER BASIN

07273100 HOTOPHA CREEK NEAR BATESVILLE, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

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	20	26	1.4	102	302	98	24	50	4.4
2	20	22	1.2	41	73	8.6	44	76	9.8
3	19	24	1.2	25	35	2.4	23	48	2.9
4	20	27	1.4	61	169	35	17	32	1.5
5	20	27	1.4	37	81	8.5	15	32	1.3
6	20	25	1.3	25	45	3.0	15	37	1.5
7	20	24	1.3	28	40	3.0	17	37	1.7
8	19	23	1.2	22	32	1.9	14	34	1.3
9	19	23	1.2	21	34	1.9	14	32	1.2
10	19	22	1.1	18	28	1.4	19	47	3.5
11	42	106	15	16	25	1.1	92	315	148
12	30	51	4.3	15	24	.97	98	197	69
13	23	31	1.9	14	24	.92	27	51	3.8
14	20	29	1.6	14	47	1.8	19	63	3.2
15	19	28	1.4	14	35	1.3	16	62	2.7
16	19	26	1.3	14	19	.69	14	53	2.0
17	18	24	1.2	13	37	1.4	13	34	1.2
18	18	23	1.2	16	68	3.1	13	30	1.0
19	18	25	1.3	23	78	4.9	12	32	1.0
20	24	39	3.0	17	76	3.6	12	37	1.2
21	74	127	29	15	72	2.9	12	40	1.3
22	30	70	5.7	13	69	2.5	11	43	1.3
23	161	399	235	12	66	2.1	11	46	1.3
24	53	92	14	11	59	1.8	11	51	1.6
25	30	45	3.6	11	28	.84	18	99	4.9
26	22	33	2.0	11	21	.60	13	104	3.7
27	18	30	1.5	11	20	.58	12	53	1.7
28	15	29	1.2	211	434	352	11	34	.96
29	14	29	1.1	52	241	44	11	47	1.3
30	162	368	234	94	187	73	11	58	1.7
31				24	47	3.1			
JULY			AUGUST			SEPTEMBER			
1	12	50	1.6	20	60	3.2	5.6	38	.58
2	12	31	1.0	13	55	1.9	5.4	33	.48
3	11	26	.80	10	35	.98	5.2	29	.40
4	11	25	.77	258	480	1380	5.0	25	.33
5	206	792	655	485	499	1280	5.0	18	.25
6	72	126	29	52	95	14	4.9	13	.17
7	31	88	7.2	24	47	3.0	5.1	21	.29
8	20	146	7.9	16	32	1.4	5.0	22	.30
9	15	59	2.5	39	167	82	5.0	23	.31
10	14	31	1.2	34	434	47	5.2	27	.38
11	13	27	.98	14	121	4.7	5.4	31	.45
12	13	16	.55	11	53	1.5	5.4	34	.50
13	12	11	.37	9.2	32	.79	5.2	37	.52
14	12	12	.36	8.6	19	.44	4.9	29	.39
15	11	18	.56	8.4	12	.26	4.8	20	.27
16	11	32	1.0	7.9	12	.26	6.2	18	.31
17	11	54	1.5	7.9	16	.34	7.7	19	.39
18	11	50	1.5	7.6	20	.41	6.8	19	.35
19	11	22	.61	7.2	17	.33	5.8	18	.28
20	11	15	.46	7.4	13	.26	5.3	16	.22
21	11	15	.65	7.5	11	.22	6.1	14	.24
22	11	15	.83	7.7	9	.18	6.5	14	.25
23	12	18	1.1	7.3	8	.17	5.7	13	.20
24	47	112	17	7.4	32	.62	5.3	13	.18
25	13	72	2.6	7.4	33	.67	5.1	12	.17
26	11	67	2.0	7.4	26	.53	5.1	12	.16
27	10	30	.84	7.4	26	.51	5.3	12	.16
28	44	446	425	6.8	25	.46	5.5	11	.16
29	77	476	230	6.0	83	1.3	5.4	11	.16
30	21	34	1.9	5.7	60	.92	5.2	11	.16
31	14	25	.93	5.7	45	.69			

07274000 YOCONA RIVER NEAR OXFORD, MS

LOCATION.--Lat 34°16'23", long 89°31'11", in SE1/4 NW1/4 sec.28, T.9 S., R.3 W., Chickasaw Meridian, Lafayette County, Hydrologic Unit 08030203, near left bank on downstream end of pier cap of bridge on State Highway 7, 1.5 mi downstream from Burney Branch, 6 mi south of Oxford, and at mile 42.3.

DRAINAGE AREA.--262 mi².

PERIOD OF RECORD.--October 1951 to current year. May 1946 to September 1951 in reports of U. S. Army Corps of Engineers, Vicksburg district.

REVISED RECORDS.--WDR MS-84-1:1978.

GAGE.--Water-stage recorder. Datum of gage is 267.20 ft above sea level. Prior to Jan. 1, 1972, at datum 5.00 ft higher.

REMARKS.--Records good. U.S. Army Corps of Engineers satellite telemeter at station.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
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No peak greater than base discharge.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	100	781	329	333	1480	119	1030	884	107	52	30
2	39	88	597	296	284	1050	108	779	2330	74	45	27
3	39	89	471	269	244	795	101	589	1980	64	38	25
4	37	79	1340	248	208	688	96	518	1210	130	146	28
5	35	1350	1070	229	182	4800	90	434	758	355	1100	32
6	34	1920	1060	1140	154	3520	85	366	613	373	1190	34
7	33	1590	819	1260	152	5740	80	327	510	205	1110	31
8	65	1130	633	828	139	5070	71	292	408	151	805	29
9	631	913	504	705	122	2550	66	251	309	130	491	27
10	177	1200	2860	523	137	1610	62	212	290	121	245	28
11	85	784	1940	480	143	1220	326	184	335	96	154	24
12	687	683	1520	542	128	987	342	163	502	72	124	21
13	464	570	1070	543	115	829	200	147	361	63	103	21
14	258	444	788	769	113	717	120	137	247	57	93	20
15	158	368	652	1980	121	619	92	123	185	57	71	19
16	118	325	579	1750	1150	651	97	128	152	46	64	19
17	100	283	539	1220	1170	688	77	126	128	44	55	22
18	111	256	480	1710	1100	724	64	176	113	44	49	20
19	303	239	422	4150	795	612	52	494	103	41	44	19
20	192	216	381	2150	598	486	927	303	118	38	40	19
21	302	223	353	1500	415	392	2710	198	110	38	41	23
22	800	201	907	1040	278	324	1130	142	102	37	40	20
23	468	179	902	896	225	283	2020	126	88	35	36	19
24	296	160	919	755	187	245	1350	95	105	182	33	18
25	208	156	728	638	156	216	1070	80	149	63	32	18
26	162	185	551	526	138	193	771	74	274	45	30	18
27	146	1870	438	473	1690	238	543	76	132	38	28	17
28	130	2370	387	729	1800	210	395	327	98	36	28	17
29	113	1360	378	643	---	176	323	560	82	204	29	16
30	96	1090	380	548	---	157	520	493	96	73	34	15
31	99	---	348	407	---	134	---	359	---	46	31	---
TOTAL	6429	20421	24797	29276	12277	37404	14007	9309	12772	3065	6381	676
MEAN	207	681	800	944	438	1207	467	300	426	98.9	206	22.5
MAX	800	2370	2860	4150	1800	5740	2710	1030	2330	373	1190	34
MIN	33	79	348	229	113	134	52	74	82	35	28	15
CFSM	.79	2.60	3.05	3.60	1.67	4.61	1.78	1.15	1.62	.38	.79	.09
IN.	.91	2.90	3.52	4.16	1.74	5.31	1.99	1.32	1.81	.44	.91	.10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 1995, BY WATER YEAR (WY)

	MEAN	75.8	294	599	581	696	786	729	463	239	130	86.1	107
MAX	424	2145	3396	2086	2204	2558	2545	2055	1292	752	487	1239	
(WY)	1983	1958	1983	1974	1991	1973	1991	1983	1994	1994	1982	1958	
MIN	12.0	12.8	37.7	44.2	112	95.5	84.0	52.7	19.1	16.6	8.20	7.15	
(WY)	1957	1957	1956	1956	1972	1954	1986	1965	1988	1960	1954	1956	

SUMMARY STATISTICS FOR 1994 CALENDAR YEAR FOR 1995 WATER YEAR WATER YEARS 1952 - 1995

	ANNUAL TOTAL	231768	176814	397	
ANNUAL MEAN	635	484	877		1983
HIGHEST ANNUAL MEAN			123		1981
LOWEST ANNUAL MEAN			25600		1982
HIGHEST DAILY MEAN	6450	Feb 11	5740	Mar 7	Dec 26 1982
LOWEST DAILY MEAN	33	Oct 7	15	Sep 30	Aug 26 1987
ANNUAL SEVEN-DAY MINIMUM	37	Oct 1	17	Sep 24	Aug 12 1954
INSTANTANEOUS PEAK FLOW			7760	Mar 7	Mar 21 1955
INSTANTANEOUS PEAK STAGE			23.93	Mar 7	Mar 21 1955
INSTANTANEOUS LOW FLOW			15	Sep 29,30	Sep 14 1954
ANNUAL RUNOFF (CFSM)	2.42		1.85		1.52
ANNUAL RUNOFF (INCHES)	32.91		25.10		20.59
10 PERCENT EXCEEDS	1520		1180		991
50 PERCENT EXCEEDS	380		212		98
90 PERCENT EXCEEDS	61		33		18

YAZOO RIVER BASIN

07274251 TOWN CREEK AT WATER VALLEY, MS

LOCATION.--Lat 34°08'50", long 89°38'02", NE1/4 sec.8, T.11 S., R.4 W., Chickasaw Meridian, Yalobusha County, Hydrologic Unit 08030203, 30 feet upstream of triple box culvert on right bank, 0.3 mi south of the intersection of Mississippi State Highways 7 and 315, on Mississippi State Highway 7 in Water Valley.

DRAINAGE AREA.--2.25 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1985 to current year.

GAGE.--Water-stage recorder, crest-stage gage, and culvert control. Datum of gage is 276.00 ft above sea level.

REMARKS.--Estimated daily discharges: Sept. 18-30. Records good except for estimated daily discharges, which are poor.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Nov. 27	1900	*526	*7.33	Jul. 28	1730	369	6.70
Mar. 5	0630	453	7.05				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.7	2.5	1.9	2.8	3.7	4.4	3.7	3.4	26	3.4	3.9	2.1
2	2.8	2.4	2.0	2.8	3.7	4.0	3.7	3.1	6.2	3.4	3.4	2.1
3	3.7	2.4	2.3	2.6	3.5	4.3	3.7	2.9	4.1	3.4	4.2	2.1
4	2.7	2.5	5.6	2.7	3.4	6.2	3.7	3.9	3.7	8.6	25	2.1
5	3.0	24	2.9	2.6	3.4	74	3.7	3.4	3.7	12	11	2.1
6	3.1	2.3	2.4	20	3.4	10	3.7	3.4	4.0	3.7	5.2	2.1
7	3.1	2.2	2.1	3.7	3.4	88	3.7	3.4	3.7	3.4	2.9	2.1
8	11	2.3	2.1	3.1	3.4	12	3.7	3.4	3.7	3.4	2.4	2.1
9	7.4	3.8	2.9	3.1	3.4	6.6	4.0	3.5	3.7	3.4	2.4	2.1
10	5.5	2.6	36	3.1	3.6	5.5	3.9	3.5	3.9	3.4	2.4	2.1
11	11	2.7	4.8	3.9	3.5	4.7	7.6	3.4	14	3.4	2.4	2.1
12	10	2.9	3.7	3.4	3.4	4.4	4.2	3.4	4.4	3.5	2.4	2.1
13	2.7	2.9	3.4	3.4	3.4	4.8	4.6	3.4	3.7	3.4	2.4	2.1
14	2.6	2.9	3.1	18	3.6	4.6	4.4	3.4	3.7	3.4	2.4	2.3
15	2.6	2.9	3.3	7.4	3.6	4.3	4.4	3.4	3.7	3.4	2.4	2.4
16	2.4	2.6	3.3	4.4	18	6.8	4.1	3.4	3.7	3.4	2.4	2.9
17	2.4	2.6	3.1	4.1	4.0	10	4.6	3.4	3.7	3.4	2.4	2.9
18	3.4	2.7	2.9	62	3.4	5.9	4.5	7.5	3.6	3.4	2.4	e2.6
19	2.9	2.6	2.9	28	3.4	4.4	4.4	2.9	3.4	3.4	2.4	e2.6
20	2.9	2.6	2.9	6.2	3.7	4.4	56	2.9	4.5	3.4	2.4	e2.6
21	3.2	2.5	2.9	4.7	3.5	4.1	11	2.9	3.4	3.4	2.4	e2.72
22	9.1	2.3	5.6	4.7	3.4	4.0	6.6	2.9	3.4	3.4	2.4	e2.7
23	3.0	2.1	2.8	4.5	3.5	4.1	18	2.9	3.4	3.5	2.4	e2.8
24	2.6	2.1	2.9	3.7	3.7	4.0	5.1	2.9	3.6	3.7	2.4	e2.7
25	2.5	2.1	2.9	3.7	3.7	4.0	4.4	2.9	4.3	3.4	2.4	e2.6
26	2.4	8.7	2.9	3.7	3.7	4.4	4.7	9.6	3.5	3.3	2.4	e2.4
27	2.4	48	2.9	12	32	8.1	4.2	3.2	3.4	3.2	2.4	e2.4
28	2.3	14	2.9	58	6.6	3.7	4.0	5.2	3.4	25	2.4	e2.5
29	2.4	3.8	3.3	4.0	---	3.4	4.5	16	3.4	3.9	2.4	e2.4
30	2.4	2.4	2.9	3.7	---	3.4	8.6	3.7	3.4	3.6	2.3	e2.7
31	2.5	---	2.9	3.7	---	3.7	---	6.5	---	9.0	2.1	---
TOTAL	122.7	162.4	128.5	241.5	145.0	316.2	207.4	129.7	146.3	147.6	112.8	71.52
MEAN	3.96	5.41	4.15	7.79	5.18	10.2	6.91	4.18	4.88	4.76	3.64	2.38
MAX	11	48	36	62	32	88	56	16	26	25	25	2.9
MIN	2.3	2.1	1.9	2.6	3.4	3.4	3.7	2.9	3.4	3.2	2.1	2.1
CFSM	1.76	2.41	1.84	3.46	2.30	4.53	3.07	1.86	2.17	2.12	1.62	1.06
IN.	2.03	2.69	2.12	3.99	2.40	5.23	3.43	2.14	2.42	2.44	1.86	1.18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 1995, BY WATER YEAR (WY)

	MEAN	2.76	4.85	7.46	5.78	10.9	6.25	6.94	4.98	4.41	3.94	3.54	2.85
MAX	3.96	14.2	19.4	13.1	35.5	10.2	29.5	9.80	8.44	7.68	7.22	4.76	
(WY)	1995	1987	1991	1989	1991	1995	1991	1985	1986	1985	1985	1988	
MIN	1.96	2.73	2.69	2.65	2.60	2.96	2.36	2.30	2.08	2.29	1.95	1.98	
(WY)	1990	1994	1990	1986	1986	1993	1986	1987	1988	1987	1988	1986	

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1985 - 1995

ANNUAL TOTAL	1827.9	1931.62	
ANNUAL MEAN	5.01	5.29	
HIGHEST ANNUAL MEAN			5.27
LOWEST ANNUAL MEAN			10.2
HIGHEST DAILY MEAN			3.39
LOWEST DAILY MEAN	92	Feb 10	88
ANNUAL SEVEN-DAY MINIMUM	1.9	Dec 1	1.9
INSTANTANEOUS PEAK FLOW	2.3	Aug 24	2.1
INSTANTANEOUS PEAK STAGE			526
INSTANTANEOUS LOW FLOW			7.33
ANNUAL RUNOFF (CFSM)	2.23		1.7
ANNUAL RUNOFF (INCHES)	30.22		2.35
10 PERCENT EXCEEDS	6.5		7.8
50 PERCENT EXCEEDS	2.9		3.4
90 PERCENT EXCEEDS	2.5		2.4

e Estimated

07274251 TOWN CREEK AT WATER VALLEY, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1976, 1988 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
MAY								
08...	1530	3.4	85	6.7	21.0	9.0	860	360
08...	1830	3.4	86	6.7	20.0	8.6	--	--
08...	2130	3.4	86	6.7	19.5	7.9	K2000	1000
09...	0030	3.4	85	6.7	18.5	7.9	--	--
09...	0330	3.4	86	6.7	18.5	8.0	1200	960
09...	0630	3.4	86	6.7	18.5	8.2	--	--
09...	0930	3.4	86	6.7	18.5	5.8	1100	680
09...	1230	3.4	86	6.7	20.5	7.0	--	--
09...	1530	3.4	86	6.8	23.0	9.2	440	180
09...	1830	3.4	87	6.8	22.0	8.7	--	--
09...	2130	3.7	85	7.1	19.5	7.9	4000	1200
10...	0030	3.7	84	6.8	18.5	7.8	--	--
10...	0330	3.7	85	6.8	17.5	7.8	K1300	1000
10...	0630	3.4	89	6.8	17.5	8.1	--	--
10...	0930	3.4	89	6.8	18.0	9.6	>6000	580
10...	1230	3.4	88	6.9	20.0	9.6	4600	300

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
MAY								
08...	0.010	0.540	0.040	<0.020	0.010	1.3	16	0.15
08...	0.010	0.540	0.040	<0.020	0.010	1.5	16	0.15
08...	0.010	0.550	0.040	<0.020	0.010	1.4	--	--
09...	0.010	0.560	0.040	<0.020	0.010	1.4	14	0.13
09...	0.010	0.570	0.040	<0.020	0.010	1.7	15	0.14
09...	0.010	0.570	0.040	<0.020	0.010	5.3	11	0.10
09...	0.010	0.570	0.040	<0.020	0.010	1.8	16	0.15
09...	0.010	0.560	0.050	<0.020	0.010	1.6	14	0.13
09...	0.010	0.550	0.040	<0.020	0.010	1.7	19	0.17
09...	0.010	0.550	0.040	<0.020	0.010	1.8	14	0.13
09...	0.010	0.550	0.030	<0.020	0.010	2.1	16	0.16
10...	0.010	0.560	0.040	0.020	0.010	1.4	14	0.14
10...	0.010	0.570	0.050	<0.020	0.010	1.4	14	0.14
10...	0.010	0.570	0.040	<0.020	0.010	1.6	17	0.16
10...	0.010	0.570	0.050	<0.020	0.010	1.9	14	0.13
10...	0.010	0.560	0.050	0.020	0.010	1.6	13	0.12

07274252 OTOUCALOFA CREEK CANAL NEAR WATER VALLEY, MS

LOCATION.--Lat 34°08'36", long 89°38'59", in SE 1/4 NE 1/4 sec.7, T.11 S., R.4 W., Chickasaw Meridian, Yalobusha County, Hydrologic Unit 08030203, on right bank at upstream side of bridge on State Highway 7 Bypass, 1.0 mi west of Water Valley, 4.2 mi upstream from mouth, and 0.1 mi downstream from Johnson Creek.

DRAINAGE AREA.--97.1 mi².

PERIOD OF RECORD.--Water years 1985 to current year.

PERIOD OF DAILY RECORD.--

DISCHARGE: July 1985 to current year.
 SPECIFIC CONDUCTANCE: August 1985 to July 1987.
 pH: October 1985 to July 1987.
 WATER TEMPERATURE: June 1985 to July 1987.
 DISSOLVED OXYGEN: August 1985 to July 1987.
 SUSPENDED SEDIMENT CONCENTRATION: July 1985 to current year.
 SUSPENDED SEDIMENT DISCHARGE: July 1985 to current year.

INSTRUMENTATION.--Water-stage recorder and crest-stage gage. Datum of gage is 250.95 ft above sea level. Automatic pumping sediment sampler since July 1985.

REMARKS.--Unpublished records of daily specific conductance, pH, water temperature, and dissolved oxygen during selected storm events are available in files of District office. Estimated daily discharges: Dec. 22-27, May 31. Discharge records good except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--10 years, 180 ft³/s, 25.17 in/yr.

EXTREMES FOR PERIOD OF DAILY RECORD.--

DISCHARGE: Maximum, 17,700 ft³/s, Feb. 19, 1991, gage height, 18.23 ft; maximum gage height, 20.10 ft, May 1, 1991; minimum, 11 ft³/s, Sept. 29, 1987.
 SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 7,520 mg/L, Nov. 30, 1991; minimum daily mean, 3 mg/L, Sept. 21-22, 1985.
 SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 172,000 tons, Dec. 1, 1991; minimum daily, 0.22 ton, Sept. 22, 1985.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum, 7,540 ft³/s, Mar. 5, gage height, 14.68 ft; minimum, 21 ft³/s, Sept. 13-15.
 SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 2,600 mg/L, Dec. 10; minimum daily mean, 11 mg/L, July 16-18.
 SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 22,500 tons, Mar. 5; minimum daily, 0.92 ton, July 17-18.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT								
04...	1245	33	82	7.3	24.0	7.9	--	--
18...	1215	42	80	6.5	16.5	8.7	--	--
NOV								
03...	1130	40	73	6.5	17.0	9.4	--	--
15...	0930	79	55	6.9	16.5	9.8	--	--
29...	1050	230	47	6.0	11.0	9.7	--	--
DEC								
13...	1500	171	48	6.7	9.0	10.6	--	--
JAN								
04...	1300	70	61	6.6	6.5	11.7	--	--
11...	1540	239	59	6.7	13.0	10.0	--	--
24...	1645	197	56	6.4	6.5	11.3	--	--
FEB								
07...	1715	142	62	7.2	6.0	11.3	--	--
23...	1000	128	49	6.4	11.0	10.4	--	--
MAR								
08...	0920	1270	29	5.9	9.0	10.5	--	--
22...	1145	128	65	7.0	18.5	9.4	--	--
28...	1330	124	65	6.5	19.0	8.9	--	--
APR								
11...	1415	320	49	7.1	19.0	8.8	--	--
18...	1200	50	66	6.4	21.0	8.6	--	--
MAY								
08...	1600	92	65	7.0	24.5	7.3	2300	380
08...	1900	92	66	6.9	23.0	7.6	--	--
08...	2200	91	64	6.7	21.5	7.7	900	430
09...	0100	91	65	6.9	21.0	7.5	--	--
09...	0400	89	66	6.9	20.5	8.0	800	310
09...	0700	89	66	6.9	20.5	7.7	--	--
09...	1000	89	66	6.9	21.5	4.7	640	250
09...	1300	88	66	7.0	25.5	6.8	--	--
09...	1600	84	67	7.0	27.5	7.3	K380	120
09...	1900	83	66	7.0	26.5	8.2	--	--
09...	2200	83	67	7.1	24.0	8.2	940	290
10...	0100	81	68	7.0	21.0	7.9	--	--
10...	0400	81	67	7.0	20.0	7.4	520	190
10...	0700	79	69	7.0	19.5	7.7	--	--
10...	1000	78	69	7.1	21.0	8.3	600	140
10...	1300	75	72	--	25.5	9.3	1000	120
16...	1030	62	70	6.9	23.0	7.4	--	--
JUN								
01...	1320	164	48	6.4	23.0	7.9	--	--
13...	1220	95	56	6.6	23.0	7.9	--	--
27...	0930	35	66	6.5	22.5	8.0	--	--
JUL								
11...	1020	36	71	6.5	26.5	7.7	--	--
26...	1030	36	77	7.0	26.0	7.6	--	--
AUG								
07...	1300	105	61	6.4	29.5	6.9	--	--
15...	0825	53	81	6.7	25.0	6.5	>6000	8800
23...	1030	35	86	6.8	25.0	6.7	--	--
SEP								
07...	1300	25	78	6.7	26.0	7.9	--	--
19...	1345	25	80	6.8	26.5	8.1	--	--

07274252 OTOUCALOFA CREEK CANAL NEAR WATER VALLEY, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

		NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)			
	OCT											
	04...	0.030	0.280	0.470	0.400	0.340	1.5	--	--			
	18...	0.010	0.340	0.240	0.190	0.180	3.0	--	--			
	NOV											
	03...	0.010	0.050	0.210	0.240	0.200	2.5	--	--			
	15...	0.010	0.430	<0.050	0.190	0.140	4.3	--	--			
	29...	0.010	0.180	<0.050	0.070	0.080	5.5	--	--			
	DEC											
	13...	0.010	0.360	<0.070	0.120	0.110	4.4	--	--			
	JAN											
	04...	0.010	0.380	0.250	0.150	0.120	2.6	--	--			
	11...	0.030	0.240	0.220	0.190	0.210	7.6	--	--			
	24...	0.010	0.230	0.360	0.130	0.140	5.8	--	--			
	FEB											
	07...	0.010	0.250	0.550	0.140	0.150	5.7	--	--			
	23...	<0.010	0.250	0.080	0.070	0.030	5.6	--	--			
	MAR											
	08...	0.030	0.100	0.200	0.120	0.120	9.9	--	--			
	22...	0.020	0.190	0.820	0.160	0.110	4.4	--	--			
	28...	0.110	0.340	0.620	0.150	0.120	5.8	--	--			
	APR											
	11...	0.050	0.310	0.120	0.290	0.180	10	--	--			
	18...	0.020	0.320	0.050	0.100	0.050	1.6	--	--			
	MAY											
	08...	0.040	0.330	0.120	0.200	0.150	4.0	57	14			
	08...	0.040	0.340	0.140	0.260	0.160	2.1	46	11			
	08...	0.050	0.350	0.130	0.220	0.170	3.9	35	8.6			
	09...	0.050	0.370	0.100	0.200	0.160	1.9	37	9.1			
	09...	0.050	0.380	0.130	0.220	0.160	4.8	41	9.9			
	09...	0.050	0.380	0.130	0.210	0.160	3.0	40	9.6			
	09...	0.050	0.380	0.110	0.200	0.160	3.2	34	8.2			
	09...	0.050	0.360	0.110	0.210	0.160	3.1	42	10			
	09...	0.050	0.360	0.110	0.220	0.170	3.3	33	7.5			
	09...	0.050	0.360	0.100	0.190	0.160	3.9	31	6.9			
	09...	0.050	0.330	0.120	0.200	0.160	2.9	32	7.2			
	10...	0.050	0.350	0.130	0.220	0.170	4.6	34	7.4			
	10...	0.050	0.360	0.120	0.190	0.160	2.9	40	8.7			
	10...	0.060	0.390	0.110	0.200	0.160	2.9	34	7.3			
	10...	0.060	0.390	0.100	0.270	0.170	2.9	30	6.3			
	10...	0.060	0.390	0.110	0.240	0.170	3.5	31	6.3			
	16...	0.030	0.320	0.150	0.200	0.180	2.0	--	--			
	JUN											
	01...	0.020	0.250	0.090	0.270	0.130	6.5	--	--			
	13...	0.020	0.200	0.140	0.190	0.160	3.2	--	--			
	27...	0.020	0.220	0.150	0.270	0.260	2.0	--	--			
	JUL											
	11...	0.020	0.280	0.120	0.220	0.210	2.9	--	--			
	26...	0.010	0.250	0.290	0.290	0.290	2.6	--	--			
	AUG											
	07...	0.020	0.200	0.140	0.220	0.180	4.7	--	--			
	15...	0.020	0.150	0.010	0.200	0.250	3.4	--	--			
	23...	0.020	0.210	0.520	0.390	0.330	2.8	--	--			
	SEP											
	07...	0.010	0.250	0.280	0.320	0.240	2.1	--	--			
	19...	0.020	0.280	0.140	0.340	0.270	9.6	--	--			
DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY LAB AS (CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	
MAY												
09...	1900	30	3.7	1.5	5.3	1.5	16	5.1	5.2	<0.10	12	
AUG												
15...	0825	15	4.4	1.6	6.4	1.9	22	3.6	7.7	0.10	13	
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	PHOS- PHORUS ORTH DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS) (01002)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS) (01003)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM RECov. FM BOT- TOM MA- TERIAL (UG/G AS CD) (01028)
MAY												
09...	38	47	0.050	0.360	0.110	0.150	290	<1	1	<1	<1	
AUG												
15...	64	54	0.010	0.150	0.230	0.250	180	<1	2	<1	<1	
DATE		CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, RECov. FM BOT- TOM MA- TERIAL (UG/G AS CO) (01029)	COBALT, RECov. FM BOT- TOM MA- TERIAL (UG/L AS CO) (01037)	COBALT, RECov. FM BOT- TOM MA- TERIAL (UG/G AS CO) (01038)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, RECov. FM BOT- TOM MA- TERIAL (UG/G AS CU) (01043)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	IRON, RECov. FM BOT- TOM MA- TERIAL (UG/G AS FE) (01170)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	
MAY												
09...	<1	<1	<1	<5	2	2	1700	850	1400	1		
AUG												
15...	<1	<1	<1	<5	4	1	1200	630	1300	<1		

WATER QUALITY DATA. WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

		LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G) AS PB (01052)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L) AS MN (01055)	MANGA- NESE, DIS- SOLVED (UG/L) AS MN (01056)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01053)	MERCURY TOTAL RECOV- ERABLE (UG/L) AS HG (71900)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G) AS HG (71921)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/L) AS SE (01147)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G) (01148)	ZINC, TOTAL RECOV- ERABLE (UG/L) AS ZN (01092)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G) AS ZN (01093)	
MAY	09...	<10	110	70	140	<0.10	<0.01	<1	<1	4	3	
AUG	15...	<10	140	120	160	0.20	<0.01	<1	<1	5	<10	
PESTICIDE ANALYSES, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995												
DATE	ALDI- CARB WATER WHOLE TOT.REC (UG/L) (82619)	ALDRIN, TOTAL (UG/L) (39330)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39333)	CARBO- FURAN WATER WHOLE TOT.REC (UG/L) (82615)	CHLOR- DANE, TECH- NICAL TOTAL (UG/L) (39350)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39351)	CHLOR- FOTON PYRIFOS TOTAL RECOVER (UG/L) (38932)	P,P'- DDD UNFILTR RECOVER (UG/L) (39360)	P,P'- DDD, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39363)	DDE, TOTAL (UG/L) (39365)	P,P'- DDE, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39368)	P,P'- DDT UNFILTR RECOVER (UG/L) (39370)
MAY	16...	<0.500	<0.010	--	<0.500	<0.100	--	<0.010	<0.010	--	<0.010	<0.010
AUG	07...	--	--	<0.100	--	--	<1.00	--	--	0.300	--	0.400
DATE	P,P'- DDT, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39373)	DEF TOTAL (UG/L) (39040)	DI- AZINON, TOTAL (UG/L) (39570)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39571)	DI- ELDRIN TOTAL (UG/L) (39380)	DI- ELDRIN TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39383)	DISUL- FOTON UNFILTR RECOVER (UG/L) (39011)	ENDO- SULFAN, I TOTAL (UG/L) (39388)	ENDO- SULFAN TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39389)	ENDRIN WATER UNFILTR REC (UG/L) (39390)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39393)	
MAY	16...	--	<0.010	<0.010	--	<0.010	--	<0.010	<0.010	--	<0.010	--
AUG	07...	0.500	--	--	<0.200	--	0.200	--	--	<0.100	--	<0.200
DATE	ETHION, TOTAL (UG/L) (39398)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39399)	FONOFOS (DY- FONATE) WATER WHOLE TOT.REC (UG/L) (82614)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39413)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	HEPTA- CHLOR EPOXIDE BOTTOM MATL. (UG/KG) (39423)	LINDANE TOTAL (UG/L) (39340)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39343)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39530)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39531)	
MAY	16...	<0.010	--	<0.010	<0.010	--	<0.010	--	<0.010	--	<0.010	--
AUG	07...	--	<0.200	--	--	<0.100	--	<0.100	--	<0.100	--	<2.00
DATE	METHIO- CARB WATER WHOLE RECOV. (UG/L) (30282)	METHO- MYL TOTAL (UG/L) (39051)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39481)	METHYL THION, TOTAL (UG/L) (39600)	METHYL THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39601)	MIREX, TOTAL (UG/L) (39755)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39758)	1-NAPH- THOL WATER WHOLE REC (UG/L) (77441)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39540)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39541)	
MAY	16...	<0.500	<0.500	<0.010	--	<0.010	--	<0.010	--	<0.500	<0.010	--
AUG	07...	--	--	--	<0.800	--	<0.200	--	<0.100	--	--	<0.200
DATE	PCB, TOTAL (UG/L) (39516)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39519)	PCNS UNFILTR RECOVER (UG/L) (39250)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39251)	PER- THANE TOTAL (UG/L) (39034)	PER- THANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (81886)	PHORATE TOTAL (UG/L) (39023)	PROPHAM TOTAL (UG/L) (39052)	PROPO- XUR WATER WHOLE RECOV. (UG/L) (30296)	CARB- ARYL UNFILTR RECOVER (UG/L) (39750)	TOX- APHENE, TOTAL (UG/L) (39400)	
MAY	16...	<0.100	--	<0.100	--	<0.100	--	<0.010	<0.500	<0.500	<0.500	<1.00
AUG	07...	--	<1.00	--	<1.00	--	<1.00	--	--	--	--	--
DATE	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39403)	TOTAL TRI- THION (UG/L) (39786)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39787)	2,4-D, TOTAL (UG/L) (39730)	2,4-d- DP TOTAL (UG/L) (82183)	2,4,5-T TOTAL (UG/L) (39740)	ALA- CHLOR TOTAL RECOVER (UG/L) (77825)	AME- TRYNE TOTAL (UG/L) (82184)	ATRA- ZINE WATER UNFILTRD REC (UG/L) (39630)	BROM- ACIL WATER WHLREC (UG/L) (30234)	BUTA- CHLOR WATER WHLREC (UG/L) (30235)	
MAY	16...	--	<0.010	--	<0.010	<0.010	<0.010	<0.100	<0.100	<0.100	<0.200	<0.100
AUG	07...	<10.0	--	<0.200	--	--	--	--	--	--	--	--

07274252 OTOUCALOFA CREEK CANAL NEAR WATER VALLEY, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	BUTYL- ATE WHLREC (UG/L) (30236)	CARBOX- IN WATER WHOLE RECOV- ERABLE (UG/L) (30245)	CYAN- AZINE TOTAL (UG/L) (81757)	CYCLO- ATE WATER WHOLE RECOV- ERABLE (UG/L) (30254)	DEETHYL ATRA- ZINE, WATER, WHOLE, TOTAL (UG/L) (75981)	DE-ISO PROPYL ATRAZIN WATER, WHOLE, TOTAL (UG/L) (75980)	DICAMBA TOTAL (UG/L) (82052)	DIPHEN- AMID WATER WHOLE RECOV- ERABLE (UG/L) (30255)	HEXAZI- NONE WATER WHOLE RECOV- ERABLE (UG/L) (30264)	METOLA- CHLOR WATER WHOLE TOT. REC (UG/L) (82612)	METRI- BUZIN WATER WHOLE TOT. REC (UG/L) (82611)
MAY 16...	<0.100	<0.200	<0.200	<0.100	<0.200	<0.200	<0.010	<0.100	0.200	<0.200	<0.100
AUG 07...	--	--	--	--	--	--	--	--	--	--	--
DATE	PIC- LORAM UNFILT RECOVER (UG/L) (39720)	PROME- TONE TOTAL (UG/L) (39056)	PROME- TRYNE TOTAL (UG/L) (39057)	PROPA- CHLOR WATER WHOLE RECOV. (UG/L) (30295)	PRO- PAZINE TOTAL (UG/L) (39024)	SILVEX, TOTAL (UG/L) (39760)	SIMA- ZINE TOTAL (UG/L) (39055)	SIME- TRYNE TOTAL (UG/L) (39054)	TER- BACIL WATER WHOLE RECOV. (UG/L) (30311)	TRI- FLURA- LIN TOTAL RECOVER (UG/L) (39030)	VER- NOLATE WATER WHOLE RECOV. (UG/L) (30324)
MAY 16...	<0.010	<0.200	<0.100	<0.100	<0.100	<0.010	<0.100	<0.100	<0.200	<0.100	<0.100
AUG 07...	--	--	--	--	--	--	--	--	--	--	--

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK) (00002)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM (80164)	BED MAT. SIEVE DIAM. % FINER THAN .125 MM (80165)	BED MAT. SIEVE DIAM. % FINER THAN .250 MM (80166)	BED MAT. SIEVE DIAM. % FINER THAN .500 MM (80167)	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM (80168)
SEP 19...	1347	25.0	<1	<1	14	78	99
SEP 19...	1349	50.0	<1	<1	16	78	99
SEP 19...	1351	75.0	<1	1	12	73	99

07274252 OTOUCALOFA CREEK CANAL NEAR WATER VALLEY, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

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	30	31	2.4	49	59	7.8	122	55	18
2	31	33	2.8	44	58	6.9	108	47	13
3	34	80	7.4	40	40	4.3	106	56	17
4	33	35	3.1	39	65	6.8	474	505	671
5	33	29	2.6	767	1900	13100	225	111	70
6	30	30	2.4	705	1350	4660	141	82	31
7	31	30	2.5	259	180	126	111	71	22
8	94	238	321	139	103	37	95	59	15
9	380	1520	2440	198	290	352	90	56	13
10	79	87	20	552	715	1450	1790	2600	15400
11	64	74	28	176	103	50	609	533	1150
12	610	1290	2580	121	82	27	244	117	80
13	148	74	30	99	73	20	179	68	33
14	86	64	15	86	64	15	146	61	24
15	69	47	8.7	80	43	9.2	138	58	22
16	57	40	6.2	73	44	8.6	143	58	22
17	48	37	4.9	69	45	8.3	136	64	23
18	52	58	10	64	45	7.9	113	71	21
19	101	111	32	60	48	7.7	101	76	21
20	62	48	8.2	57	50	7.7	99	56	15
21	95	330	170	59	52	8.3	98	44	12
22	938	1770	6500	56	54	8.4	350	63	59
23	178	87	43	49	57	7.5	195	101	53
24	97	67	18	48	52	6.6	120	75	24
25	77	61	13	46	50	6.2	105	55	16
26	67	58	11	69	166	109	95	38	10
27	59	56	8.9	1020	1690	5080	88	40	10
28	55	53	7.8	1070	1040	4380	85	46	11
29	50	54	7.3	244	109	72	89	49	12
30	48	56	7.2	156	75	32	97	52	14
31	48	58	7.6				86	52	12
JANUARY			FEBRUARY			MARCH			
1	83	52	12	142	272	102	286	142	116
2	74	51	10	130	318	113	194	67	36
3	73	52	10	121	102	33	186	99	50
4	70	53	10	110	79	23	206	153	109
5	67	56	10	104	86	24	3000	1920	22500
6	915	1370	5640	99	94	25	895	638	1590
7	462	474	839	102	83	23	3580	1680	17200
8	187	129	66	93	151	38	1240	833	2790
9	148	67	27	89	55	13	532	506	770
10	126	58	20	106	172	50	363	197	194
11	193	232	133	102	179	50	286	157	122
12	170	146	69	92	92	23	224	125	76
13	133	70	25	89	48	12	194	98	52
14	913	1010	5160	90	44	11	173	65	31
15	1290	1600	7030	92	66	17	167	51	23
16	340	278	274	1630	1860	9850	318	345	409
17	215	124	73	494	383	584	311	548	519
18	1310	1210	10800	231	110	71	251	253	197
19	2210	2590	19600	182	72	35	176	90	43
20	517	340	541	155	56	23	154	62	26
21	288	126	99	131	48	17	139	52	20
22	238	104	68	116	44	14	128	61	21
23	265	147	108	109	46	14	119	57	18
24	212	65	37	100	52	14	103	37	10
25	182	53	26	93	53	13	96	33	8.6
26	162	70	30	91	51	13	94	44	12
27	443	688	2290	1510	898	5310	377	720	1050
28	583	504	1110	795	448	1010	133	80	30
29	222	110	68				106	49	14
30	176	55	26				97	47	12
31	153	53	22				90	49	12

07274252 OTOUCALOPA CREEK CANAL NEAR WATER VALLEY, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

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	87	52	12	257	354	258	1170	1100	5690
2	81	56	12	183	92	46	1400	556	2350
3	77	60	13	129	56	20	466	656	718
4	76	55	11	158	361	176	179	422	215
5	74	47	9.4	140	186	75	116	110	35
6	70	41	7.8	110	71	21	95	70	18
7	68	37	6.7	108	64	19	86	61	14
8	64	35	6.0	96	53	14	73	65	13
9	61	33	5.4	87	36	8.5	63	69	12
10	58	31	4.8	76	34	7.0	108	59	17
11	238	1130	973	72	43	8.4	204	661	710
12	134	335	140	69	43	8.0	374	505	655
13	79	78	17	66	39	6.9	97	98	27
14	65	47	8.3	64	37	6.4	70	32	6.1
15	59	42	6.6	61	36	6.0	58	21	3.3
16	53	44	6.3	63	40	6.8	51	19	2.7
17	51	41	5.7	61	52	8.5	46	19	2.4
18	61	37	6.0	77	288	88	43	20	2.3
19	59	41	6.5	121	441	170	40	20	2.2
20	753	892	3210	72	95	19	51	69	10
21	1450	605	3070	60	55	9.0	47	58	7.4
22	279	178	139	54	34	5.1	40	36	4.0
23	1380	574	2390	51	37	5.0	36	22	2.2
24	361	160	171	47	44	5.6	36	41	4.6
25	210	86	49	46	48	5.9	51	155	23
26	163	61	27	132	170	150	44	198	24
27	136	52	19	77	81	18	33	49	4.5
28	120	51	17	165	323	413	30	32	2.6
29	120	186	70	574	918	1980	30	32	2.6
30	302	604	542	370	451	730	30	36	2.9
31				300	213	211			
JULY			AUGUST			SEPTEMBER			
1	29	31	2.4	171	398	347	24	38	2.4
2	26	25	1.8	51	47	6.6	22	33	2.0
3	24	20	1.3	46	37	4.6	22	33	2.0
4	106	348	273	565	612	1940	25	34	2.3
5	303	399	370	714	643	1590	26	43	3.1
6	139	122	54	331	480	586	24	54	3.6
7	57	47	7.5	110	94	29	23	27	1.7
8	43	28	3.2	83	64	16	22	21	1.3
9	40	50	5.4	119	104	47	23	22	1.3
10	39	91	9.5	62	28	4.6	22	32	1.9
11	35	55	5.2	53	19	2.7	22	46	2.8
12	33	55	4.8	133	170	78	22	49	2.9
13	31	37	3.2	68	75	14	21	48	2.8
14	31	20	1.7	55	20	3.0	21	38	2.2
15	30	12	1.0	49	15	2.0	21	28	1.6
16	31	11	.95	44	46	5.4	23	28	1.7
17	31	11	.92	41	65	7.2	28	31	2.4
18	30	11	.92	38	69	7.1	26	34	2.4
19	29	12	.93	36	82	7.9	24	28	1.8
20	29	14	1.1	35	158	15	24	27	1.8
21	31	16	1.3	34	142	13	25	28	1.9
22	32	16	1.4	36	13	1.3	26	27	1.9
23	32	16	1.4	33	28	2.4	27	26	1.8
24	51	48	7.2	31	52	4.4	26	24	1.7
25	39	36	3.8	30	50	4.0	28	22	1.7
26	34	28	2.6	28	48	3.7	27	23	1.7
27	31	22	1.8	27	47	3.4	27	24	1.8
28	264	460	1170	26	46	3.2	27	26	1.9
29	117	207	90	25	48	3.2	27	23	1.7
30	52	49	7.1	24	50	3.2	28	21	1.6
31	131	211	448	23	45	2.8			

07275530 PETERS (LONG) CREEK NEAR POPE, MS

LOCATION.--Lat 34°12'50", long 89°58'54", in NW 1/4 SE 1/4 sec.18, T.10 S., R.7 W., Choctaw Meridian, Panola County, Hydrologic Unit 08030203, near right bank on downstream side of bridge on county road, 1.5 mi west of Pope, 3.0 mi upstream from mouth, and 0.4 mi downstream from Bobo Bayou.

DRAINAGE AREA.--79.2 mi².

PERIOD OF RECORD.--Water years 1987 to current year.

PERIOD OF DAILY RECORD.--

DISCHARGE: December 1986 to current year.

SPECIFIC CONDUCTANCE: February to April 1987.

pH: February to April 1987.

WATER TEMPERATURE: February to April 1987.

SUSPENDED SEDIMENT CONCENTRATION: December 1986 to current year.

SUSPENDED SEDIMENT DISCHARGE: December 1986 to current year.

INSTRUMENTATION.--Sutron 8200 Data Collection Platform and crest-stage gage. Datum of gage is 182.51 ft above sea level. Automatic pumping sediment sampler since December 1986.

REMARKS.--Unpublished records of daily specific conductance, pH, and water temperature during selected storm events are available in files of District office. Estimated daily discharges: Feb. 2-26, June 6-12. Discharge records good except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--8 years, 130 ft³/s, 22.24 in/yr.

EXTREMES FOR PERIOD OF DAILY RECORD.--

DISCHARGE: Maximum, 26,500 ft³/s, Feb. 3, 1990, gage height, 19.86 ft; maximum gage height, 21.13 ft, Feb. 19, 1991; minimum, 1.6 ft³/s, Sept. 8, 9, 1988.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 6,490 mg/L, Nov. 30, 1991; minimum daily mean, 1 mg/L, July 29, 1988, Dec. 8-13, 1989, Oct. 13, 14, 1991, Oct. 26, 27, 1992.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 167,000 tons, Feb. 3, 1990; minimum daily, 0.03 ton, July 29, Oct. 12, 13, 1988.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum, 15,500 ft³/s, Mar. 5, gage height, 17.07 ft; minimum, 8.8 ft³/s, Sept. 29-30.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 1,920 mg/L, Jan. 18; minimum daily mean, 2 mg/L, July 20-23.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 47,900 tons, Mar. 5; minimum daily, 0.07 ton, Sept. 30.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NITRITE TOTAL (MG/L) AS N (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N (00610)	PHOS- PHORUS TOTAL (MG/L) AS P (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L) AS P (70507)	CARBON, ORGANIC TOTAL (MG/L) AS C (00680)
OCT												
04...	1015	12	90	7.1	21.0	9.4	<0.010	0.030	0.010	0.030	0.010	0.70
18...	1115	15	102	6.9	17.5	9.3	<0.010	0.130	0.020	0.090	0.050	1.9
NOV												
02...	1200	13	101	7.0	16.0	11.2	<0.010	0.020	<0.020	0.020	0.020	1.4
15...	1215	14	81	6.8	22.5	10.6	<0.010	0.060	<0.010	0.030	0.040	3.5
29...	1255	33	65	6.2	12.0	9.1	0.020	0.270	<0.070	0.130	0.100	6.8
DEC												
13...	1630	12	62	6.8	10.0	10.4	0.010	0.290	<0.060	0.060	0.070	4.9
JAN												
04...	1400	5.8	89	6.7	7.5	12.8	<0.010	0.230	0.010	0.040	0.020	2.0
12...	0815	12	81	6.7	14.5	9.1	0.010	0.360	0.040	0.070	0.060	8.1
24...	1500	27	68	6.3	8.0	11.2	0.010	0.360	0.050	0.100	0.080	8.6
FEB												
07...	1545	29	88	7.0	7.5	12.5	0.010	0.310	<0.010	0.040	0.020	7.9
22...	1400	10	84	6.6	14.5	11.5	<0.010	0.140	0.020	<0.020	0.030	8.6
MAR												
08...	0805	306	40	6.1	7.5	10.7	0.020	0.250	0.040	0.160	0.110	13
22...	1450	12	83	7.1	23.0	11.2	<0.010	0.080	0.010	0.030	0.020	2.8
28...	1215	7.6	94	6.8	21.0	11.3	<0.010	0.040	0.010	<0.020	0.010	2.4
APR												
11...	0945	19	93	6.9	19.0	8.2	0.010	0.070	0.010	0.130	0.050	5.4
18...	1300	6.0	102	6.7	23.0	9.0	<0.010	0.070	0.020	<0.020	0.020	1.6
MAY												
16...	0900	7.1	104	7.0	24.0	7.6	<0.010	0.040	0.030	<0.020	0.020	1.5
JUN												
01...	1215	10	90	6.8	27.0	8.6	<0.010	0.140	0.040	0.100	0.040	2.9
12...	1935	11	73	6.8	26.5	6.4	0.010	0.210	0.070	0.220	0.100	7.8
28...	0930	7.6	97	--	24.5	7.0	<0.010	0.030	0.020	<0.020	0.030	1.8
JUL												
11...	1140	4.7	97	7.3	33.5	8.3	<0.010	<0.020	0.010	0.020	0.030	2.5
26...	1400	3.8	102	7.1	32.0	8.0	<0.010	<0.020	0.030	0.020	0.040	1.7
AUG												
07...	1800	8.0	82	6.5	33.5	6.4	0.010	0.160	0.020	0.130	0.110	4.7
23...	1500	4.1	100	8.4	34.0	10.0	0.010	0.020	0.010	0.020	0.020	1.7
SEP												
07...	1100	3.8	110	7.1	26.5	9.4	0.010	0.020	0.010	0.030	0.010	1.4
19...	0915	3.6	113	6.9	21.0	7.7	0.010	0.030	0.020	0.020	0.020	12

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	ALDI- CARB WATER WHOLE TOT. REC (UG/L) (82619)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39330)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39333)	CARBO- FURAN WATER WHOLE TOT. REC (UG/L) (82615)	CHLOR- DANE, TECH- NICAL TOTAL (UG/L) (39350)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39351)	CHLOR- PYRIFOS TOTAL RECOVER (UG/L) (38932)	P,P'- DDD UNFILT RECOVER (UG/L) (39360)	P,P'- DDD RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39363)	P,P'- DDE, TOTAL (UG/L) (39365)	P,P'- DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39368)	P,P'- DDT UNFILT RECOVER (UG/L) (39370)
MAY												
16...	<0.500	<0.010	--	<0.500	<0.100	--	<0.010	<0.010	--	<0.010	--	<0.010
AUG												
07...	--	--	<0.100	--	--	<1.00	--	--	<0.100	--	0.300	--

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PESTICIDE ANALYSES, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

		P, P'- DDT, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39373)	DEF TOTAL (UG/L) (39040)	DI- AZINON, TOTAL (UG/L) (39570)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39571)	DI- ELDRIN TOTAL (UG/L) (39380)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39383)	DISUL- FOTON UNFILT RECOVER (UG/L) (39011)	ENDO- SULFAN, I TOTAL (UG/L) (39388)	ENDO SULFAN I TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39389)	ENDRIN WATER UNFLTRED REC (UG/L) (39390)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39393)
MAY 16... AUG 07...		--	<0.010	<0.010	--	<0.010	--	<0.010	<0.010	--	<0.010	--
		0.600	--	--	<0.200	--	<0.100	--	--	<0.100	--	<0.500
DATE		ETHION, TOTAL (UG/L) (39398)	ETHION, TOTAL (UG/KG) (39399)	FONOFOS (DY- FONATE) WATER WHOLE TOT.REC (UG/L) (82614)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR, TOTAL EPOXIDE MATL. (UG/L) (39413)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM (UG/KG) (39420)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM (UG/KG) (39423)	LINDANE TOTAL (UG/L) (39340)	LINDANE TOTAL (UG/KG) (39343)	MALA- THION, TOTAL (UG/L) (39530)	MALA- THION, TOTAL (UG/KG) (39531)
MAY 16... AUG 07...		<0.010	--	<0.010	<0.010	--	<0.010	--	<0.010	--	<0.010	--
		--	<0.200	--	--	<0.100	--	<0.100	--	<0.100	--	<0.200
DATE		METHIO- CARB WATER WHOLE RECOV. (UG/L) (30282)	METHO- MYL TOTAL (UG/L) (39051)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	METHYL PARA- THION, TOTAL (UG/L) (39600)	METHYL PARA- THION, TOTAL BOTTOM MATL. (UG/KG) (39601)	MIREX, TOTAL (UG/L) (39755)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39758)	1-NAPH- THOL WATER WHOLE REC (UG/L) (77441)	PARA- THION, TOTAL (UG/L) (39540)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39541)
MAY 16... AUG 07...		<0.500	<0.500	<0.010	--	<0.010	--	<0.010	--	<0.500	<0.010	--
		--	--	--	<0.800	--	<0.200	--	<0.100	--	--	<0.200
DATE		PCB, TOTAL (UG/L) (39516)	PCB, TOTAL (UG/KG) (39519)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39250)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39251)	PER- THANE TOTAL (UG/L) (39034)	PER- THANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (81886)	PHORATE TOTAL (UG/L) (39023)	PROPHAM TOTAL (UG/L) (39052)	PROPO- XUR WATER WHOLE RECOV. (UG/L) (30296)	CARB- ARYL UNFILT RECOVER (UG/L) (39750)	TOX- APHENE, TOTAL (UG/L) (39400)
MAY 16... AUG 07...		<0.100	--	<0.100	--	<0.100	--	<0.010	<0.500	<0.500	<0.500	<1.00
		--	<1.00	--	<1.00	--	<1.00	--	--	--	--	--
DATE		TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39403)	TOTAL TRI- THION (UG/L) (39786)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39787)	2, 4-D, TOTAL (UG/L) (39730)	2, 4-DP TOTAL (UG/L) (82183)	2, 4, 5-T TOTAL (UG/L) (39740)	ALA- CHLOR TOTAL RECOVER (UG/L) (77825)	AME- TRYNE TOTAL (UG/L) (82184)	ATRA- ZINE WATER UNFLTRED REC (UG/L) (39630)	BROM- ACIL WATER WHLREC (UG/L) (30234)	BUTA- CHLOR WATER WHLREC (UG/L) (30235)
MAY 16... AUG 07...		--	<0.010	--	<0.010	<0.010	<0.010	<0.100	<0.100	<0.100	<0.200	<0.100
		<10.0	--	<0.200	--	--	--	--	--	--	--	--
DATE		BUTYL- ATE WATER WHLREC (UG/L) (30236)	CARBOX- IN WATER WHOLE RECOV- ERABLE (UG/L) (30245)	CYAN- AZINE TOTAL (UG/L) (81757)	CYCLO- ATE WATER WHOLE RECOV- ERABLE (UG/L) (30254)	DEETHYL ATRA- ZINE, WATER, WHOLE, TOTAL (UG/L) (75981)	DE-ISO PROPYL ATRAZIN WATER, WHOLE, TOTAL (UG/L) (75980)	DIPHEN- AMID WATER WHOLE RECOV- ERABLE (UG/L) (82052)	HEXAZI- NONE WATER WHOLE RECOV- ERABLE (UG/L) (30264)	METOLA- CHLOR WATER WHOLE TOT. REC (UG/L) (82612)	METRI- BUZIN WATER WHOLE TOT. REC (UG/L) (82611)	
MAY 16... AUG 07...		<0.100	<0.200	<0.200	<0.100	<0.200	<0.200	<0.010	<0.100	<0.200	<0.200	<0.100
		--	--	--	--	--	--	--	--	--	--	--
DATE		PIC- LORAM UNFILT RECOVER (UG/L) (39720)	PROME- TONE TOTAL (UG/L) (39056)	PROME- TRYNE TOTAL (UG/L) (39057)	PROPA- CHLOR WATER WHOLE RECOV. (UG/L) (30295)	PRO- PAZINE TOTAL (UG/L) (39024)	SILVEX, TOTAL (UG/L) (39760)	SIMA- ZINE TOTAL (UG/L) (39055)	SIME- TRYNE TOTAL (UG/L) (39054)	TER- BACIL WATER WHOLE RECOV. (UG/L) (30311)	TRI- FLURA- LIN TOTAL RECOVER (UG/L) (39030)	VER- NOLATE WATER WHOLE RECOV. (UG/L) (30324)
MAY 16... AUG 07...		<0.010	<0.200	<0.100	<0.100	<0.100	<0.010	<0.100	<0.100	<0.200	<0.100	<0.100
		--	--	--	--	--	--	--	--	--	--	--

YAZOO RIVER BASIN

07275530 PETERS (LONG) CREEK NEAR POPE, MS--Continued

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK) (000002)	BED MAT. SIEVE DIAM. % FINER THAN (80164)	BED MAT. SIEVE DIAM. % FINER THAN (80165)	BED MAT. SIEVE DIAM. % FINER THAN (80166)	BED MAT. SIEVE DIAM. % FINER THAN (80167)	BED MAT. SIEVE DIAM. % FINER THAN (80168)	BED MAT. SIEVE DIAM. % FINER THAN (80169)	BED MAT. SIEVE DIAM. % FINER THAN (80170)
SEP									
19...	0917	25.0	<1	<1	5	72	97	99	100
19...	0919	50.0	<1	<1	2	64	92	98	100
19...	0921	75.0	<1	<1	2	64	96	99	100

07275530 PETERS (LONG) CREEK NEAR POPE, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
OCTOBER			NOVEMBER			DECEMBER			
1	12	11	.36	15	18	.73	22	26	1.6
2	12	11	.37	15	23	.95	21	23	1.3
3	13	11	.39	15	18	.76	22	23	1.4
4	12	13	.44	15	14	.59	76	52	13
5	12	15	.50	47	103	25	48	30	4.1
6	12	16	.52	35	55	6.0	34	20	1.8
7	12	16	.54	20	35	1.9	32	19	1.7
8	20	73	15	18	25	1.2	31	19	1.6
9	92	221	87	89	214	130	33	21	1.9
10	20	37	2.0	98	157	67	1380	935	5870
11	17	24	1.3	27	36	2.7	174	117	75
12	350	415	702	21	26	1.5	60	41	6.7
13	29	52	4.3	19	20	1.1	39	33	3.5
14	19	27	1.4	19	16	.82	31	27	2.2
15	18	21	1.0	18	18	.85	29	23	1.8
16	17	18	.79	18	18	.87	33	19	1.7
17	16	16	.67	18	16	.75	34	18	1.7
18	35	96	23	18	14	.67	29	23	1.8
19	99	211	102	18	13	.64	25	21	1.5
20	21	28	1.6	18	13	.63	24	18	1.2
21	17	17	.80	20	12	.65	23	19	1.2
22	37	46	5.2	19	11	.56	52	114	23
23	22	25	1.5	18	10	.49	28	21	1.9
24	17	17	.76	17	10	.46	26	19	1.3
25	16	14	.60	17	10	.46	24	17	1.1
26	15	14	.58	19	10	.53	23	16	1.0
27	15	14	.56	1550	1020	18700	22	17	1.0
28	15	14	.56	584	334	1290	22	17	.98
29	15	14	.59	50	60	8.7	24	15	.97
30	15	16	.65	27	31	2.3	26	14	.98
31	15	16	.66				24	14	.87
JANUARY			FEBRUARY			MARCH			
1	23	13	.82	33	20	1.8	80	36	8.1
2	22	13	.79	28	18	1.4	42	25	2.8
3	21	15	.84	25	16	1.1	36	21	2.1
4	21	16	.92	24	16	1.0	39	25	3.0
5	21	15	.85	24	15	.97	4430	1760	47900
6	1200	891	6720	26	15	1.0	604	401	1140
7	280	83	84	29	28	2.2	3870	1570	19400
8	72	31	6.2	26	14	.98	437	191	309
9	51	25	3.5	25	14	.94	163	61	27
10	45	23	2.9	25	14	.94	103	40	11
11	41	25	2.8	26	15	1.0	78	27	5.6
12	38	23	2.4	24	16	1.0	64	21	3.7
13	37	22	2.3	24	18	1.2	54	18	2.6
14	507	498	1550	24	16	1.0	47	17	2.2
15	303	122	150	26	16	1.2	46	17	2.1
16	86	33	7.6	140	127	57	111	122	110
17	58	28	4.4	76	50	11	146	110	59
18	2490	1920	25300	40	33	3.6	74	36	7.5
19	1570	610	6080	33	25	2.2	52	21	3.0
20	185	57	30	30	20	1.6	45	18	2.2
21	85	32	7.6	28	18	1.3	39	18	1.9
22	64	49	9.1	27	19	1.4	38	23	2.4
23	81	60	13	26	21	1.5	36	19	1.9
24	66	40	7.7	25	19	1.3	32	15	1.3
25	50	23	3.1	25	17	1.1	30	13	1.1
26	44	32	3.9	25	15	1.0	30	11	.93
27	45	45	5.5	1430	625	4540	30	11	.93
28	48	78	10	320	92	76	27	16	1.2
29	40	38	4.2				27	15	1.1
30	35	24	2.3				26	14	.99
31	33	22	2.0				26	14	1.0

YAZOO RIVER BASIN

07275530 PETERS (LONG) CREEK NEAR POPE, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
APRIL			MAY			JUNE			
1	26	15	1.0	121	48	16	32	29	2.6
2	26	15	1.0	73	40	8.0	32	18	1.6
3	24	14	.92	44	27	3.2	29	16	1.3
4	25	13	.88	110	273	117	27	15	1.1
5	23	12	.76	57	120	20	28	15	.97
6	23	11	.67	40	65	7.3	24	14	.91
7	22	10	.60	52	82	14	23	14	.87
8	20	9	.52	37	16	1.6	22	13	.77
9	20	9	.46	35	14	1.3	21	13	.74
10	19	8	.40	32	13	1.1	24	12	.78
11	53	65	12	30	11	.92	60	36	5.8
12	27	20	1.5	29	10	.81	238	51	33
13	21	13	.73	29	11	.85	28	22	1.7
14	21	10	.56	28	12	.90	25	12	.77
15	21	8	.48	28	12	.89	24	11	.74
16	22	8	.49	27	10	.76	23	12	.75
17	23	8	.49	27	11	.80	23	14	.89
18	23	7	.44	34	42	5.0	23	17	1.1
19	22	13	.76	37	58	7.1	63	144	126
20	43	73	31	26	18	1.3	80	103	46
21	279	259	351	25	15	1.1	32	15	1.3
22	47	40	5.1	25	14	.96	29	14	1.1
23	611	690	1890	24	14	.89	26	13	.93
24	106	63	19	24	13	.82	135	306	385
25	53	33	4.7	24	11	.72	52	23	4.7
26	44	21	2.4	24	10	.65	30	7	.55
27	40	16	1.8	23	10	.63	28	9	.71
28	38	13	1.4	62	140	37	29	14	1.1
29	37	13	1.3	50	140	40	28	15	1.1
30	517	539	1440	74	188	66	29	14	1.1
31				28	33	2.5			
JULY			AUGUST			SEPTEMBER			
1	28	13	.95	24	45	3.0	11	4	.11
2	27	11	.83	16	10	.45	11	3	.10
3	28	11	.82	14	5	.19	11	3	.09
4	32	11	.96	299	964	2930	12	4	.11
5	1040	875	4450	784	823	4350	11	7	.21
6	148	47	26	100	174	82	10	15	.41
7	34	27	2.5	33	21	2.0	10	20	.55
8	24	21	1.3	22	11	.64	10	4	.10
9	21	16	.91	19	7	.37	10	3	.09
10	21	13	.72	19	7	.36	10	4	.10
11	19	11	.55	18	7	.34	10	4	.11
12	18	8	.41	18	7	.32	10	5	.13
13	18	6	.31	17	6	.27	9.8	5	.13
14	18	5	.23	17	4	.20	9.6	4	.11
15	17	4	.18	16	2	.11	9.4	4	.10
16	16	3	.14	15	3	.10	11	4	.11
17	16	3	.13	14	4	.14	11	3	.10
18	16	3	.13	14	5	.18	10	3	.09
19	16	3	.11	14	4	.15	9.4	4	.10
20	16	2	.10	14	3	.13	10	5	.14
21	17	2	.09	13	3	.11	11	6	.17
22	17	2	.09	14	3	.13	10	4	.12
23	17	2	.09	13	4	.14	9.6	6	.16
24	57	120	43	13	4	.15	9.5	8	.21
25	19	9	.47	13	5	.17	9.4	7	.18
26	16	8	.37	13	5	.16	9.3	6	.14
27	16	18	.82	12	4	.14	9.2	4	.11
28	16	3	.14	12	4	.13	9.0	4	.09
29	32	116	14	11	4	.12	8.9	3	.08
30	16	16	.71	11	4	.12	8.8	3	.07
31	16	8	.36	11	4	.12			

07277700 HICKAHALA CREEK NEAR SENATOBIA, MS

LOCATION.--Lat 34°37'54", long 89°55'30", in SE 1/4 NW 1/4 sec.22, T.5 S., R.7 W., Chickasaw Meridian, Tate County, Hydrologic Unit 08030204, on left bank at downstream side of bridge on county road, 1.7 mi east of Senatobia, 1.5 mi upstream from mouth, and 0.9 mi downstream from Basket Creek.

DRAINAGE AREA.--121 mi².

PERIOD OF RECORD.--Water years 1975, 1986 to current year.

PERIOD OF DAILY RECORD.--

DISCHARGE: February 1986 to current year.
 SPECIFIC CONDUCTANCE: February 1986 to October 1989.
 pH: February 1986 to October 1989.
 WATER TEMPERATURE: February 1986 to October 1989.
 DISSOLVED OXYGEN: February 1986 to October 1989.
 SUSPENDED SEDIMENT CONCENTRATION: February 1986 to current year.
 SUSPENDED SEDIMENT DISCHARGE: February 1986 to current year.

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 233.02 ft above sea level. September 4, 1942 to February 6, 1986, discharge measurements and gage height record at same site and datum in files of U.S. Army Corps of Engineers, Vicksburg District. Automatic pumping sediment sampler since February 1986.

REMARKS.--Unpublished records of daily specific conductance, pH, water temperature, and dissolved oxygen during selected storm events are available in files of District office. Estimated daily discharges: Oct. 20-Dec. 9, 11-14, 24-27, Jan. 20-27, Mar. 16-21, 24-28, May 1-2, June 28-July 3, 9-13, Aug. 9-11, 13-23, Sept. 15-19. Discharge records fair except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--9 years, 129 ft³/s, 22.33 in/yr.

EXTREMES FOR PERIOD OF DAILY RECORD.--

DISCHARGE: Maximum, 19,100 ft³/s, Feb. 3, 1990, gage height, 19.91 ft; minimum, 22 ft³/s, all or part of each day, July 4-11, 1988.
 SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 5,110 mg/L, Feb. 21, 1989; minimum daily mean, 2 mg/L, Oct. 16, 1987.
 SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 118,000 tons, Feb. 3, 1990; minimum daily, 0.15 ton, Oct. 16, 1987.

EXTREMES OUTSIDE PERIOD OF RECORD.--

DISCHARGE: Flood of June 22, 1947, reached a stage of 20.6 ft, from flood mark (from information by U.S. Army Corps of Engineers).

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum, 5,280 ft³/s, Aug. 5, gage height, 15.72 ft; minimum, 36 ft³/s, July 14-16.
 SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 1,520 mg/L, Mar. 7; minimum daily mean, 5 mg/L, Mar. 30.
 SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 12,200 tons, Mar. 7; minimum daily, 0.75 ton, Mar. 30.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT								
05...	1000	49	58	6.8	18.0	9.4	--	--
18...	0930	49	63	6.7	16.0	8.4	--	--
NOV								
02...	1330	50	61	7.1	17.0	10.7	--	--
14...	1240	41	60	6.7	20.5	10.2	--	--
29...	1430	110	71	6.3	12.5	8.8	--	--
DEC								
14...	1045	66	63	7.1	9.0	11.8	--	--
JAN								
04...	1515	65	65	6.8	8.5	11.4	--	--
12...	1115	65	73	6.9	16.5	9.2	--	--
24...	1200	76	74	6.1	6.5	11.9	--	--
FEB								
07...	1430	51	70	7.2	7.0	11.5	--	--
15...	0630	61	59	5.9	11.0	10.4	K72	350
15...	0930	62	76	6.4	11.5	10.6	--	--
15...	1230	63	62	7.0	13.0	10.4	K45	160
15...	1530	64	63	7.0	14.5	10.0	--	--
15...	1830	65	76	7.2	12.5	10.2	K63	170
15...	2130	65	61	7.1	13.0	9.1	--	--
16...	0030	64	80	7.1	14.0	10.2	K60	290
16...	0330	176	79	6.9	13.0	9.7	--	--
16...	0630	2020	54	6.7	11.0	10.2	K6700	E15000
16...	0930	2100	54	6.7	12.0	9.7	--	--
16...	1230	1590	60	6.8	9.0	9.9	K9700	K15000
16...	1530	954	61	6.8	9.5	10.0	--	--
16...	1830	582	58	6.8	9.0	11.6	3700	K13000
16...	2130	414	61	6.8	8.5	10.4	--	--
17...	0030	314	63	6.8	8.5	10.2	K4400	8000
17...	0330	258	65	6.7	8.5	10.5	--	--
17...	0630	224	61	6.8	6.5	10.4	4900	4900
23...	0700	50	68	6.6	10.5	10.1	--	--
MAR								
07...	1530	4100	32	6.1	13.5	9.1	--	--
23...	0915	56	70	7.2	19.5	10.0	--	--
28...	0945	53	72	7.0	16.5	10.5	--	--
APR								
11...	1100	61	69	7.0	19.5	9.5	--	--
18...	1500	43	64	6.8	24.0	8.9	--	--
MAY								
15...	1630	51	69	7.5	29.5	8.0	--	--
JUN								
01...	1020	174	64	6.3	21.5	7.1	--	--
12...	1330	78	106	6.7	26.5	7.3	--	--
28...	1100	46	63	7.0	23.5	8.0	--	--
JUL								
11...	1335	44	64	7.0	33.5	6.7	--	--
27...	0915	79	59	6.8	24.5	7.5	--	--
AUG								
07...	1530	162	54	6.3	29.0	7.0	--	--
15...	1030	45	64	7.1	29.0	8.0	140	65
23...	1345	43	60	7.1	30.0	7.7	--	--
SEP								
06...	1230	40	61	6.9	26.0	8.3	--	--
19...	1045	42	60	6.9	21.0	8.7	--	--

YAZOO RIVER BASIN

07277700 HICKAHALA CREEK NEAR SENATOBIA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

		NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)			
OCT												
05...		<0.010	0.200	0.010	<0.020	0.010	0.40	--	--			
18...		<0.010	0.270	0.020	0.020	0.020	0.80	--	--			
NOV												
02...		<0.010	0.230	<0.030	<0.020	0.010	0.80	--	--			
14...		<0.010	0.200	<0.020	0.050	0.030	2.3	--	--			
29...		0.020	0.280	<0.090	0.220	0.200	7.3	--	--			
DEC												
14...		0.010	0.540	<0.070	0.090	0.070	4.0	--	--			
JAN												
04...		<0.010	0.610	0.020	<0.020	0.020	1.6	--	--			
12...		0.010	0.740	0.050	0.090	0.060	--	--	--			
24...		0.010	0.810	0.050	0.090	0.080	7.6	--	--			
FEB												
07...		<0.010	0.710	0.020	0.020	0.030	6.2	--	--			
15...		<0.010	0.700	0.080	0.050	0.030	7.4	35	5.8			
15...		0.010	0.700	0.090	0.060	0.030	7.1	38	6.4			
15...		0.010	0.710	0.090	0.040	0.030	7.1	32	5.4			
15...		0.010	0.710	0.090	0.030	0.030	7.6	29	5.0			
15...		0.010	0.700	0.080	0.030	0.030	7.1	--	--			
15...		0.010	0.690	0.070	0.030	0.030	7.1	39	6.8			
16...		0.010	0.690	0.070	0.040	0.030	6.9	51	8.8			
16...		0.020	0.550	0.100	0.480	0.100	8.6	3330	1580			
16...		0.040	0.400	0.190	0.760	0.230	16	2350	12800			
16...		0.040	0.400	0.180	0.540	0.260	16	1560	8850			
16...		0.040	0.480	0.640	0.630	0.360	19	942	4040			
16...		0.030	0.480	0.570	0.680	0.340	20	656	1690			
16...		0.040	0.510	0.480	0.500	0.330	19	506	795			
16...		0.030	0.490	0.350	0.340	0.230	18	255	285			
17...		0.020	0.490	0.290	0.370	0.190	17	222	188			
17...		0.030	0.500	0.250	0.330	0.190	16	133	93			
17...		0.030	0.510	0.220	0.270	0.170	15	127	77			
23...		<0.010	0.590	0.020	0.020	0.040	6.4	--	--			
MAR												
07...		0.050	0.210	0.110	0.410	0.270	17	--	--			
23...		<0.010	0.460	0.010	0.030	0.020	2.3	--	--			
28...		<0.010	0.340	0.020	<0.020	0.010	2.4	--	--			
APR												
11...		0.010	0.290	0.020	0.040	0.020	3.2	--	--			
18...		<0.010	0.300	0.020	0.050	0.020	0.80	--	--			
MAY												
15...		0.010	0.270	0.030	0.020	0.030	1.5	--	--			
JUN												
01...		0.020	0.420	0.100	0.260	0.140	8.7	--	--			
12...		0.010	0.370	0.090	0.140	0.100	6.3	--	--			
28...		0.010	0.430	0.050	0.020	0.030	1.3	--	--			
JUL												
11...		0.010	0.210	0.020	0.030	0.040	1.4	--	--			
27...		0.020	0.300	0.060	0.140	0.130	5.8	--	--			
AUG												
07...		0.020	0.320	0.120	0.250	0.140	5.6	--	--			
15...		0.010	0.100	0.020	0.020	0.030	1.0	--	--			
23...		0.010	0.150	0.020	0.020	0.020	0.80	--	--			
SEP												
06...		0.010	0.240	0.020	0.030	0.020	0.70	--	--			
19...		0.010	0.250	0.020	0.020	0.010	6.0	--	--			
DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	
FEB												
16...	0930	240	2.9	1.3	2.9	2.7	9.7	4.2	2.9	<0.10	7.7	
AUG												
15...	1030	5	3.9	1.5	5.8	1.3	23	1.2	4.9	<0.10	13	
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/L AS AS) (01002)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/L AS AS) (01003)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01028)
FEB												
16...	46	33	0.010	0.400	0.100	0.090	11000	10	2	<1	<1	
AUG												
15...	50	46	0.010	0.100	0.030	0.020	190	<1	<1	<1	<1	
DATE		CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, RECOV- ERABLE TOM MA- TERIAL (UG/G) (01029)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	COBALT, FM BOT- TOM MA- TERIAL (UG/G AS CO) (01038)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, FM BOT- TOM MA- TERIAL (UG/G AS CU) (01043)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	IRON, FM BOT- TOM MA- TERIAL (UG/G AS FE) (01170)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	
FEB												
16...	16	4	8	<5	18	4	19000	560	3800	14		
AUG												
15...	<1	<1	<1	<5	1	<1	530	250	500	<1		

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

		LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB) (01052)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01053)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG) (71921)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/L AS SE) (01147)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G) (01148)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G) AS ZN) (01093)	
FEB	16...	<10	840	160	340	0.20	0.01	<1	<1	60	10	
AUG	15...	<10	88	78	24	<0.10	<0.01	<1	<1	<4	<10	
PESTICIDE ANALYSES, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995												
DATE	ALDI- CARB WATER WHOLE TOT.REC (UG/L) (82619)	ALDRIN, TOTAL (UG/L) (39330)	ALDRIN, IN BOT- TOM MA- TERIAL (UG/KG) (39333)	CARBO- FURAN WATER WHOLE TOT.REC (82615)	CHLOR- DANE, TECH- NICAL (UG/L) (39350)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39351)	CHLOR- PYRIPOS TOTAL RECOVER (UG/L) (38932)	P,P'- DDD UNFILTR RECOVER (UG/L) (39360)	P,P'- DDD, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39363)	DDE, TOTAL (UG/L) (39365)	P,P'- DDE, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39368)	P,P'- DDT UNFILTR RECOVER (UG/L) (39370)
MAY	15...	<0.500	<0.010	--	<0.500	<0.100	--	<0.010	<0.010	--	<0.010	--
AUG	07...	--	--	<0.100	--	--	<1.00	--	--	<0.100	--	0.200
DATE	P,P'- DDT, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39373)	DEF TOTAL (UG/L) (39040)	DI- AZINON, TOTAL (UG/L) (39570)	DI- AZINON, IN BOT- TOM MA- TERIAL (UG/KG) (39571)	DI- ELDRIN TOTAL (UG/L) (39380)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39383)	DISUL- FOTON UNFILTR RECOVER (UG/L) (39011)	ENDO- SULFAN, I TOTAL (UG/L) (39388)	ENDO- SULFAN, I TOTAL (UG/L) (39389)	ENDRIN WATER UNFILTRD REC (UG/L) (39390)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39393)	
MAY	15...	--	<0.010	<0.010	--	<0.010	--	<0.010	<0.010	--	<0.010	--
AUG	07...	0.200	--	--	<0.200	--	<0.100	--	--	<0.100	--	<0.100
DATE	ETHION, TOTAL (UG/L) (39398)	ETHION, TOTAL (UG/KG) (39399)	FONOFOS (DY- FONATE) WATER WHOLE TOT.REC (UG/L) (82614)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR, IN BOT- TOM MA- TERIAL (UG/KG) (39413)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	HEPTA- CHLOR EPOXIDE MATL. TOTAL (UG/KG) (39423)	LINDANE TOTAL (UG/L) (39340)	LINDANE TOTAL (UG/KG) (39343)	MALA- THION, TOTAL (UG/L) (39530)	MALA- THION, IN BOT- TOM MA- TERIAL (UG/KG) (39531)	
MAY	15...	<0.010	--	<0.010	<0.010	--	<0.010	--	<0.010	--	<0.010	--
AUG	07...	--	<0.200	--	--	<0.100	--	<0.100	--	<0.100	--	<2.00
DATE	METHIO- CARB WATER WHOLE RECOV. (UG/L) (30282)	METHO- MYL TOTAL (UG/L) (39051)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	METH- OXY- CHLOR, TOT. IN BOTOM MATL. (UG/KG) (39481)	METHYL THION, TOTAL (UG/L) (39600)	METHYL THION, TOT. IN BOTOM MATL. (UG/KG) (39601)	MIREX, TOTAL (UG/L) (39755)	MIREX, TOTAL (UG/KG) (39758)	1-NAPH- THOL WATER WHOLE REC (UG/L) (77441)	PARA- THION, TOTAL (UG/L) (39540)	PARA- THION, IN BOT- TOM MA- TERIAL (UG/KG) (39541)	
MAY	15...	<0.500	<0.500	<0.010	--	<0.010	--	<0.010	--	<0.500	<0.010	--
AUG	07...	--	--	--	<0.800	--	<0.200	--	<0.100	--	--	<0.200
DATE	PCB, TOTAL (UG/L) (39516)	PCB, TOTAL (UG/KG) (39519)	PCNS UNFILTR RECOVER (UG/L) (39250)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39251)	PER- THANE TOTAL (UG/L) (39034)	PER- THANE TOTAL (UG/KG) (81886)	PHORATE TOTAL (UG/L) (39023)	PROPHAM TOTAL (UG/L) (39052)	PROPO- XUR WATER WHOLE RECOV. (UG/L) (30296)	CARB- ARYL UNFILTR RECOVER (UG/L) (39750)	TOX- APHENE, TOTAL (UG/L) (39400)	
MAY	15...	<0.100	--	<0.100	--	<0.100	--	<0.010	<0.500	<0.500	<0.500	<1.00
AUG	07...	--	<1.00	--	<1.00	--	<1.00	--	--	--	--	--
DATE	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39403)	TOTAL TRI- THION (UG/L) (39786)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39787)	2,4-D, TOTAL (UG/L) (39730)	2, 4-DP TOTAL (UG/L) (82183)	2,4,5-T TOTAL (UG/L) (39740)	ALA- CHLOR TOTAL RECOVER (UG/L) (77825)	AME- TRYNE TOTAL (UG/L) (82184)	ATRA- ZINE WATER UNFILTRD REC (UG/L) (39630)	BROM- ACIL WATER WHLREC (UG/L) (30234)	BUTA- CHLOR WATER WHLREC (UG/L) (30235)	
MAY	15...	--	<0.010	--	<0.010	<0.010	<0.010	<0.100	<0.100	0.100	<0.200	<0.100
AUG	07...	<10.0	--	<0.200	--	--	--	--	--	--	--	--

YAZOO RIVER BASIN

07277700 HICKAHALA CREEK NEAR SENATOBIA, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	BUTYL- ATE WATER WHLREC (UG/L) (30236)	CARBOX- IN WATER WHOLE RECOV- ERABLE (UG/L) (30245)	CYAN- AZINE TOTAL (UG/L) (81757)	CYCLO- ATE WATER WHOLE RECOV- ERABLE (UG/L) (30254)	DEETHYL ATRA- ZINE, WATER, WHOLE, TOTAL (UG/L) (75981)	DE-ISO PROPYL ATRAZIN WATER, WHOLE, TOTAL (UG/L) (75980)	DICAMBA TOTAL (UG/L) (82052)	DIPHEN- AMID WATER WHOLE RECOV- ERABLE (UG/L) (30255)	HEXAZI- NONE WATER WHOLE RECOV- ERABLE (UG/L) (30264)	METOLA- CHLOR WATER WHOLE TOT. REC (UG/L) (82612)	METRI- BUZIN WATER WHOLE TOT. REC (UG/L) (82611)
MAY 15...	<0.100	<0.200	<0.200	<0.100	<0.200	<0.200	<0.010	<0.100	<0.200	<0.200	<0.100
AUG 07...	--	--	--	--	--	--	--	--	--	--	--
DATE	PIC- LORAM UNFILT RECOVER (UG/L) (39720)	PROME- TONE TOTAL (UG/L) (39056)	PROME- TRYNE TOTAL (UG/L) (39057)	PROPA- CHLOR WATER WHOLE RECOV. (UG/L) (30295)	PRO- PAZINE TOTAL (UG/L) (39024)	SILVEX, TOTAL (UG/L) (39760)	SIMA- ZINE TOTAL (UG/L) (39055)	SIME- TRYNE TOTAL (UG/L) (39054)	TER- BACIL WATER WHOLE RECOV. (UG/L) (30311)	TRI- FLURA- LIN TOTAL RECOVER (UG/L) (39030)	VER- NOLATE WATER WHOLE RECOV. (UG/L) (30324)
MAY 15...	<0.010	<0.200	<0.100	<0.100	<0.100	<0.010	<0.100	<0.100	<0.200	<0.100	<0.100
AUG 07...	--	--	--	--	--	--	--	--	--	--	--

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK) (00002)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM (80164)	BED MAT. SIEVE DIAM. % FINER THAN .125 MM (80165)	BED MAT. SIEVE DIAM. % FINER THAN .250 MM (80166)	BED MAT. SIEVE DIAM. % FINER THAN .500 MM (80167)	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM (80168)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)
SEP 19...	1047	25.0	<1	<1	6	39	83	100	--
19...	1049	50.0	<1	<1	2	54	95	98	99
19...	1051	75.0	<1	<1	5	69	99	--	--

YAZOO RIVER BASIN

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07277700 HICKAHALA CREEK NEAR SENATOBIA, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
OCTOBER			NOVEMBER			DECEMBER			
1	45	45	5.4	51	52	28	86	85	46
2	46	27	3.3	48	51	28	75	78	43
3	49	23	3.1	51	67	37	67	117	64
4	48	21	2.7	52	77	43	110	124	68
5	47	18	2.3	70	82	46	155	164	89
6	47	18	2.3	82	88	49	90	74	40
7	47	20	2.5	56	108	60	72	65	35
8	49	20	2.7	55	849	469	67	67	37
9	62	19	3.2	70	304	172	67	69	38
10	53	19	2.8	150	150	85	1040	920	3420
11	49	20	2.6	54	111	62	153	149	119
12	68	36	6.9	45	125	69	110	84	46
13	70	36	6.8	43	126	70	82	68	37
14	54	24	3.5	41	104	58	76	61	23
15	49	22	2.9	41	91	51	69	90	17
16	49	21	2.8	41	51	28	85	139	32
17	48	20	2.6	41	34	19	98	169	45
18	50	18	2.5	41	55	31	75	119	24
19	61	20	3.3	41	51	28	67	99	18
20	56	24	2.5	44	54	30	65	88	16
21	51	30	3.3	63	90	49	64	79	14
22	77	35	14	47	81	44	1210	762	3120
23	58	33	18	43	66	36	319	198	183
24	47	30	16	43	52	29	173	111	52
25	47	27	15	43	37	20	126	119	40
26	43	26	14	50	66	36	96	134	35
27	43	31	17	160	689	2240	77	130	27
28	47	39	21	532	506	1010	71	123	23
29	44	47	26	120	146	80	68	117	21
30	47	49	27	110	102	56	66	110	20
31	48	50	28				65	100	18
JANUARY			FEBRUARY			MARCH			
1	64	71	12	57	101	16	69	82	15
2	63	48	8.1	55	96	14	60	72	12
3	62	33	5.4	54	91	13	55	63	9.3
4	61	23	3.8	52	81	11	55	56	8.3
5	61	21	3.4	51	55	7.6	1260	1020	4380
6	894	1010	4260	50	36	4.8	508	424	704
7	454	378	657	51	24	3.3	2760	1520	12200
8	138	170	64	52	26	3.6	877	312	992
9	89	119	29	52	31	4.3	252	101	69
10	73	83	16	55	37	5.5	171	84	39
11	68	57	10	55	44	6.5	134	68	25
12	64	41	7.0	54	51	7.4	101	45	12
13	60	39	6.3	54	46	6.7	84	30	6.7
14	172	86	73	56	39	6.0	75	20	4.0
15	210	84	57	63	35	6.0	66	15	2.7
16	83	52	12	1000	1200	4130	62	12	1.8
17	65	45	8.0	196	128	70	60	10	.96
18	854	813	4020	100	99	27	59	9	.95
19	1330	884	3910	71	76	15	59	11	1.5
20	290	145	126	63	58	9.8	58	15	1.9
21	149	57	23	56	44	6.7	58	19	2.1
22	114	43	13	52	34	4.7	57	24	3.8
23	88	36	8.6	51	30	4.1	56	28	4.2
24	76	31	6.4	49	39	5.1	56	20	1.7
25	68	44	8.0	48	39	5.0	55	14	.98
26	64	65	11	47	37	4.7	54	13	1.2
27	137	179	84	234	196	191	53	12	.82
28	386	417	516	149	94	38	52	13	1.2
29	124	140	47				51	6	.81
30	71	122	24				50	5	.75
31	60	108	18				50	6	.82

YAZOO RIVER BASIN

07277700 HICKAHALA CREEK NEAR SENATOBIA, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
APRIL			MAY			JUNE			
1	50	7	.94	78	163	89	202	221	155
2	49	8	1.1	68	83	28	125	67	23
3	49	9	1.1	62	42	7.2	85	53	12
4	48	9	1.2	144	100	50	68	42	7.8
5	48	10	1.3	84	63	15	64	34	5.9
6	48	11	1.4	299	268	1160	63	27	4.6
7	47	12	1.5	673	394	1240	64	21	3.7
8	47	13	1.6	111	54	17	62	17	2.9
9	46	15	1.9	74	21	4.2	60	14	2.3
10	46	26	3.2	62	18	3.1	59	12	1.8
11	58	44	6.9	57	17	2.7	173	345	268
12	49	63	8.2	57	18	2.8	102	174	58
13	45	72	8.8	57	21	3.2	60	67	11
14	44	24	2.9	54	23	3.4	50	46	6.2
15	44	7	.88	50	26	3.5	48	40	5.2
16	44	8	.92	47	19	2.4	47	35	4.4
17	43	10	1.2	46	18	2.3	49	30	4.0
18	43	20	2.3	726	1150	4630	48	26	3.4
19	44	30	3.6	170	78	51	47	23	2.9
20	248	246	373	74	26	5.3	48	20	2.7
21	432	523	1060	62	18	2.9	234	1050	1220
22	67	37	7.0	58	17	2.7	106	346	176
23	332	199	238	57	18	2.7	50	57	7.8
24	97	38	11	62	18	3.0	47	29	3.7
25	58	26	4.0	55	18	2.6	71	42	15
26	53	22	3.1	55	16	2.3	73	63	15
27	50	18	2.4	56	14	2.2	47	28	3.6
28	49	15	2.0	1640	1260	7940	46	37	4.7
29	50	15	2.0	841	554	2100	46	39	5.0
30	285	354	374	158	82	37	46	35	4.4
31				496	821	2020			
JULY			AUGUST			SEPTEMBER			
1	46	17	2.2	52	17	2.3	39	48	5.1
2	44	16	2.1	53	13	1.9	39	94	9.9
3	46	17	2.1	48	13	1.7	40	64	7.0
4	47	17	2.2	569	814	6910	43	38	4.4
5	558	807	1710	2320	1140	12000	42	22	2.5
6	114	173	60	207	163	93	42	15	1.7
7	59	67	11	134	106	39	42	19	2.2
8	52	37	5.2	76	57	12	41	16	1.8
9	50	32	4.2	58	39	7.2	39	13	1.4
10	47	28	3.6	55	37	7.0	39	11	1.2
11	44	24	2.8	54	36	6.0	39	10	1.1
12	41	19	2.1	53	34	4.9	39	9	.97
13	38	17	1.8	50	33	4.9	39	10	1.1
14	36	16	1.5	50	31	4.5	40	11	1.2
15	36	14	1.4	47	28	4.3	40	13	.38
16	36	11	1.1	45	30	4.5	40	14	.42
17	37	9	.91	44	32	4.8	40	18	1.2
18	39	8	.80	43	35	5.1	41	21	1.7
19	40	6	.67	42	36	5.1	41	28	2.9
20	42	6	.67	42	27	4.0	42	24	2.8
21	46	6	.75	42	20	3.0	41	17	1.9
22	44	6	.71	42	17	2.5	40	12	1.3
23	173	199	750	42	15	2.0	40	9	1.0
24	1570	920	5360	41	15	1.6	40	10	1.0
25	310	424	639	40	15	1.6	39	10	1.1
26	399	242	400	40	15	1.6	39	11	1.2
27	80	55	12	40	14	1.5	38	14	1.4
28	67	58	11	39	14	1.5	39	17	1.7
29	65	59	10	39	14	1.5	37	17	1.7
30	56	36	5.5	39	16	1.7	37	17	1.7
31	53	22	3.1	40	21	2.2			

07277730 SENATOBIA CREEK NEAR SENATOBIA, MS

LOCATION.--Lat 34°37'02", Long 89°56'30", in SE1/4 NW1/4 sec. 28, T.5 S., R.7 W., Chickasaw Meridian, Tate County, Hydrologic Unit 08030204, on right bank at upstream side of bridge on State Highway 4, 0.5 mi east of Senatobia.

DRAINAGE AREA.--82.0 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1986 to current year. Sept. 3, 1942 to Dec. 15, 1973 and Oct. 18, 1974 to Oct. 2, 1985 (gage heights and occasional discharge measurements) in reports of U.S. Army Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder. Datum of gage is 233.80 ft above sea level.

REMARKS.--Estimated daily discharges: Dec. 12, Jan. 8-11. Records good except for estimated daily discharges, which are fair.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Nov. 28, 1982, reached a stage of 26.10 ft (from information by US Army Corps of Engineers).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	12	22	15	33	54	14	369	37	19	15	12
2	13	12	19	14	32	26	14	58	34	18	14	12
3	12	12	18	13	38	22	14	24	29	18	14	12
4	12	13	27	12	37	23	14	88	26	20	491	13
5	11	17	43	1070	35	1540	13	43	24	275	1230	13
6	11	21	24	780	32	398	13	51	27	61	70	13
7	12	14	19	179	29	2980	13	105	31	24	28	13
8	12	14	18	e56	23	601	12	27	22	19	19	13
9	16	129	19	e37	20	149	12	23	21	18	16	13
10	11	336	1010	e28	22	77	12	20	20	18	16	12
11	11	37	314	e24	20	54	19	19	126	17	15	12
12	16	19	e48	22	18	39	15	18	85	17	15	12
13	16	16	26	20	16	32	12	18	24	17	15	12
14	12	14	25	285	15	29	11	17	20	16	14	12
15	12	13	36	450	17	26	12	16	19	16	14	11
16	11	12	131	100	539	26	12	16	19	16	14	13
17	11	12	72	36	116	24	12	15	19	16	14	14
18	12	13	30	1300	50	22	12	150	19	16	13	11
19	16	13	23	1360	32	20	13	25	19	15	14	11
20	14	13	21	292	26	20	51	16	19	16	14	11
21	13	16	763	97	23	19	273	15	85	16	14	11
22	20	12	367	58	20	18	18	14	57	16	13	11
23	17	11	86	56	20	19	470	14	21	26	13	11
24	12	11	36	62	18	17	42	14	20	872	13	11
25	11	12	25	53	16	16	20	14	98	100	13	11
26	11	13	21	44	16	17	15	20	104	131	13	12
27	11	328	20	104	348	17	15	14	23	20	13	12
28	12	672	18	260	257	15	15	1660	20	17	12	11
29	11	82	18	78	---	15	15	301	19	16	13	11
30	11	30	18	42	---	15	26	71	19	15	12	12
31	12	---	17	35	---	14	---	48	---	15	13	---
TOTAL	393	1929	3334	6982	1868	6344	1209	3303	1106	1896	2197	358
MEAN	12.7	64.3	108	225	66.7	205	40.3	107	36.9	61.2	70.9	11.9
MAX	20	672	1010	1360	539	2980	470	1660	126	872	1230	14
MIN	11	11	17	12	15	14	11	14	19	15	12	11
CFSM	.15	.78	1.31	2.75	.81	2.50	.49	1.30	.45	.75	.86	.15
IN.	.18	.88	1.51	3.17	.85	2.88	.55	1.50	.50	.86	1.00	.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 1995, BY WATER YEAR (WY)

	MEAN	14.4	84.7	180	146	222	154	125	70.3	120	73.5	28.7	19.7
MAX	21.2	219	370	391	472	305	668	227	457	331	72.1	48.7	
(WY)	1987	1987	1991	1989	1990	1994	1991	1991	1989	1989	1993	1994	
MIN	10.6	17.4	34.4	25.7	41.3	24.5	11.4	8.54	8.85	8.75	9.47	7.63	
(WY)	1988	1991	1990	1987	1992	1986	1986	1986	1988	1986	1988	1987	

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1986 - 1995
ANNUAL TOTAL	45791.8	30919	
ANNUAL MEAN	125	84.7	105
HIGHEST ANNUAL MEAN			175
LOWEST ANNUAL MEAN			55.6
HIGHEST DAILY MEAN	3130	2980	5890
LOWEST DAILY MEAN	9.8	11	7.2
ANNUAL SEVEN-DAY MINIMUM	11	11	7.3
INSTANTANEOUS PEAK FLOW		5820	12100
INSTANTANEOUS PEAK STAGE		18.91	19.55
INSTANTANEOUS LOW FLOW		10	7.1
ANNUAL RUNOFF (CFSM)	1.53	1.03	1.28
ANNUAL RUNOFF (INCHES)	20.77	14.03	17.44
10 PERCENT EXCEEDS	289	130	144
50 PERCENT EXCEEDS	19	18	16
90 PERCENT EXCEEDS	12	12	9.1

e Estimated

YAZOO RIVER BASIN

07277730 SENATOBIA CREEK NEAR SENATOBIA, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1986 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1986 to October 1987.

pH: May 1986 to October 1987.

WATER TEMPERATURE: February 1986 to October 1987.

DISSOLVED OXYGEN: February 1986 to October 1987.

SUSPENDED SEDIMENT CONCENTRATION: March 1986 to November 1989.

SUSPENDED SEDIMENT DISCHARGE: March 1986 to November 1989.

REMARKS.--Unpublished records of daily specific conductance, pH, water temperature, and dissolved oxygen during selected storm events are available in files of District office.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT								
05...	1145	12	86	6.6	20.5	7.8	--	--
18...	0945	11	93	6.7	16.5	7.0	--	--
NOV								
02...	1400	12	87	6.9	13.5	11.0	--	--
14...	1330	14	116	6.8	19.0	9.0	--	--
29...	1540	58	66	6.3	10.5	9.5	--	--
DEC								
14...	1015	24	70	7.3	8.5	11.4	--	--
JAN								
04...	1530	12	--	--	6.0	--	--	--
12...	1045	22	84	6.8	15.5	9.3	--	--
24...	1300	61	77	6.0	4.0	12.0	--	--
FEB								
07...	1500	28	74	7.0	5.0	12.9	--	--
15...	0700	17	70	6.0	9.5	9.8	80	340
15...	1000	17	92	6.3	10.0	10.0	--	--
15...	1300	17	70	7.1	11.5	7.8	100	96
15...	1600	17	73	7.2	13.0	12.0	--	--
15...	1900	17	89	6.7	10.0	11.5	K52	K100
15...	2200	17	90	7.0	13.5	11.6	--	--
16...	0100	17	90	7.2	14.5	9.3	K52	190
16...	0400	23	88	7.1	14.0	9.2	--	--
16...	0700	1550	45	6.6	11.0	9.8	E2300	K20000
16...	1000	1260	46	6.6	10.5	9.8	--	--
16...	1300	693	50	6.7	10.0	9.9	E8000	K20000
16...	1600	358	49	6.7	9.5	10.1	--	--
16...	1900	256	50	6.8	8.0	11.3	2000	E13000
16...	2200	214	51	6.8	8.0	10.2	--	--
17...	0100	183	54	6.7	8.0	10.2	K4000	8800
17...	0400	157	58	6.8	8.0	10.1	--	--
17...	0700	136	57	6.8	7.0	10.4	3300	7900
23...	0800	19	87	6.4	11.5	10.4	--	--
MAR								
07...	1630	4440	31	6.0	14.0	9.2	--	--
23...	1015	18	93	7.0	20.0	9.8	--	--
28...	1030	15	94	6.6	16.5	9.9	--	--
APR								
11...	1130	20	91	7.0	20.0	8.3	--	--
18...	1530	12	92	6.8	23.0	8.8	--	--
MAY								
15...	1745	17	97	7.2	29.0	10.7	--	--
JUN								
01...	0945	36	74	6.7	21.0	7.3	--	--
12...	1710	42	70	6.5	27.0	7.8	--	--
28...	1120	20	86	6.7	24.0	7.9	--	--
JUL								
11...	1420	18	87	8.1	31.5	7.3	--	--
27...	1015	20	74	7.1	25.5	7.2	--	--
AUG								
07...	1645	24	66	6.6	30.5	7.5	--	--
15...	1120	14	90	7.0	29.0	8.0	240	80
23...	1345	13	84	7.4	30.5	9.4	--	--
SEP								
06...	1100	12	89	6.9	22.5	9.1	--	--
19...	1115	11	89	6.9	21.0	9.0	--	--

YAZOO RIVER BASIN

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07277730 SENATOBIA CREEK NEAR SENATOBIA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

		NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)			
OCT												
05...		0.010	0.710	0.300	<0.020	0.010	0.60	--	--			
18...		<0.010	0.900	0.040	0.020	0.020	1.0	--	--			
NOV												
02...		<0.010	0.930	<0.040	0.020	0.010	0.90	--	--			
14...		0.010	0.720	<0.050	0.040	0.050	3.3	--	--			
29...		0.020	0.680	<0.090	0.170	0.150	7.8	--	--			
DEC												
14...		0.010	1.20	<0.060	0.080	0.070	3.9	--	--			
JAN												
04...		<0.010	1.60	0.040	0.030	0.020	1.4	--	--			
12...		0.040	1.60	0.040	1.00	0.070	6.7	--	--			
24...		0.010	1.70	0.040	0.100	0.080	6.9	--	--			
FEB												
07...		0.010	1.40	0.010	0.060	0.040	7.6	--	--			
15...		<0.010	1.60	0.040	0.040	0.010	6.9	19	0.87			
15...		0.010	1.60	0.030	<0.020	0.010	6.9	21	0.96			
15...		<0.010	1.60	0.020	0.040	0.010	6.9	29	1.3			
15...		0.010	1.60	0.020	0.050	0.010	6.4	11	0.50			
15...		0.010	1.60	0.020	0.040	0.010	6.9	18	0.83			
15...		0.010	1.60	0.020	0.020	0.010	6.8	20	0.92			
16...		0.010	1.60	0.020	<0.020	0.010	6.4	22	1.0			
16...		0.010	1.60	0.040	0.050	0.020	6.3	607	38			
16...		0.040	0.570	0.130	0.700	0.260	16	1340	5610			
16...		0.040	0.560	0.210	0.540	0.300	17	707	2410			
16...		0.030	0.630	0.240	0.460	0.290	20	347	649			
16...		0.030	0.620	0.220	0.480	0.290	20	220	213			
16...		0.030	0.610	0.200	0.350	0.270	20	153	106			
16...		0.030	0.640	0.170	0.340	0.230	19	115	66			
17...		0.020	0.680	0.150	0.290	0.200	17	161	80			
17...		0.020	0.710	0.130	0.260	0.180	16	86	36			
17...		0.020	0.760	0.120	0.260	0.170	15	61	22			
23...		<0.010	1.50	0.020	0.070	0.030	6.9	--	--			
MAR												
07...		0.050	0.260	0.080	0.490	0.300	17	--	--			
23...		0.010	1.40	0.010	<0.020	0.010	6.5	--	--			
28...		0.020	1.10	0.020	0.040	0.010	2.1	--	--			
APR												
11...		0.030	0.880	0.030	0.030	0.010	4.2	--	--			
18...		0.020	0.920	0.060	0.020	0.010	1.0	--	--			
MAY												
15...		0.010	0.860	0.070	0.050	0.030	1.3	--	--			
JUN												
01...		0.010	1.10	0.060	0.150	0.080	4.6	--	--			
12...		0.010	0.570	0.150	0.200	0.120	9.7	--	--			
28...		0.010	0.800	0.120	0.080	0.050	1.9	--	--			
JUL												
11...		0.010	0.580	0.040	0.040	0.040	1.7	--	--			
27...		0.010	0.630	0.070	0.100	0.110	5.2	--	--			
AUG												
07...		0.010	0.640	0.020	0.110	0.080	3.9	--	--			
15...		0.010	0.520	0.030	<0.020	0.020	1.4	--	--			
23...		0.010	0.480	0.050	0.060	0.010	1.4	--	--			
SEP												
06...		0.010	0.740	0.040	0.020	0.010	0.90	--	--			
19...		0.010	0.700	0.060	0.030	0.010	7.6	--	--			
DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY LAB (MG/L AS CAC03) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	
FEB												
16...	1000	200	2.9	1.4	1.8	3.3	7.8	4.2	2.2	<0.10	7.3	
AUG												
15...	1120	10	4.3	1.9	8.8	1.8	27	1.9	7.6	<0.10	13	
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS) (01002)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS) (01003)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM RECov. FM BOT- TOM MA- TERIAL (UG/G AS CD) (01028)
FEB												
16...	52	32	0.010	0.560	0.140	0.160	8200	9	3	<1	<1	<1
AUG												
15...	62	58	0.010	0.520	0.030	0.010	120	<1	1	<1	<1	<1

07277730 SENATOBIA CREEK NEAR SENATOBIA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	CHROMIUM, RECOVERABLE FM BOT- TOM MA- TERIAL (UG/G) (01029)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COBALT, RECOVERABLE FM BOT- TOM MA- TERIAL (UG/G) (01038)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, RECOVERABLE FM BOT- TOM MA- TERIAL (UG/G) (01043)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, RECOVERABLE DIS- SOLVED (UG/L AS FE) (01046)	IRON, RECOVERABLE FM BOT- TOM MA- TERIAL (UG/G) (01170)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
FEB 16...	11	4	6	<5	13	4	13000	600	6300	10
AUG 15...	<1	<1	<1	<5	<1	<1	260	81	700	1
DATE	LEAD, RECOVERABLE FM BOT- TOM MA- TERIAL (UG/G AS PB) (01052)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, RECOVERABLE DIS- SOLVED (UG/L AS MN) (01056)	MANGANESE, RECOVERABLE FM BOT- TOM MA- TERIAL (UG/G) (01053)	MERCURY, TOTAL RECOVERABLE (UG/L AS HG) (71900)	MERCURY, RECOVERABLE FM BOT- TOM MA- TERIAL (UG/G) AS HG) (71921)	SELENIUM, TOTAL RECOVERABLE (UG/L AS SE) (01147)	SELENIUM, RECOVERABLE IN BOT- TOM MA- TERIAL (UG/G) (01148)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ZINC, RECOVERABLE FM BOT- TOM MA- TERIAL (UG/G AS ZN) (01093)
FEB 16...	10	540	82	430	0.20	0.01	<1	<1	40	10
AUG 15...	<10	180	180	<10	0.10	<0.01	<1	<1	<4	<10

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	ALDI-CARB WATER WHOLE TOT. REC (UG/L) (82619)	ALDRIN, TOTAL (UG/L) (39330)	ALDRIN, TOTAL (UG/KG) (39333)	CARBO-FURAN WATER WHOLE TOT. REC (UG/L) (82615)	CHLOR-DANE, TECH- NICAL TOTAL (UG/L) (39350)	CHLOR-DANE, TOTAL (UG/KG) (39351)	CHLOR-PYRIFOS TOTAL RECOVER (UG/L) (38932)	P,P'-DDD TOTAL RECOVER (UG/L) (39360)	P,P'-DDD, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39363)	P,P'-DDE, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39365)	P,P'-DDT TOTAL RECOVER (UG/L) (39368)	P,P'-DDT TOTAL RECOVER (UG/L) (39370)
MAY 15...	<0.500	<0.010	--	<0.500	<0.100	--	<0.010	<0.010	--	<0.010	--	<0.010
AUG 07...	--	--	<0.100	--	--	<1.00	--	--	0.100	--	0.300	--
DATE	P,P'-DDT, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39373)	DEF TOTAL (UG/L) (39040)	DI-AZINON, TOTAL (UG/L) (39570)	DI-AZINON, TOTAL (UG/KG) (39571)	DI-ELDRIN, TOTAL (UG/L) (39380)	DI-ELDRIN, TOTAL (UG/KG) (39383)	DISULFOTON TOTAL RECOVER (UG/L) (39011)	ENDO-SULFAN, TOTAL RECOVER (UG/L) (39388)	ENDO-SULFAN, TOTAL (UG/KG) (39389)	ENDRIN, TOTAL RECOVER (UG/L) (39390)	ENDRIN, TOTAL RECOVER (UG/KG) (39393)	ENDRIN, TOTAL RECOVER (UG/L) (39393)
MAY 15...	--	<0.010	<0.010	--	<0.010	--	<0.010	<0.010	--	<0.010	--	--
AUG 07...	0.200	--	--	<0.200	--	<0.100	--	--	<0.100	--	<0.500	--
DATE	ETHION, TOTAL (UG/L) (39398)	ETHION, TOTAL (UG/KG) (39399)	FONOFOS (DY-FONATE) TOTAL (UG/L) (82614)	HEPTA-CHLOR, TOTAL (UG/L) (39410)	HEPTA-CHLOR, TOTAL (UG/KG) (39413)	HEPTA-CHLOR, TOTAL (UG/L) (39420)	HEPTA-CHLOR, TOTAL (UG/KG) (39423)	LINDANE TOTAL (UG/L) (39340)	LINDANE TOTAL (UG/KG) (39343)	MALATHION, TOTAL (UG/L) (39530)	MALATHION, TOTAL (UG/KG) (39531)	MALATHION, TOTAL (UG/L) (39531)
MAY 15...	<0.010	--	<0.010	<0.010	--	<0.010	--	<0.010	--	<0.010	--	--
AUG 07...	--	<0.200	--	--	<0.100	--	<0.100	--	<0.100	--	<0.200	--

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

[illegible]

07282000 YALOBUSHA RIVER AT CALHOUN CITY, MS

LOCATION.--Lat 33°50'20", long 89°18'55", 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.--305 mi², combined drainage area of all channels.

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

REVISED RECORDS.--WRD Miss. 1970: 1969(M). WDR MS-78-1: 1977(P). WDR MS-92: 1983-85.

GAGE.--Water-stage recorder. Datum of gage is 226.06 ft above sea level (levels by U. S. Army Corps of Engineers). Prior to Jan. 1, 1972, datum of gage was 10.00 ft higher. Prior to Nov. 15, 1950, nonrecording gage at site 75 ft downstream at same datum. Water-stage recorder on Topashaw Creek canal, 2.5 mi southwest of base gage. Prior to Aug. 16, 1963, nonrecording gage and crest-stage gage on Topashaw Creek Canal.

REMARKS.--No estimated daily discharges. Records fair due to backwater conditions. Discharge computed by combining the flow of individually rated Yalobusha River and Topashaw Creek Canal. Channel rectification of both Yalobusha River and Topashaw Creek was completed in 1967. U. S. Army Corps of Engineers satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 11,000 ft³/s and maximum (*).

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 19	0400	15,000	20.61	Mar. 8	1900	20,400	20.16
Feb. 16	1615	15,700	21.64	Apr. 23	0945	*20,600	*21.58

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	23	121	101	159	2250	92	173	124	35	339	9.2
2	10	21	89	91	138	860	83	165	351	26	66	8.7
3	11	21	83	80	120	402	76	131	119	17	28	8.2
4	11	19	2260	74	106	394	69	149	57	14	505	7.9
5	11	170	1350	65	95	6470	65	185	37	205	4050	7.6
6	10	525	612	651	87	3580	63	134	27	332	1580	7.3
7	9.3	151	246	1150	88	11400	58	153	23	82	917	7.2
8	8.8	70	168	367	85	10900	54	125	19	35	217	7.0
9	15	83	142	194	77	2580	51	105	17	23	554	6.8
10	25	787	2120	149	151	960	47	89	15	21	133	6.6
11	22	366	1830	136	319	579	267	77	15	18	62	6.5
12	41	164	698	127	208	388	349	67	18	14	43	6.5
13	56	103	289	118	183	283	142	56	18	10	32	6.5
14	38	82	198	527	172	216	87	49	15	9.3	27	6.8
15	28	70	201	589	206	407	69	44	12	7.9	24	7.3
16	22	60	497	260	10300	1250	57	42	10	209	22	7.3
17	20	57	452	166	5310	954	50	39	9.0	97	20	7.2
18	18	52	271	564	1690	587	44	35	8.0	33	18	7.0
19	17	49	172	8240	665	347	40	42	7.3	19	16	6.8
20	25	44	128	2180	361	227	1190	39	7.2	13	15	6.6
21	31	46	108	865	217	196	5290	32	7.3	10	14	6.6
22	1480	45	1940	334	171	174	3530	27	7.4	9.4	13	8.0
23	735	40	1510	576	151	156	13700	23	7.1	8.6	13	8.7
24	259	39	570	389	135	131	4100	25	6.8	7.9	12	9.0
25	78	39	271	243	121	114	1290	25	19	8.0	11	9.0
26	50	41	180	189	118	106	553	92	432	7.9	11	9.0
27	38	287	135	189	4810	643	314	233	64	7.2	10	9.0
28	31	2180	111	1700	6340	303	241	233	46	6.8	10	8.7
29	25	743	101	762	---	157	206	188	53	30	10	8.4
30	23	223	106	300	---	130	195	67	30	23	9.7	8.0
31	23	---	101	196	---	108	---	57	---	23	9.6	---
TOTAL	3182.1	6600	17060	21572	32583	47252	32372	2901	1581.1	1362.0	8791.3	229.4
MEAN	103	220	550	696	1164	1524	1079	93.6	52.7	43.9	284	7.65
MAX	1480	2180	2260	8240	10300	11400	13700	233	432	332	4050	9.2
MIN	8.8	19	83	65	77	106	40	23	6.8	6.8	9.6	6.5
CFSM	.34	.72	1.80	2.28	3.82	5.00	3.54	.31	.17	.14	.93	.03
IN.	.39	.80	2.08	2.63	3.97	5.76	3.95	.35	.19	.17	1.07	.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1995, BY WATER YEAR (WY)

	MEAN	49.0	276	621	676	872	977	803	423	191	106	44.1	56.5
MAX	622	2827	4402	2400	2409	3583	3418	3696	1815	948	303	857	
(WY)	1976	1958	1983	1974	1991	1980	1991	1991	1989	1979	1975	1979	
MIN	.15	.99	3.59	11.5	66.1	83.2	15.9	7.45	.38	1.26	.80	.000	
(WY)	1954	1982	1966	1956	1963	1954	1986	1988	1988	1954	1951	1952	

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1951 - 1995

ANNUAL TOTAL	217838.4	175485.9	422
ANNUAL MEAN	597	481	1171
HIGHEST ANNUAL MEAN			78.6
LOWEST ANNUAL MEAN			50800
HIGHEST DAILY MEAN	17800	Jun 27	13700
LOWEST DAILY MEAN	8.8	Oct 8	6.5
ANNUAL SEVEN-DAY MINIMUM	10	Oct 2	6.7
INSTANTANEOUS PEAK FLOW			20600
INSTANTANEOUS PEAK STAGE			21.58
ANNUAL RUNOFF (CFSM)	1.96		1.58
ANNUAL RUNOFF (INCHES)	26.57		21.40
10 PERCENT EXCEEDS	1400		862
50 PERCENT EXCEEDS	111		78
90 PERCENT EXCEEDS	21		8.7

07283000 SKUNA RIVER AT BRUCE, MS

LOCATION.--Lat 33°58'25", long 89°20'50", in SW1/4 SW1/4 sec.6, T.13 S., R.1 W., Chickasaw Meridian, Calhoun County, Hydrologic Unit 08030205, on left bank on downstream side of bridge on State Highway 9, 1.0 mi south of Bruce.

DRAINAGE AREA.--254 mi².

PERIOD OF RECORD.--October 1947 to current year. Prior to March 1948 monthly discharge only, published in WSP 1311.

REVISED RECORDS.--WSP 1920: 1958(P), 1959-60(M).

GAGE.--Water-stage recorder. Datum of gage is 228.45 ft above sea level (levels U. S. Army Corps of Engineers). Prior to Jan. 1, 1972, at datum 10.30 ft higher. October 1947 to Aug. 30, 1948, nonrecording gage, Aug. 31, 1948 to Mar. 23, 1955, water-stage recorder, and Mar. 24, 1955 to Sept. 12, 1958, nonrecording gage at same site.

REMARKS.--Estimated daily discharges: Jul. 14 - Aug. 11 due to bridge construction. Records are good except for estimated daily discharges, which are poor. U.S. Geological Survey satellite telemeter at station.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Nov. 5	2230	6,070	16.74	Feb. 27	1745	11,600	21.24
Dec. 4	1300	6,030	16.70	Mar. 5	1230	16,400	23.87
Dec. 10	1700	7,400	18.00	Mar. 7	1800	*32,000	*29.88
Jan. 19	0245	10,900	20.76	Apr. 21	0300	11,900	21.43
Feb. 16	0845	27,600	28.44	Apr. 23	0945	12,300	21.67

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	32	120	97	137	818	113	465	316	499	e19	8.1
2	10	27	95	81	122	375	96	348	1070	107	e16	7.8
3	11	24	86	72	108	265	82	186	304	48	e15	7.6
4	11	22	3240	64	91	277	72	322	126	68	e200	7.4
5	10	1820	830	53	77	8640	67	328	77	294	e430	7.6
6	9.8	1930	320	914	67	2240	58	169	58	267	e440	7.6
7	9.8	288	215	663	68	18500	50	189	99	108	e360	6.9
8	9.7	152	161	235	63	8540	47	146	68	55	e240	7.5
9	30	116	131	165	56	941	43	118	45	55	e180	7.4
10	28	456	3100	130	97	543	36	112	35	39	e130	7.6
11	18	252	1680	460	135	407	278	101	31	28	e90	7.3
12	441	148	408	297	111	339	296	91	50	22	68	7.6
13	244	107	263	217	107	290	113	66	51	20	33	7.7
14	89	84	205	1430	106	253	66	66	31	e20	36	7.9
15	48	68	205	1630	135	222	50	51	25	e18	20	8.3
16	32	61	312	371	13600	634	40	49	21	e17	17	8.6
17	24	55	289	228	2430	653	35	45	19	e16	16	9.1
18	21	47	197	1110	634	673	29	40	17	e16	13	9.4
19	22	41	147	5000	375	336	25	64	15	e15	13	9.3
20	33	38	126	771	290	251	2320	57	16	e14	12	9.5
21	48	38	155	366	230	215	6400	39	17	e14	12	9.5
22	1250	35	2350	271	175	179	741	33	17	e13	13	9.5
23	396	29	546	406	134	160	6990	29	16	e24	11	9.5
24	138	27	276	336	105	137	1100	26	14	e45	10	9.5
25	78	27	193	248	82	118	393	24	49	e22	8.3	9.3
26	60	36	147	188	75	110	254	32	593	e16	8.3	9.4
27	46	435	133	184	4610	645	189	128	77	e14	8.5	9.4
28	37	2180	113	559	3610	309	151	50	36	e25	8.3	9.5
29	32	363	109	309	---	173	130	38	26	e54	8.5	9.8
30	29	186	109	200	---	138	243	46	47	e27	8.3	10
31	29	---	106	156	---	121	---	300	---	e18	8.2	---
TOTAL	3255.3	9124	16367	17211	27830	47502	20507	3758	3366	1998	2452.4	255.6
MEAN	105	304	528	555	994	1532	684	121	112	64.5	79.1	8.52
MAX	1250	2180	3240	5000	13600	18500	6990	465	1070	499	440	10
MIN	9.7	22	86	53	56	110	25	24	14	13	8.2	6.9
CFSM	.41	1.20	2.08	2.19	3.91	6.03	2.69	.48	.44	.25	.31	.03
IN.	.48	1.34	2.40	2.52	4.08	6.96	3.00	.55	.49	.29	.36	.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 1995, BY WATER YEAR (WY)

	MEAN	47.0	252	491	581	765	857	640	338	192	101	57.5	76.0
MAX	389	1922	3035	2091	2703	3426	2356	1481	1001	661	460	895	
(WY)	1985	1958	1983	1949	1991	1973	1991	1991	1986	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 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1948 - 1995

ANNUAL TOTAL	158408.3	153626.3	
ANNUAL MEAN	434	421	364
HIGHEST ANNUAL MEAN			767
LOWEST ANNUAL MEAN			74.6
HIGHEST DAILY MEAN	14200	Feb 11	35100
LOWEST DAILY MEAN	9.7	Oct 8	1.0
ANNUAL SEVEN-DAY MINIMUM	10	Oct 2	1.1
INSTANTANEOUS PEAK FLOW			61400a
INSTANTANEOUS PEAK STAGE			34.41
ANNUAL RUNOFF (CFSM)	1.71		1.43
ANNUAL RUNOFF (INCHES)	23.20		19.49
10 PERCENT EXCEEDS	807	634	730
50 PERCENT EXCEEDS	99	78	45
90 PERCENT EXCEEDS	17	9.8	6.6

e Estimated

a From rating curve extended above 19,000 ft³/s on basis of indirect measurement.

07285400 BATUPAN BOGUE AT GRENADA, MS

LOCATION.--Lat 33°46'26", long 89°47'15", in NE 1/4 SE 1/4 sec.17, T.22 N., R.5 E., Choctaw Meridian, Grenada County, Hydrologic Unit 08030205, on downstream side of bridge on State Highway 8, 0.2 mi east of Grenada, 1.4 mi upstream from mouth, and 1.1 mi downstream from Perry Creek.

DRAINAGE AREA.--240 mi².

PERIOD OF RECORD.--Water years 1972, 1985 to current year.

PERIOD OF DAILY RECORD.--

DISCHARGE: June 1985 to current year.

SPECIFIC CONDUCTANCE: July 1985 to September 1987.

pH: June 1985 to September 1987.

WATER TEMPERATURE: June 1985 to September 1987.

DISSOLVED OXYGEN: July 1985 to September 1987.

SUSPENDED SEDIMENT CONCENTRATION: July 1985 to current year.

SUSPENDED SEDIMENT DISCHARGE: July 1985 to current year.

INSTRUMENTATION.--Water-stage recorder and crest-stage gage. Datum of gage is 162.13 ft above sea level. Automatic pumping sediment sampler since October 1985.

REMARKS.--Unpublished records of daily specific conductance, pH, water temperature, and dissolved oxygen during selected storm events are available in files of District office. Estimated daily discharges: Oct. 1-7, 25-Nov. 4, 15, 17-27, Dec. 1-9, 12-21, 23-Jan. 6, 11-18, 21-27, 31-Feb. 3, 23-28, Mar. 12-15, 18, 28-Apr. 10, 13-18, May 19-June 1, July 20-21, Aug. 30-Sept. 30. Discharge records poor due to amount of backwater.

AVERAGE DISCHARGE.--10 years, 497 ft³/s, 22.75 in/yr.

EXTREMES FOR PERIOD OF DAILY RECORD.--

DISCHARGE: Maximum, 30,400 ft³/s, Apr. 29, 1991, gage height, 19.65 ft; minimum, 17 ft³/s, June 18, 20-21, 1988.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 6,300 mg/L, Dec. 1, 1991; minimum daily mean, 3 mg/L, Nov. 8, 1987, Aug. 1, 11, 1988.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 160,000 tons, Dec. 1, 1991; minimum daily, 0.22 ton, Nov. 8, 1987.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum, 17,900 ft³/s, Mar. 7, gage height, 16.73 ft; minimum, 27 ft³/s, Aug. 28.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 5,290 mg/L, Feb. 16; minimum daily mean, 15 mg/L, Oct. 17, Sept. 21, 26-30.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 111,000 tons, Feb. 16; minimum daily, 1.1 tons, Sept. 30.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT												
04...	1615	309	121	7.4	26.5	7.4	<0.010	0.020	0.020	0.060	0.020	1.2
18...	1300	207	133	7.0	18.0	9.2	<0.010	0.070	0.030	0.060	0.050	3.1
NOV												
03...	1045	242	142	7.1	16.0	10.1	<0.010	0.050	<0.040	0.030	0.030	2.4
16...	0930	328	100	7.2	16.5	9.7	0.010	0.080	<0.010	0.070	0.050	4.3
30...	0750	292	78	6.8	8.5	9.4	0.010	0.060	<0.070	0.070	0.060	5.8
DEC												
13...	1330	1820	69	6.9	9.0	10.8	0.010	0.100	0.110	0.070	0.050	6.0
JAN												
04...	1200	1720	102	6.5	5.5	11.8	<0.010	0.140	0.080	0.070	0.040	3.7
11...	1400	410	96	6.3	13.5	9.8	0.010	0.130	0.050	0.080	0.050	8.3
24...	1800	2190	78	6.4	6.5	11.6	0.010	0.130	0.090	0.090	0.050	9.1
FEB												
08...	0830	292	105	7.0	3.5	11.8	0.010	0.160	0.090	0.030	0.040	8.5
23...	1130	351	90	6.5	12.5	9.9	0.010	0.160	0.110	0.050	0.040	8.8
MAR												
08...	1315	5080	35	5.9	10.5	9.9	0.030	0.100	0.100	0.180	0.130	12
22...	0930	557	86	6.9	18.0	9.0	0.010	0.150	0.040	0.060	0.040	5.5
28...	1410	1540	80	6.4	19.0	8.4	0.010	0.120	0.040	0.080	0.060	7.1
APR												
11...	1600	2260	88	7.1	19.5	8.4	0.030	0.220	0.030	0.260	0.120	12
18...	1030	456	127	6.5	22.0	7.9	<0.010	0.120	0.040	0.050	0.030	2.3
MAY												
16...	1145	271	114	6.8	24.0	6.7	0.030	0.500	0.100	0.200	0.150	5.6
JUN												
01...	1445	1560	46	6.2	23.0	7.6	0.020	0.210	0.090	0.230	0.110	8.8
12...	1445	340	113	6.9	24.0	7.9	<0.010	0.100	0.010	0.030	0.030	2.7
27...	1015	180	124	6.7	26.0	7.8	0.010	0.100	0.040	0.050	0.030	3.7
JUL												
11...	1555	151	124	7.3	32.5	8.3	0.010	0.070	0.010	0.040	0.030	4.8
26...	0900	82	142	7.1	28.0	5.9	0.010	0.130	0.070	0.070	0.030	2.7
AUG												
07...	1130	278	53	6.4	27.0	6.9	0.030	0.120	0.050	0.170	0.120	6.4
23...	0915	60	144	7.0	28.0	6.5	0.010	0.020	0.030	0.030	0.020	2.6
SEP												
07...	1415	196	160	7.3	28.0	8.1	0.010	0.030	0.010	0.060	0.020	2.0
19...	1515	138	162	7.0	29.0	9.1	0.010	0.060	0.020	0.020	0.020	12

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	ALDI- CARB WATER WHOLE TOT.REC (UG/L) (82619)	ALDRIN, TOTAL (UG/L) (39330)	ALDRIN, TOM MA- TERIAL (UG/KG) (39333)	CARBO- FURAN WATER WHOLE TOT.REC (UG/L) (82615)	CHLOR- DANE, TECH- NICAL TOTAL (UG/L) (39350)	CHLOR- DANE, TOTAL (UG/KG) (39351)	CHLOR- PYRIFOS TOTAL (UG/L) (38932)	P,P'- DDD UNFILT (UG/L) (39360)	P,P'- DDD, RECOVER (UG/KG) (39363)	P,P'- DDE, RECOVER (UG/L) (39365)	P,P'- DDT, TOM MA- TERIAL (UG/KG) (39368)	P,P'- DDT UNFILT (UG/L) (39370)
MAY												
16...	<0.500	<0.010	--	<0.500	<0.100	--	<0.010	<0.010	--	<0.010	--	<0.010
AUG												
07...	--	--	<0.100	--	--	<1.00	--	--	<0.100	--	<0.100	--

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

		P, P'- DDT, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39373)	DEF TOTAL (UG/L) (39040)	DI- AZINON, TOTAL (UG/L) (39570)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39571)	DI- ELDRIN TOTAL (UG/L) (39380)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39383)	DISUL- FOTON UNFILTR RECOVER (UG/L) (39011)	ENDO- SULFAN, I TOTAL (UG/L) (39388)	ENDO- SULFAN I TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39389)	ENDRIN WATER UNFILTRD REC (UG/L) (39390)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39393)
MAY 16...		--	<0.010	<0.010	--	<0.010	--	<0.010	<0.010	--	<0.010	--
AUG 07...		0.100	--	--	<0.200	--	<0.100	--	--	<0.100	--	<0.500
DATE	ETHION, TOTAL (UG/L) (39398)	ETHION, TOTAL (UG/KG) (39399)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (82614)	FONOFOS (DY- FONATE) WATER WHOLE TOT. REC (UG/L) (39410)	HEPTA- CHLOR, TOTAL (UG/L) (39413)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. TOTAL (UG/L) (39420)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. TOTAL (UG/L) (39423)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. TOTAL (UG/L) (39423)	LINDANE TOTAL (UG/L) (39340)	LINDANE TOTAL (UG/KG) (39343)	MALA- THION, TOTAL (UG/L) (39530)	MALA- THION, TOTAL (UG/KG) (39531)
MAY 16...		<0.010	--	<0.010	<0.010	--	<0.010	--	<0.010	--	<0.010	--
AUG 07...		--	<0.200	--	--	<0.100	--	<0.100	--	<0.100	--	<0.200
DATE	METHIO- CARB WATER WHOLE RECOV. (UG/L) (30282)	METHO- MYL TOTAL (UG/L) (39051)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	METHYL THION, TOTAL (UG/L) (39600)	METHYL THION, TOT. IN BOTTOM MATL. TOTAL (UG/L) (39601)	MIREX, TOTAL (UG/L) (39755)	MIREX, TOTAL (UG/KG) (39758)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (77441)	1-NAPH- THOL WATER WHOLE REC (UG/L) (39540)	PARA- THION, TOTAL (UG/L) (39540)	PARA- THION, TOTAL (UG/KG) (39541)
MAY 16...		<0.500	<0.500	<0.010	--	<0.010	--	<0.010	--	<0.500	<0.010	--
AUG 07...		--	--	--	<0.800	--	<0.200	--	<0.100	--	--	<0.200
DATE	PCB, TOTAL (UG/L) (39516)	PCB, TOTAL (UG/KG) (39519)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39250)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39251)	PER- THANE TOTAL (UG/L) (39034)	PER- THANE TOTAL (UG/KG) (81886)	PHORATE TOTAL (UG/L) (39023)	PROPHAM TOTAL (UG/L) (39052)	PROPO- UR WATER WHOLE RECOV. (UG/L) (30296)	CARB- ARYL UNFILTR RECOVER (UG/L) (39750)	TOX- APHENE, TOTAL (UG/L) (39400)	
MAY 16...		<0.100	--	<0.100	--	<0.100	--	<0.010	<0.500	<0.500	<0.500	<1.00
AUG 07...		--	<1.00	--	<1.00	--	<1.00	--	--	--	--	--
DATE	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39403)	TOTAL TRI- THION (UG/L) (39786)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39787)	2, 4-D, TOTAL (UG/L) (39730)	2, 4-DP TOTAL (UG/L) (82183)	2, 4, 5-T TOTAL (UG/L) (39740)	ALA- CHLOR TOTAL RECOVER (UG/L) (77825)	AME- TRYNE TOTAL (UG/L) (82184)	ATRA- ZINE WATER UNFILTRD REC (UG/L) (39630)	BROM- ACIL ATER HLREC (UG/L) (30234)	BUTA- CHLOR ATER HLREC (UG/L) (30235)	
MAY 16...		--	<0.010	--	0.530	<0.010	<0.010	<0.100	<0.100	<0.100	<0.200	<0.100
AUG 07...		<10.0	--	<0.200	--	--	--	--	--	--	--	--
DATE	BUTYL- ATE ATER HLREC (UG/L) (30236)	CARBO- IN ATER HOLE RECOV- ERABLE (UG/L) (30245)	CYAN- AZINE TOTAL (UG/L) (81757)	CYCLO- ATE ATER HOLE RECOV- ERABLE (UG/L) (30254)	DEETHYL ATRA- ZINE, WATER, WHOLE, TOTAL (UG/L) (75981)	DE-ISO PROPYL ATRAZIN WATER, WHOLE, TOTAL (UG/L) (75980)	DIPHEN- AMID WATER WHOLE RECOV- ERABLE TOTAL (UG/L) (82052)	HEXAZI- NONE WATER WHOLE RECOV- ERABLE (UG/L) (30264)	METOLA- CHLOR WATER WHOLE TOT. REC (UG/L) (82612)	METRI- BUZIN WATER WHOLE TOT. REC (UG/L) (82611)		
MAY 16...		<0.100	<0.200	<0.200	<0.100	<0.200	<0.200	<0.010	<0.100	<0.200	<0.200	<0.100
AUG 07...		--	--	--	--	--	--	--	--	--	--	--
DATE	PIC- LORAM UNFILTR RECOVER (UG/L) (39720)	PROME- TONE TOTAL (UG/L) (39056)	PROME- TRYNE TOTAL (UG/L) (39057)	PROPA- CHLOR WATER WHOLE RECOV. (UG/L) (30295)	PRO- PAZINE TOTAL (UG/L) (39024)	SILVEX, TOTAL (UG/L) (39760)	SIMA- ZINE TOTAL (UG/L) (39055)	SIME- TRYNE TOTAL (UG/L) (39054)	TER- BACIL WATER WHOLE RECOV. (UG/L) (30311)	TRI- FLURA- LIN TOTAL RECOVER (UG/L) (39030)	VER- NOLATE WATER WHOLE RECOV. (UG/L) (30324)	
MAY 16...		<0.010	<0.200	<0.100	<0.100	<0.010	<0.100	<0.100	<0.200	<0.100	<0.100	<0.100
AUG 07...		--	--	--	--	--	--	--	--	--	--	--

YAZOO RIVER BASIN

07285400 BATUPAN BOGUE AT GRENADA, MS--Continued

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK) (00002)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM (80164)	BED MAT. SIEVE DIAM. % FINER THAN .125 MM (80165)	BED MAT. SIEVE DIAM. % FINER THAN .250 MM (80166)	BED MAT. SIEVE DIAM. % FINER THAN .500 MM (80167)	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM (80168)
SEP							
19...	1517	25.0	<1	1	49	100	--
19...	1519	50.0	<1	<1	5	71	98
19...	1521	75.0	1	1	10	76	99

YAZOO RIVER BASIN

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07285400 BATUPAN BOGUE AT GRENADA, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

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	48	25	3.2	45	33	4.0	75	38	9.5
2	47	25	3.2	44	33	3.9	70	34	6.4
3	46	24	3.0	43	24	2.8	66	99	18
4	46	19	2.3	43	23	2.7	800	303	655
5	45	16	1.9	2340	718	9850	400	94	102
6	44	18	2.1	722	98	385	100	55	15
7	43	21	2.4	111	35	10	80	44	9.5
8	100	241	522	71	35	7.0	75	106	21
9	1240	1450	7700	119	75	58	72	145	28
10	118	75	27	1010	889	2700	3660	1120	16300
11	85	61	16	199	179	101	1240	597	2650
12	417	354	409	95	95	25	250	68	46
13	175	49	27	71	52	10	100	67	18
14	89	35	8.6	62	40	6.6	80	56	12
15	70	28	5.3	60	34	5.5	75	59	12
16	61	21	3.4	100	33	8.9	200	68	37
17	51	15	2.1	80	29	6.3	150	77	1.2
18	43	17	2.0	70	31	5.9	110	65	19
19	44	25	3.0	64	28	4.8	90	54	28
20	43	28	3.2	60	24	3.9	85	81	21
21	133	246	193	58	21	3.3	82	79	17
22	1490	1360	5790	56	26	3.9	2260	238	1590
23	196	283	181	54	34	5.0	1200	94	332
24	73	68	14	52	36	5.1	500	98	132
25	60	40	5.5	51	36	5.0	200	50	27
26	55	37	5.5	50	36	4.9	100	36	9.7
27	52	38	5.3	200	516	518	80	34	7.4
28	50	42	5.7	1340	1360	7950	70	40	7.6
29	48	45	5.8	137	159	52	1400	618	3790
30	47	40	5.5	81	55	12	600	262	424
31	46	33	4.1				200	55	30
JANUARY			FEBRUARY			MARCH			
1	100	228	122	590	54	86	1090	2220	6950
2	90	45	57	400	114	471	732	559	1220
3	85	39	13	230	107	238	326	223	198
4	82	34	7.5	195	42	22	800	133	398
5	80	24	5.2	168	30	14	5980	1240	22700
6	1500	2230	14100	150	29	12	3520	425	4610
7	1330	351	1740	142	28	11	11100	2050	74100
8	391	181	192	128	31	11	6850	1110	23900
9	276	107	81	118	32	10	1990	344	1920
10	238	55	35	178	76	43	922	299	746
11	228	55	34	303	187	167	603	233	385
12	215	68	39	215	93	56	470	99	126
13	200	46	25	178	40	19	420	67	76
14	1450	111	561	156	40	17	350	64	60
15	1000	300	1690	225	88	135	1000	1140	25100
16	400	103	111	6960	5290	111000	4580	625	8360
17	200	74	40	3190	2870	26600	1530	591	2470
18	1500	170	689	838	1160	2820	800	439	1230
19	5490	1740	32100	426	648	778	537	170	248
20	1190	448	1560	306	95	79	420	118	135
21	500	195	263	231	63	40	314	82	70
22	250	113	776	180	43	21	256	59	41
23	100	162	44	160	48	21	209	46	26
24	80	81	17	140	203	77	164	37	17
25	75	55	11	130	58	20	132	38	14
26	72	55	11	125	63	21	108	60	17
27	70	80	15	3500	1830	36000	1200	619	2340
28	3820	1040	12100	2000	2500	36200	550	95	141
29	1710	290	1360				400	74	80
30	1130	173	533				350	63	60
31	800	88	190				310	36	30

YAZOO RIVER BASIN

07285400 BATUPAN BOGUE AT GRENADA, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
APRIL			MAY			JUNE			
1	270	40	29	153	39	16	3000	1980	49000
2	230	59	37	152	31	13	5750	1210	26900
3	200	74	40	142	31	12	1220	303	1020
4	170	45	21	236	190	199	502	83	121
5	145	57	22	259	716	568	344	42	39
6	125	62	21	187	66	34	272	31	23
7	110	40	12	155	55	23	219	42	25
8	100	41	11	132	34	12	186	29	15
9	95	49	34	126	61	21	161	39	17
10	90	109	71	114	111	35	143	38	15
11	776	219	645	102	34	9.3	145	59	24
12	538	165	270	95	44	11	156	67	29
13	260	123	86	89	34	8.1	119	42	14
14	200	55	29	86	32	7.3	107	45	13
15	160	53	23	97	93	26	100	30	8.1
16	130	43	15	141	99	38	95	26	6.8
17	115	52	16	86	43	10	90	66	16
18	105	65	18	79	88	19	85	54	12
19	103	67	19	77	150	31	83	57	13
20	3490	620	9610	76	25	5.0	129	87	27
21	4850	1410	22100	75	30	6.1	123	30	9.9
22	2710	928	7880	75	33	6.7	89	30	7.1
23	11500	2120	68700	75	40	8.1	84	29	6.6
24	2990	723	6850	75	30	6.1	85	38	9.3
25	869	533	1180	210	25	14	111	44	14
26	405	659	703	320	100	86	85	36	8.3
27	265	497	358	210	180	102	79	50	11
28	199	255	139	450	800	972	88	53	13
29	166	98	44	700	700	1320	136	59	21
30	159	46	20	500	900	1210	102	171	46
31				430	1200	1390			
JULY			AUGUST			SEPTEMBER			
1	221	332	219	63	53	8.9	33	46	4.1
2	105	106	30	53	25	3.6	34	49	4.5
3	89	940	225	48	27	3.4	34	52	4.8
4	148	765	381	184	121	153	33	54	4.9
5	1400	1810	7420	1080	908	2800	33	57	5.0
6	1050	810	2880	333	447	430	32	50	4.4
7	194	268	148	233	184	136	32	47	4.0
8	131	82	29	118	37	12	32	50	4.4
9	105	56	16	87	25	5.9	33	44	3.8
10	92	44	11	70	19	3.6	32	44	3.8
11	83	36	8.0	58	19	3.0	33	46	4.0
12	76	32	6.7	53	21	2.9	33	49	4.4
13	72	31	5.9	51	67	9.8	34	53	4.9
14	67	29	5.3	68	93	18	34	51	4.6
15	63	27	4.7	50	115	15	33	46	4.1
16	62	26	4.3	43	39	4.5	33	50	4.5
17	69	25	4.6	40	219	23	34	57	5.2
18	60	34	5.5	38	61	6.2	33	63	5.7
19	59	402	64	36	50	4.9	32	38	3.3
20	60	95	40	35	32	3.0	32	19	1.6
21	100	325	88	35	35	3.3	32	15	1.3
22	143	66	31	33	40	3.6	35	16	1.5
23	73	20	4.0	31	328	27	35	16	1.5
24	63	17	2.9	30	272	22	32	16	1.4
25	59	22	3.6	30	74	5.9	31	16	1.3
26	52	43	6.0	29	66	5.2	31	15	1.3
27	49	57	7.6	29	49	3.8	31	15	1.3
28	88	100	48	28	41	3.1	30	15	1.2
29	111	204	90	35	41	3.8	29	15	1.2
30	52	65	9.2	33	40	3.6	28	15	1.1
31	48	66	8.5	33	38	3.4			

07285500 YALOBUSHA RIVER AT GRENADA, MS

LOCATION.--Lat 33°47'18", long 89°48'36", in NE1/4 sec. 7, T.22 N., R.5 E., Choctaw Meridian, Grenada County, Hydrologic Unit 08030205, on downstream left bridge seat of U.S. Highway 51 bridge.

DRAINAGE AREA.--1570 mi², approximately. U.S. Army Corps of Engineers

PERIOD OF RECORD.--February 1989 to current year. July 1, 1929 to date, stage data available; February 1929 to date, measured discharge available; and December 1, 1931 to June 30, 1953 daily discharge available in U.S. Army Corps of Engineers records. Prior to October 1, 1992, published as "07285510 Yalobusha River at Grenada, MS."

GAGE.--Water stage recorder. Datum of gage is 152.03 ft above sea level (levels by U.S. Army Corps of Engineers). Prior to June 23, 1993, water-stage recorder at site 0.5 mi downstream at datum 3.35 ft lower.

REMARKS.--No estimated daily discharges. Records good except COE gage records used Aug. 5-29, Aug. 23 - Sept. 19, which are fair. Regulated by Grenada Lake Spillway. U.S. Geological Survey satellite telemeter at Station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Feb. 14, 1948, reached an elevation of 182.81 ft above sea level at site 2600 ft upstream, discharge 78,900 ft³/s from records of U.S. Army Corps of Engineers.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3720	3790	3620	5520	5480	4050	4460	1170	3830	2790	1420	3270
2	3720	3720	4060	5530	5340	4240	4440	1510	4930	2790	1420	3270
3	3730	3640	4260	5350	4480	1970	4420	1750	4700	2770	1130	3270
4	3720	3590	4660	5290	2700	4960	4390	1800	4390	2730	509	3270
5	3710	4980	4520	5420	1460	7630	4350	1840	4130	2920	1090	3270
6	3690	1780	4370	4910	869	4870	4330	1770	3970	1520	641	3280
7	3670	1100	4290	2440	906	10500	4310	1720	3850	713	487	3270
8	3730	2100	4400	1620	899	7980	4270	1690	3730	611	299	3260
9	4590	2760	4840	2080	760	2170	4250	1680	3620	574	147	3250
10	3770	3650	6200	3090	702	1690	4240	1660	3530	997	84	3240
11	3690	2940	4130	3930	871	3540	4600	1630	3450	1350	72	3240
12	4180	2690	3860	5180	778	4660	4560	1620	3390	1340	64	3210
13	3870	2620	4900	5200	728	5710	4300	1610	3330	1330	80	3220
14	3690	3060	5320	5220	700	5680	4240	1600	3280	1320	108	3210
15	3630	3630	5270	5490	844	5920	4200	1620	3230	1310	73	3200
16	3600	3800	5430	5240	8380	6660	4160	1670	3180	1300	58	3190
17	3550	4040	5320	5100	3900	4970	4090	1590	3130	1380	57	3180
18	3500	4260	5100	5190	2060	4350	3540	1580	3090	1500	50	3170
19	3470	3890	4970	6620	1950	3910	2280	1600	3050	1480	49	3130
20	3420	3310	5020	2710	1830	3800	4180	1560	3020	2140	52	3130
21	3560	3750	5090	4100	2180	3740	5610	1550	3000	2820	58	3110
22	3900	4320	5520	4710	2460	3720	2700	1540	2990	1590	58	3110
23	1080	4230	5500	5060	2950	3680	9270	1530	2980	1500	46	3100
24	1630	4130	5290	5520	4680	3640	4210	1530	2970	1470	43	3080
25	3190	4060	5170	5380	5120	3590	1650	1530	2950	1450	42	3060
26	3860	4050	5070	5250	5030	3580	1610	1160	2890	1450	41	3050
27	3780	4010	5100	5150	6450	4490	1410	1580	2840	1440	177	3030
28	3720	4100	5120	6290	6050	4680	1300	3170	2820	1500	685	3010
29	3650	3010	5180	5330	---	4540	1240	4310	2810	1590	2450	3000
30	3580	3160	5780	5020	---	4480	1200	3540	2800	1440	3150	2990
31	3600	---	5530	5120	---	4480	---	3300	---	1420	3260	---
TOTAL	110200	104170	152890	148060	80557	143880	113810	57410	101880	50535	17900	95070
MEAN	3555	3472	4932	4776	2877	4641	3794	1852	3396	1630	577	3169
MAX	4590	4980	6200	6620	8380	10500	9270	4310	4930	2920	3260	3280
MIN	1080	1100	3620	1620	700	1690	1200	1160	2800	574	41	2990
CFSM	2.26	2.21	3.14	3.04	1.83	2.96	2.42	1.18	2.16	1.04	.37	2.02
IN.	2.61	2.47	3.62	3.51	1.91	3.41	2.70	1.36	2.41	1.20	.42	2.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1995, BY WATER YEAR (WY)

MEAN	2698	2900	3961	4163	3019	3356	2459	2555	2106	1816	2434	2935
MAX	4951	4963	6461	5935	4971	5756	4228	9529	5646	4904	4808	5652
(WY)	1992	1990	1990	1990	1991	1990	1991	1991	1991	1991	1991	1991
MIN	1369	2060	1757	1499	1038	1033	365	189	320	322	382	848
(WY)	1991	1991	1994	1994	1992	1993	1992	1992	1993	1993	1992	1992

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR			FOR 1995 WATER YEAR			WATER YEARS 1989 - 1995		
ANNUAL TOTAL	998423			1176362			2812		
ANNUAL MEAN	2735			3223			4441		
HIGHEST ANNUAL MEAN							1685		
LOWEST ANNUAL MEAN							21900		
HIGHEST DAILY MEAN	12100			Feb 11			10500		
LOWEST DAILY MEAN	166			May 23			41		
ANNUAL SEVEN-DAY MINIMUM	177			May 17			49		
INSTANTANEOUS PEAK FLOW							15000		
INSTANTANEOUS PEAK STAGE							22.67		
ANNUAL RUNOFF (CFSM)	1.74						2.05		
ANNUAL RUNOFF (INCHES)	23.66						27.87		
10 PERCENT EXCEEDS	4970						5240		
50 PERCENT EXCEEDS	2900						3280		
90 PERCENT EXCEEDS	274						903		

YAZOO RIVER BASIN

07287150 ABIACA CREEK NEAR SEVEN PINES, MS

LOCATION.--Lat 33°20'24", long 90°09'04", in NW 1/4 SE 1/4 sec.13, T.17 N., R.1 E., Choctaw Meridian, Carroll County, Hydrologic Unit 08030206, on right bank at upstream side of bridge on county road, 5.0 mi northeast of Cruger, and 4.0 mi southwest of Seven Pines.

DRAINAGE AREA.--95.2 mi², revised.

PERIOD OF RECORD.--Water years 1992 to current year.

PERIOD OF DAILY RECORD.--

DISCHARGE: October 1991 to current year.

SUSPENDED SEDIMENT CONCENTRATION: October 1991 to current year.

SUSPENDED SEDIMENT DISCHARGE: October 1991 to current year.

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 134.28 ft above sea level. October 28, 1955 to present, discharge measurements and gage height record at same site and datum in files of U.S. Army Corps of Engineers, Vicksburg District. Automatic pumping sediment sampler since October 1991.

REMARKS.--No estimated daily discharges. Discharge records good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

DISCHARGE: Maximum observed, 5,670 ft³/s, Feb. 11, 1994, maximum gage height, 19.30 ft, Apr. 23, 1995; minimum, 23 ft/s, Aug. 17, 1992.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 2,150 mg/L, Mar. 9, 1994; minimum daily mean, 6 mg/L, Oct. 9, 1992.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 24,200 tons, Mar. 9, 1994; minimum daily, 0.56 ton, Oct. 9, 1992.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum, 5,220 ft³/s, Apr. 23, gage height, 19.30 ft; minimum, 24 ft³/s, Sept. 18-20.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 1,860 mg/L, Mar. 7; minimum daily mean, 18 mg/L, Sept. 5.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 16,200 tons, Mar. 7; minimum daily, 1.5 tons, Sept. 5.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT								
04...	0900	35	106	7.0	19.0	8.3	--	--
17...	1315	42	--	--	18.5	8.6	--	--
NOV								
01...	0900	43	115	7.1	12.5	10.2	--	--
15...	1415	42	94	7.0	21.5	9.2	--	--
30...	0940	59	94	--	9.0	10.6	--	--
DEC								
12...	1205	89	68	7.0	10.0	11.5	--	--
JAN								
05...	1000	60	101	6.9	3.5	12.5	--	--
10...	1015	88	96	6.8	9.0	10.5	--	--
25...	0800	127	85	6.5	6.5	11.4	--	--
FEB								
07...	1100	68	118	7.2	8.5	10.9	--	--
22...	1145	77	87	6.6	12.5	10.1	--	--
MAR								
07...	1130	3210	--	--	--	--	--	--
09...	0900	1130	36	--	12.0	10.2	--	--
21...	1640	113	98	7.0	23.0	8.2	--	--
28...	1545	147	86	6.8	21.0	7.6	--	--
APR								
10...	1400	60	117	7.2	27.0	8.3	--	--
19...	1030	65	117	7.2	20.5	8.4	--	--
MAY								
16...	1345	51	133	7.4	29.0	7.3	--	--
31...	1030	59	116	7.1	22.5	8.1	--	--
JUN								
14...	1045	49	116	7.0	23.0	7.8	--	--
27...	1200	45	110	7.6	28.0	8.2	--	--
JUL								
05...	1615	92	75	7.5	21.0	8.0	4200	12000
05...	1900	242	72	7.5	21.0	7.8	--	--
05...	2200	459	59	7.3	21.0	--	10000	18000
06...	0100	475	50	7.1	21.0	--	--	--
06...	0400	341	52	7.1	21.0	--	4200	12000
06...	0700	229	57	7.2	21.5	7.7	--	--
06...	1000	158	62	7.3	22.0	8.0	5200	10000
06...	1300	120	62	7.4	25.0	8.2	--	--
06...	1600	103	70	7.4	26.5	7.4	1100	1700
06...	1900	91	76	7.4	26.5	7.6	--	--
06...	2200	80	79	7.3	25.5	8.2	760	1200
07...	0100	76	79	7.3	24.5	7.2	--	--
07...	0400	73	82	7.4	23.0	7.8	550	840
07...	0700	70	88	7.4	23.0	8.0	--	--
07...	1000	68	87	7.6	23.5	8.0	620	700
07...	1300	61	95	7.6	28.5	8.0	280	380
07...	1600	55	93	7.6	32.0	8.0	--	--
12...	0735	41	114	7.2	25.0	7.1	--	--
25...	1615	31	111	7.8	36.0	6.3	--	--
AUG								
08...	0830	84	70	6.8	25.5	7.4	--	--
15...	1200	45	110	7.8	29.5	7.3	140	100
22...	1315	35	108	7.2	31.0	7.2	--	--
SEP								
05...	1315	33	117	7.6	28.0	7.9	--	--
18...	1510	35	115	7.1	29.5	7.0	--	--

07287150 ABIACA CREEK NEAR SEVEN PINES. MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
OCT								
04...	0.010	0.120	0.020	0.050	0.010	0.70	--	--
17...	<0.010	0.210	0.040	0.050	0.060	1.9	--	--
NOV								
01...	0.010	0.170	<0.020	0.050	0.050	1.7	--	--
15...	0.010	0.150	<0.010	0.080	0.060	3.1	--	--
30...	0.010	0.130	<0.040	0.090	0.090	4.1	--	--
DEC								
12...	0.020	0.150	<0.050	0.190	0.120	7.3	--	--
JAN								
05...	0.010	0.230	0.060	0.090	0.090	3.3	--	--
10...	0.010	0.210	0.060	0.170	0.100	13	--	--
25...	0.030	0.200	0.080	0.190	0.140	14	--	--
FEB								
07...	0.010	0.220	0.030	0.060	0.070	15	--	--
22...	0.020	0.190	0.050	0.160	0.110	14	--	--
MAR								
07...	--	--	--	--	--	--	2030	17600
09...	0.040	0.090	0.060	0.350	0.240	15	--	--
21...	0.020	0.160	0.020	0.140	0.110	5.2	--	--
28...	0.020	0.090	0.030	0.220	0.100	6.2	--	--
APR								
10...	<0.010	0.020	0.010	0.050	0.040	4.1	--	--
19...	0.010	0.130	0.020	0.070	0.050	1.5	--	--
MAY								
16...	0.010	0.110	0.030	0.060	0.060	1.7	--	--
31...	0.010	0.120	0.060	0.100	0.050	2.7	--	--
JUN								
14...	0.010	0.100	0.010	0.050	0.060	1.1	--	--
27...	0.010	0.040	0.010	0.040	0.040	1.7	--	--
JUL								
05...	0.030	0.170	0.060	0.260	0.170	4.7	456	113
05...	0.040	0.390	0.120	1.00	0.210	4.7	2840	1860
05...	0.050	0.260	0.150	0.530	0.260	6.3	1600	1980
06...	0.040	0.210	0.150	0.490	0.230	7.4	1040	1330
06...	0.040	0.310	0.160	0.770	0.210	7.8	746	687
06...	0.030	0.240	0.190	0.520	0.180	7.0	4060	2510
06...	0.030	0.240	0.180	0.480	0.170	--	822	351
06...	0.030	0.220	0.150	0.400	0.160	5.9	302	98
06...	0.030	0.200	0.100	0.390	0.140	5.2	249	69
06...	0.020	0.200	0.100	0.300	0.130	4.9	174	43
06...	0.020	0.220	0.120	0.250	0.110	5.1	147	32
07...	0.020	0.210	0.140	0.250	0.100	4.7	137	28
07...	0.020	0.200	0.130	0.220	0.090	4.7	120	24
07...	0.020	0.180	0.110	0.210	0.100	4.0	133	25
07...	0.020	0.170	0.080	0.200	0.090	4.4	114	21
07...	0.020	0.160	0.050	0.190	0.090	3.3	103	17
07...	0.020	0.150	0.040	0.190	0.080	3.1	111	16
12...	0.020	0.160	0.050	0.090	0.100	1.9	--	--
25...	0.010	<0.020	0.030	0.040	0.050	1.2	--	--
AUG								
08...	0.020	0.180	0.060	0.210	0.130	5.5	--	--
15...	0.010	0.130	0.030	0.040	0.060	1.8	--	--
22...	0.010	0.110	0.020	0.060	0.050	1.8	--	--
SEP								
05...	0.010	0.130	0.020	0.040	0.030	1.1	--	--
18...	0.010	0.160	0.020	0.050	0.040	12	--	--

		COLOR (PLAT- INUM- COBALT UNITS) (00080)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY LAB (MG/L AS CAC03) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	
JUL	05...		>800	4.4	1.8	3.1	3.2	28	1.9	2.3	0.10	9.8
AUG	15...		1200	50	8.1	4.0	5.8	1.4	47	2.5	3.7	19
	DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRIE, DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS) (01002)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/L AS AS) (01003)	CADMIUM RECOV- ERABLE TOTAL FM BOT- TOM MA- TERIAL (UG/L AS CD) (01027)	CADMIUM RECOV- ERABLE TOTAL FM BOT- TOM MA- TERIAL (UG/G AS CD) (01028)
JUL	05...	64	45	0.010	0.260	0.090	0.060	14000	22	2	1	<1
AUG	15...	86	74	0.010	0.130	0.030	0.030	410	2	2	<1	<1
	DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01029)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO) (01038)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU) (01043)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE) (01170)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	
JUL	05...	18	2	10	<5	23	2	27000	110	290	19	
AUG	15...	<1	1	<1	<5	<1	<1	1200	380	1800	2	

07287150 ABIACA CREEK NEAR SEVEN PINES, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	LEAD, REC OV, FM BOT- TOM MA- TERIAL (UG/G AS PB) (01052)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED WATER (UG/L AS MN) (01056)	MANGA- NESE, REC OV, FM BOT- TOM MA- TERIAL (UG/G) (01053)	MERCURY REC OV, TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY REC OV, FM BOT- TOM MA- TERIAL (UG/G) AS HG) (71921)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE) (01147)	SELE- NIUM, IN BOT- TOM MA- TERIAL (UG/G) (01148)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, REC OV, FM BOT- TOM MA- TERIAL (UG/G) AS ZN) (01093)
JUL 05...	<10	1700	150	20	0.10	<0.01	<1	<1	70	<1
AUG 15...	<10	160	110	18	<0.10	<0.01	<1	<1	<4	<10

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

		ALDI-CARB WATER WHOLE TUT.REC (UG/L) (82619)	ALDRIN, TOTAL (UG/L) (39330)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39333)	CARBO-FURAN WATER WHOLE TUT.REC (UG/L) (82615)	CHLOR-DANE, TECH-NICAL TOTAL (UG/L) (39350)	CHLOR-DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39351)	CHLOR-PYRIFOS TOTAL RECOVER (UG/L) (38932)	P,P'-DDD UNFILT RECOVER (UG/L) (39360)	P,P'-DDD, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39363)	DDE, RECOVER IN BOT- TOM MA- TERIAL (UG/L) (39365)	P,P'-DDT UNFILT RECOVER (UG/L) (39370)	
MAY 16...		<0.500	<0.010	--	<0.500	<0.100	--	<0.010	<0.010	--	<0.010	--	<0.010
AUG 08...		--	--	<0.100	--	--	<1.00	--	--	<0.100	--	<0.100	--
	DATE	P,P'-DDT, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39373)	DEF TOTAL (UG/L) (39040)	DI-AZINON, TOTAL (UG/L) (39570)	DI-AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39571)	DI-ELDRIN TOTAL (UG/L) (39380)	DI-ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39383)	DISULFOTON UNFILT RECOVER (UG/L) (39011)	ENDO-SULFAN, I TOTAL (UG/L) (39388)	ENDO-SULFAN IN BOT- TOM MA- TERIAL (UG/KG) (39389)	ENDRIN WATER UNFLTRD (UG/L) (39390)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39393)	
MAY 16...		--	<0.010	<0.010	--	<0.010	--	<0.010	<0.010	--	<0.010	--	
AUG 08...		<0.100	--	--	<0.200	--	<0.100	--	--	<0.100	--	<0.100	
	DATE	ETHION, TOTAL (UG/L) (39398)	ETHION, TOM MA- TERIAL (UG/KG) (39399)	FONOFOS (DY-FONATE) WATER WHOLE TOTAL (UG/L) (82614)	HEPTA-CHLOR, TOTAL (UG/L) (39410)	HEPTA-CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39413)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM TOTAL (UG/L) (39420)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. TOTAL (UG/KG) (39423)	LINDANE TOTAL (UG/L) (39340)	LINDANE TOM MA- TERIAL (UG/KG) (39343)	MALA-THION, TOTAL (UG/L) (39530)	MALA-THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39531)	
MAY 16...		<0.010	--	<0.010	<0.010	--	<0.010	--	<0.010	--	<0.010	--	
AUG 08...		--	<0.200	--	--	<0.100	--	<0.100	--	<0.100	--	<2.00	
	DATE	METHIO-CARB WATER WHOLE RECOV. (UG/L) (30282)	METHO-MYL TOTAL (UG/L) (39051)	METH-OXY-CHLOR, TOTAL (UG/L) (39480)	METH-OXY-CHLOR, TOT. IN BOTTOM TOTAL (UG/KG) (39481)	METHYL-THION, TOTAL (UG/L) (39600)	METHYL-THION, TOT. IN BOTTOM TOTAL (UG/KG) (39601)	MIREX, TOTAL (UG/L) (39755)	MIREX, TOM MA- TERIAL (UG/KG) (39758)	1-NAPH-THOL WATER WHOLE REC (UG/L) (77441)	PARA-THION, TOTAL (UG/L) (39540)	PARA-THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39541)	
MAY 16...		<0.500	<0.500	<0.010	--	<0.010	--	<0.010	--	<0.500	<0.010	--	
AUG 08...		--	--	--	<0.800	--	<0.200	--	<0.100	--	--	<0.200	
	DATE	PCB, TOTAL (UG/L) (39516)	PCB, TOM MA- TERIAL (UG/KG) (39519)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39250)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39251)	PER-THANE TOTAL (UG/L) (39034)	PER-THANE TOM MA- TERIAL (UG/KG) (81886)	PHORATE TOTAL (UG/L) (39023)	PROPHAM TOTAL (UG/L) (39052)	PROPOXUR WATER WHOLE RECOV. (UG/L) (30296)	CARB-ARYL UNFILT RECOVER (UG/L) (39750)	TOX-APHENE, TOTAL (UG/L) (39400)	
MAY 16...		<0.100	--	<0.100	--	<0.100	--	<0.010	<0.500	<0.500	<0.500	<1.00	
AUG 08...		--	<1.00	--	<1.00	--	<1.00	--	--	--	--	--	
	DATE	TOXA-PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39403)	TOTAL TRI-THION (UG/L) (39786)	TRI-THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39787)	2,4-D, TOTAL (UG/L) (39730)	2,4-DP TOTAL (UG/L) (82183)	2,4,5-T TOTAL (UG/L) (39740)	ALA-CHLOR TOTAL RECOVER (UG/L) (77825)	AME-TRYNE TOTAL (UG/L) (82184)	ATRAZINE WATER UNFLTRD REC (UG/L) (39630)	BROM-ACIL WATER WHLREC (UG/L) (30234)	BUTA-CHLOR WATER WHLREC (UG/L) (30235)	
MAY 16...		--	<0.010	--	<0.010	<0.010	<0.010	<0.100	<0.100	0.100	<0.200	<0.100	
AUG 08...		<10.0	--	<0.200	--	--	--	--	--	--	--	--	

07287150 ABIACA CREEK NEAR SEVEN PINES, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	BUTYL- ATE WATER WHLREC (UG/L) (30236)	CARBOX- IN WATER WHOLE RECOV- ERBLE (UG/L) (30245)	CYAN- AZINE TOTAL (UG/L) (81757)	CYCLO- ATE WATER WHOLE RECOV- ERABLE (UG/L) (30254)	DEETHYL ATRA- ZINE, WATER, WHOLE, TOTAL (UG/L) (75981)	DE-ISO PROPYL ATRAZIN WATER, WHOLE, TOTAL (UG/L) (75980)	DICAMBA TOTAL (UG/L) (82052)	DIPHEN- AMID WATER WHOLE RECOV- ERABLE (UG/L) (30255)	HEXAZI- NONE WATER WHOLE RECOV- ERABLE (UG/L) (30264)	METOLA- CHLOR WATER WHOLE TOT. REC (UG/L) (82612)	METRI- BUZIN WATER WHOLE TOT. REC (UG/L) (82611)
	MAY 16...	<0.100	<0.200	<0.200	<0.100	<0.200	<0.200	<0.010	<0.100	<0.200	<0.200
	AUG 08...	--	--	--	--	--	--	--	--	--	--
DATE	PIC- LORAM UNFILT RECOVER (UG/L) (39720)	PROME- TONE TOTAL (UG/L) (39056)	PROME- TRYNE TOTAL (UG/L) (39057)	PROPA- CHLOR WATER WHOLE RECOV. (UG/L) (30295)	PRO- PAZINE TOTAL (UG/L) (39024)	SILVEX, TOTAL (UG/L) (39760)	SIMA- ZINE TOTAL (UG/L) (39055)	SIME- TRYNE TOTAL (UG/L) (39054)	TER- BACIL WATER WHOLE RECOV. (UG/L) (30311)	TRI- FLURA- LIN TOTAL RECOVER (UG/L) (39030)	VER- NOLATE WATER WHOLE RECOV. (UG/L) (30324)
	MAY 16...	<0.010	<0.200	<0.100	<0.100	<0.100	<0.010	<0.100	<0.100	<0.200	<0.100
	AUG 08...	--	--	--	--	--	--	--	--	--	--

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .002 MM (70337)	SED. SUSP. FALL DIAM. % FINER THAN .004 MM (70338)	SED. SUSP. FALL DIAM. % FINER THAN .008 MM (70339)	SED. SUSP. FALL DIAM. % FINER THAN .016 MM (70340)	SED. SUSP. FALL DIAM. % FINER THAN .031 MM (70341)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)
MAR 07...	1130	9	18	22	34	60	80	86	94	99	100

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK) (000002)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM (80164)	BED MAT. SIEVE DIAM. % FINER THAN .125 MM (80165)	BED MAT. SIEVE DIAM. % FINER THAN .250 MM (80166)	BED MAT. SIEVE DIAM. % FINER THAN .500 MM (80167)	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM (80168)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)
SEP 18...	1512	25.0	<1	1	10	54	89	95	98
18...	1514	50.0	<1	<1	2	32	61	66	70
18...	1516	75.0	1	2	6	49	69	72	74

YAZOO RIVER BASIN

07287150 ABIACA CREEK NEAR SEVEN PINES, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

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	33	36	3.2	40	37	4.0	49	68	9.0
2	35	36	3.4	41	42	4.6	47	55	7.0
3	33	36	3.2	44	44	5.3	49	43	5.8
4	34	36	3.3	41	48	5.3	57	50	7.7
5	35	37	3.5	123	375	224	54	55	8.0
6	33	40	3.6	83	175	44	48	51	6.7
7	33	42	3.8	49	77	10	47	48	6.1
8	58	60	17	44	53	6.3	46	47	5.9
9	156	609	268	52	56	9.7	46	47	5.8
10	60	118	20	167	320	180	419	479	884
11	50	129	17	78	58	12	229	187	136
12	58	212	34	59	54	8.6	91	83	20
13	57	142	22	52	51	7.2	64	67	12
14	48	87	11	45	45	5.5	59	62	9.9
15	47	65	8.2	39	34	3.5	91	133	43
16	45	65	7.8	36	38	3.7	188	168	87
17	41	90	10	35	44	4.2	131	144	51
18	37	85	8.4	37	54	5.3	83	94	21
19	39	105	11	39	64	6.7	67	65	12
20	40	77	8.3	38	39	4.1	69	63	12
21	55	164	28	37	26	2.6	69	62	12
22	198	345	193	38	22	2.3	110	209	66
23	90	120	30	39	20	2.1	92	101	26
24	63	73	12	40	21	2.3	67	64	12
25	55	64	9.5	39	22	2.3	70	48	9.1
26	47	60	7.7	43	23	2.7	59	37	5.8
27	42	63	7.1	44	27	3.3	69	37	6.8
28	40	64	7.0	151	204	117	63	40	6.7
29	44	51	6.0	70	89	17	188	275	259
30	45	39	4.7	54	78	11	296	310	265
31	43	33	3.9				157	153	65
JANUARY			FEBRUARY			MARCH			
1	112	82	25	70	175	33	233	239	208
2	70	57	11	67	188	34	135	103	41
3	63	67	11	68	194	36	130	99	30
4	59	71	11	66	199	36	97	133	32
5	57	58	9.0	68	205	37	528	447	480
6	471	712	1870	65	152	27	518	462	454
7	481	367	571	66	55	9.8	1650	1860	16200
8	175	106	51	66	90	16	1450	1080	4420
9	123	66	22	66	104	18	1060	572	1670
10	101	80	21	71	110	21	627	381	650
11	76	114	23	70	103	19	354	293	283
12	69	99	18	69	95	18	234	225	142
13	69	81	15	65	96	17	173	167	78
14	67	65	12	65	118	20	137	122	45
15	66	64	11	60	137	22	649	851	1860
16	62	65	11	1130	1830	8410	859	459	1110
17	60	69	11	992	691	1090	457	227	286
18	252	503	1620	477	316	417	295	148	120
19	1380	1430	6320	260	177	125	189	99	51
20	569	338	548	166	129	58	142	76	29
21	275	149	113	125	112	38	121	107	35
22	179	101	49	110	103	30	113	86	27
23	182	102	51	94	100	26	129	112	39
24	146	93	37	78	100	21	117	86	27
25	120	114	37	75	100	20	113	82	25
26	95	100	26	75	100	20	86	74	17
27	88	154	37	143	296	142	294	415	386
28	98	162	43	491	450	619	173	153	76
29	93	157	39				113	84	26
30	76	94	20				94	80	20
31	71	98	19				86	67	15

YAZOO RIVER BASIN

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07287150 ABIACA CREEK NEAR SEVEN PINES, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
APRIL			MAY			JUNE			
1	79	66	14	131	77	27	95	144	37
2	78	88	18	108	79	23	74	86	17
3	71	152	29	98	81	21	67	103	19
4	68	114	21	106	134	40	62	113	19
5	67	63	11	97	108	28	55	112	17
6	66	58	10	83	80	18	51	85	12
7	65	63	11	82	77	17	49	71	9.3
8	63	63	11	71	79	15	50	77	10
9	64	62	11	68	88	16	50	74	10
10	60	56	9.2	64	97	17	50	53	7.1
11	126	257	108	61	101	17	54	53	7.8
12	101	190	55	58	100	16	53	105	15
13	77	69	14	58	84	13	46	84	10
14	71	146	28	57	70	11	46	59	7.4
15	70	121	23	53	57	8.2	46	58	7.2
16	68	94	17	50	44	6.0	44	66	7.8
17	67	79	14	48	69	8.9	46	63	7.9
18	63	84	14	50	72	9.8	46	60	7.5
19	62	58	9.7	50	70	9.5	43	63	7.2
20	224	169	414	48	60	7.8	46	82	10
21	1090	1110	3850	49	51	6.8	49	99	13
22	2190	1000	6960	49	47	6.2	46	99	12
23	4100	1330	15500	46	53	6.6	45	89	11
24	1610	1030	4680	47	57	7.3	45	66	8.0
25	1230	813	2690	62	121	27	46	48	6.0
26	1110	607	1820	55	142	22	45	39	4.8
27	776	355	743	49	86	11	42	42	4.8
28	520	214	300	50	71	9.6	42	48	5.4
29	276	134	101	56	63	9.7	43	76	8.8
30	174	101	48	55	75	11	40	92	10
31				61	88	15			
JULY			AUGUST			SEPTEMBER			
1	40	55	6.0	36	27	2.6	32	34	3.0
2	40	51	5.5	34	26	2.4	31	31	2.6
3	37	51	5.1	35	13	1.2	33	28	2.6
4	43	51	6.0	50	60	9.7	33	25	2.3
5	140	784	590	279	745	812	32	18	1.5
6	189	445	322	661	573	1250	31	21	1.8
7	63	116	20	152	146	63	32	26	2.3
8	53	98	14	79	93	20	32	31	2.7
9	49	84	11	65	114	21	32	35	3.1
10	42	75	8.5	54	106	16	34	38	3.5
11	40	75	8.1	47	97	12	33	42	3.8
12	38	74	7.6	45	81	9.8	31	43	3.7
13	38	73	7.4	47	67	8.6	33	43	3.8
14	38	68	7.0	46	57	7.2	33	34	3.0
15	38	54	5.5	43	52	6.1	32	24	2.1
16	40	42	4.5	42	48	5.5	35	22	2.1
17	37	37	3.7	39	44	4.6	36	22	2.1
18	39	44	4.6	37	41	4.1	33	24	2.1
19	38	53	5.4	37	41	4.0	32	32	2.7
20	36	60	5.8	36	41	3.9	37	40	3.9
21	37	63	6.3	37	50	5.0	33	36	3.2
22	36	52	5.0	34	36	3.3	38	29	3.0
23	36	42	4.2	32	51	4.3	39	26	2.8
24	33	36	3.2	31	41	3.4	38	25	2.6
25	33	34	3.0	31	41	3.4	34	24	2.2
26	33	38	3.4	32	38	3.3	38	28	2.8
27	32	37	3.2	32	35	3.0	38	33	3.3
28	32	36	3.1	31	32	2.6	34	31	2.9
29	36	32	3.1	30	28	2.3	37	27	2.7
30	39	28	2.9	31	25	2.1	37	27	2.6
31	36	25	2.4	32	29	2.4			

07287160 ABIACA CREEK AT CRUGER, MS

LOCATION.--Lat 33°20'29", long 90°14'13", in NE 1/4 NW 1/4 sec.18, T.17 N., R.1 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08030206, on left bank at downstream side of bridge on State Highway 49E, 1.0 mi north of Cruger.

DRAINAGE AREA.--95.7 mi², revised.

PERIOD OF RECORD.--Water years 1992 to current year.

PERIOD OF DAILY RECORD.--

DISCHARGE: October 1991 to current year.

SUSPENDED SEDIMENT CONCENTRATION: October 1991 to current year.

SUSPENDED SEDIMENT DISCHARGE: October 1991 to current year.

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 116.52 ft above sea level. Automatic pumping sediment sampler since October 1991.

REMARKS.--No estimated daily discharges. Discharge records fair.

EXTREMES FOR PERIOD OF DAILY RECORD.--

DISCHARGE: Maximum, 3,440 ft³/s, Apr. 23, 1995, gage height, 11.77 ft; minimum, 20 ft³/s, Sept. 19-20, 1995.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 3,320 mg/L, Feb. 15, 1992; minimum daily mean, 1.0 mg/L, Oct. 22, 1992.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 14,500 tons, Mar. 9, 1994; minimum daily, 0.13 ton, Oct. 22, 1992.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum, 3,440 ft³/s, Apr. 23, gage height, 11.77 ft; minimum, 20 ft³/s, Sept. 19-20.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 1,920 mg/L, Mar. 7; minimum daily mean, 8.0 mg/L Sept. 25, 26.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 11,300 tons, Mar. 7; minimum daily, 0.70 ton, Sept. 28.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT								
04...	1030	32	111	7.3	21.0	8.1	--	--
17...	1240	40	108	7.3	18.5	8.7	--	--
NOV								
01...	0930	38	120	7.7	13.0	10.1	--	--
15...	1615	48	93	7.3	20.0	9.3	--	--
30...	1035	57	90	7.7	9.5	10.7	--	--
DEC								
12...	1300	92	67	7.4	8.5	11.5	--	--
JAN								
05...	0930	57	101	6.9	2.0	12.9	--	--
10...	1140	101	91	7.1	9.5	10.9	--	--
25...	0930	115	85	6.8	6.5	11.4	--	--
FEB								
07...	0940	70	116	7.4	7.5	11.2	--	--
22...	1100	102	85	6.5	10.5	10.4	--	--
MAR								
07...	1245	2180	--	--	--	--	--	--
09...	1015	1030	30	--	12.0	10.0	--	--
21...	1510	114	96	7.0	21.5	8.8	--	--
28...	1630	135	82	7.0	20.0	8.2	--	--
APR								
10...	1300	76	117	7.1	24.0	9.2	--	--
19...	0945	68	123	7.5	21.5	8.4	--	--
24...	1345	1230	--	--	--	--	--	--
MAY								
15...	1300	21	127	7.7	27.0	7.1	--	--
31...	1120	51	122	7.5	24.0	8.3	--	--
JUN								
14...	1240	49	119	7.7	25.0	7.6	--	--
27...	1245	49	115	--	28.5	7.9	--	--
JUL								
05...	1600	56	91	7.7	22.5	7.6	800	6600
05...	1900	60	83	7.6	24.0	7.3	--	--
05...	2200	205	76	7.2	21.5	6.0	5200	17000
06...	0100	302	61	7.2	20.0	6.1	--	--
06...	0400	323	58	7.2	21.0	7.8	8200	15000
06...	0700	256	52	7.2	20.0	6.8	--	--
06...	1000	214	54	7.3	21.0	7.0	5800	15000
06...	1300	161	52	7.3	22.0	7.0	--	--
06...	1600	129	64	7.8	24.0	7.4	4000	9200
06...	1900	117	71	7.4	27.0	6.8	--	--
06...	2200	108	72	7.5	25.0	6.5	680	1700
07...	0100	94	74	7.4	27.0	6.6	--	--
07...	0400	88	75	7.5	27.0	6.6	720	1500
07...	0700	86	78	--	23.0	6.5	--	--
07...	1000	79	81	7.4	18.5	7.5	560	1100
07...	1300	79	83	7.5	25.0	7.2	600	960
07...	1600	74	86	7.7	29.0	6.9	--	--
12...	0825	43	115	7.5	27.5	7.2	--	--
25...	1445	40	118	8.5	34.5	7.8	--	--
AUG								
08...	0925	102	68	6.8	26.5	7.7	--	--
15...	1115	43	108	7.6	29.0	7.6	170	290
22...	1230	43	107	7.3	29.0	7.1	--	--
SEP								
06...	1530	39	117	7.9	28.0	8.2	--	--
18...	1515	35	112	7.1	28.0	8.3	--	--

YAZOO RIVER BASIN

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07287160 ABIACA CREEK AT CRUGER, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

		NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)			
OCT												
04...		<0.010	0.110	0.010	0.050	0.040	0.80	--	--			
17...		<0.010	0.210	0.010	0.060	0.070	1.9	--	--			
NOV												
01...		<0.010	0.160	<0.010	0.050	0.050	1.7	--	--			
15...		0.010	0.150	<0.010	0.080	0.070	3.1	--	--			
30...		0.020	0.120	<0.040	0.120	0.130	3.7	--	--			
DEC												
12...		0.020	0.150	<0.060	0.240	0.130	7.9	--	--			
JAN												
05...		0.020	0.230	0.070	0.100	0.120	3.5	--	--			
10...		0.020	0.210	0.060	0.180	0.150	13	--	--			
25...		0.030	0.200	0.080	0.200	0.140	14	--	--			
FEB												
07...		0.020	0.220	0.030	0.110	0.100	14	--	--			
22...		0.020	0.190	0.060	0.180	0.130	14	--	--			
MAR												
07...		--	--	--	--	--	--	2440	14400			
09...		0.050	0.100	0.060	0.320	0.270	16	--	--			
21...		0.020	0.170	0.040	0.150	0.110	5.1	--	--			
28...		0.020	0.100	0.030	0.200	0.120	6.4	--	--			
APR												
10...		<0.010	0.030	0.010	0.070	0.040	3.9	--	--			
19...		0.010	0.120	0.020	0.080	0.050	1.6	--	--			
24...		--	--	--	--	--	--	626	2080			
MAY												
15...		0.010	0.120	0.030	0.070	0.060	1.7	--	--			
31...		0.010	0.120	0.040	0.130	0.060	2.8	--	--			
JUN												
14...		<0.010	0.080	<0.010	0.070	0.070	1.4	--	--			
27...		<0.010	<0.020	0.010	0.020	0.050	1.9	--	--			
JUL												
05...		0.010	0.090	0.020	0.160	0.050	3.3	108	16			
05...		0.010	0.130	0.040	0.230	0.070	1.9	177	29			
05...		0.020	0.200	0.160	0.760	0.260	2.1	1920	1060			
06...		0.040	0.450	0.160	0.820	0.590	3.7	1910	1560			
06...		0.040	0.260	0.140	0.380	0.190	6.1	1180	1030			
06...		0.040	0.230	0.140	0.330	0.200	6.5	764	528			
06...		--	--	--	--	--	8.0	521	301			
06...		0.040	0.260	0.170	0.370	0.180	6.9	353	153			
06...		0.030	0.260	0.140	0.280	0.130	6.9	291	101			
06...		0.020	0.250	0.080	0.330	0.110	6.3	252	80			
06...		0.020	0.230	0.060	0.400	0.140	4.4	211	62			
07...		0.020	0.220	0.060	0.230	0.100	4.4	186	47			
07...		0.020	0.240	0.080	0.190	0.080	4.2	171	41			
07...		0.010	0.240	0.090	0.170	0.080	4.1	186	43			
07...		0.010	0.240	0.080	0.220	0.080	4.6	140	30			
07...		0.020	0.220	0.060	0.210	0.100	4.2	194	41			
07...		0.020	0.200	0.040	0.230	0.100	4.1	127	25			
12...		0.010	0.160	0.030	0.100	0.080	1.9	--	--			
25...		0.010	<0.020	0.030	0.040	0.060	1.5	--	--			
AUG												
08...		0.030	0.200	0.060	0.240	0.150	5.0	--	--			
15...		0.010	0.140	0.020	0.070	0.080	2.2	--	--			
22...		0.030	0.130	0.040	0.210	0.150	2.4	--	--			
SEP												
06...		0.010	0.080	0.010	0.060	0.040	1.3	--	--			
18...		0.010	0.140	0.020	0.070	0.050	12	--	--			
DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	
JUL												
05...	2200	>800	6.4	3.0	4.3	2.2	34	2.2	2.7	0.10	12	
AUG												
15...	1115	120	8.8	4.6	5.8	1.7	46	2.4	3.6	0.10	20	
DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL RECOV- ERABLE (UG/L AS AS) (01002)	ARSENIC IN BOT- TOM MA- TERIAL (UG/L AS AS) (01003)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/L AS CD) (01028)
JUL												
05...		<64	55	0.010	0.200	0.160	0.040	15000	3	2	1	<1
AUG												
15...		78	76	0.010	0.140	0.020	0.060	470	2	1	<1	<1
DATE	TIME	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01029)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	COBALT, FM BOT- TOM MA- TERIAL (UG/G) AS CO) (01038)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, FM BOT- TOM MA- TERIAL (UG/G) AS CU) (01043)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	IRON, FM BOT- TOM MA- TERIAL (UG/G) AS FE) (01170)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	
JUL												
05...		21	2	20	<5	<1	2	30000	60	320	25	
AUG												
15...		<1	<1	<1	<5	2	<1	1300	420	920	<1	

07287160 ABIACA CREEK AT CRUGER. MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

		LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/PB (01052)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01053)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG) (71921)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G) AS SE) (01147)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G) AS SE) (01148)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN) (01093)	
JUL	05...	<10	1800	350	38	0.10	0.01	<1	<1	90	<1	
AUG	15...	<10	75	21	89	0.10	<0.01	<1	<1	<4	<10	
PESTICIDE ANALYSES, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995												
DATE	ALDI- CARB WATER WHOLE TOT.REC (UG/L) (82619)	ALDRIN, TOTAL (UG/L) (39330)	ALDRIN, TOM MA- TERIAL (UG/KG) (39333)	CARBO- FURAN WATER WHOLE TOT.REC (UG/L) (82615)	CHLOR- DANE, TECH- NICAL TOTAL (UG/L) (39350)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39351)	CHLOR- PYRIFOS TOTAL RECOVER (UG/L) (38932)	P.P'- DDD UNFILT RECOVER (UG/L) (39360)	P.P'- DDD, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39363)	DDE, TOTAL (UG/L) (39365)	P.P'- DDD, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39368)	P.P'- DDD, RECOVER IN BOT- TOM MA- TERIAL (UG/L) (39370)
MAY	15...	<0.500	<0.010	--	<0.500	<0.100	--	<0.010	<0.010	--	<0.010	<0.010
AUG	08...	--	--	<0.100	--	--	<1.00	--	--	<0.100	--	<0.100
DATE	P.P'- DDT, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39373)	DEF TOTAL (UG/L) (39040)	DI- AZINON, TOTAL (UG/L) (39570)	DI- AZINON, TOM MA- TERIAL (UG/KG) (39571)	DI- ELDRIN, TOTAL (UG/L) (39380)	DI- ELDRIN, TOM MA- TERIAL (UG/KG) (39383)	DISUL- FOTON UNFILT RECOVER (UG/L) (39011)	ENDO- SULFAN, I TOTAL (UG/L) (39388)	ENDO- SULFAN, I TOM MA- TERIAL (UG/KG) (39389)	ENDRIN, WATER UNFLTRD REC (UG/L) (39390)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39393)	
MAY	15...	--	<0.010	<0.010	--	<0.010	--	<0.010	<0.010	--	<0.010	--
AUG	08...	<0.100	--	--	<0.200	--	<0.100	--	--	<0.100	--	<0.100
DATE	ETHION, TOTAL (UG/L) (39398)	ETHION, TOM MA- TERIAL (UG/KG) (39399)	FONOFOS (DY- FONATE) WATER WHOLE TOT.REC (UG/L) (82614)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR, TOM MA- TERIAL (UG/KG) (39413)	HEPTA- CHLOR, TOTAL EPOXIDE TOT. IN BOTTOM MATL. (UG/L) (39420)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/L) (39423)	LINDANE TOTAL (UG/L) (39340)	LINDANE TOTAL (UG/L) (39343)	MALA- THION, TOTAL (UG/L) (39530)	MALA- THION, TOM MA- TERIAL (UG/KG) (39531)	
MAY	15...	<0.010	--	<0.010	<0.010	--	<0.010	--	<0.010	--	<0.010	--
AUG	08...	--	<0.200	--	--	<0.100	--	<0.100	--	<0.100	--	<2.00
DATE	METHIO- CARB WATER WHOLE RECOV. (UG/L) (30282)	METHO- MYL TOTAL (UG/L) (39051)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	METHYL THION, TOTAL (UG/L) (39600)	METHYL THION, TOT. IN BOTTOM MATL. (UG/KG) (39601)	MIREX, TOTAL (UG/L) (39755)	MIREX, TOM MA- TERIAL (UG/KG) (39758)	1-NAPH- THOL WATER WHOLE REC (UG/L) (77441)	PARA- THION, TOTAL (UG/L) (39540)	PARA- THION, TOM MA- TERIAL (UG/KG) (39541)	
MAY	15...	<0.500	<0.500	<0.010	--	<0.010	--	<0.010	--	<0.500	<0.010	--
AUG	08...	--	--	--	<0.800	--	<0.200	--	<0.100	--	--	<0.200
DATE	PCB, TOTAL (UG/L) (39516)	PCB, TOM MA- TERIAL (UG/KG) (39519)	PCNS UNFILT RECOVER (UG/L) (39250)	PCN, TOTAL (UG/L) (39251)	PER- THANE TOTAL (UG/L) (39034)	PER- THANE TOM MA- TERIAL (UG/KG) (81886)	PHORATE TOTAL (UG/L) (39023)	PROPHAM TOTAL (UG/L) (39052)	PROPO- XUR WATER WHOLE RECOV. (UG/L) (30296)	CARB- ARYL UNFILT RECOVER (UG/L) (39750)	TOX- APHENE, TOTAL (UG/L) (39400)	
MAY	15...	<0.100	--	<0.100	--	<0.100	--	<0.010	<0.500	<0.500	<0.500	<1.00
AUG	08...	--	<1.00	--	<1.00	--	<1.00	--	--	--	--	--
DATE	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39403)	TOTAL TRI- THION (UG/L) (39786)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39787)	2,4-D, TOTAL (UG/L) (39730)	2, 4-DP TOTAL (UG/L) (82183)	2,4,5-T TOTAL (UG/L) (39740)	ALA- CHLOR TOTAL RECOVER (UG/L) (77825)	AME- TRYNE TOTAL (UG/L) (82184)	ATRA- ZINE WATER UNFLTRD REC (UG/L) (39630)	BROM- ACIL WATER WHLREC (UG/L) (30234)	BUTA- CHLOR WATER WHLREC (UG/L) (30235)	
MAY	15...	--	<0.010	--	<0.010	<0.010	<0.010	<0.100	<0.100	0.100	<0.200	<0.100
AUG	08...	<10.0	--	<0.200	--	--	--	--	--	--	--	--

07287160 ABIACA CREEK AT CRUGER, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	BUTYL- ATE WATER WHLREC (UG/L) (30236)	CARBOX- IN WATER WHOLE RECOV- ERABLE (UG/L) (30245)	CYAN- AZINE TOTAL (UG/L) (81757)	CYCLO- ATE WATER WHOLE RECOV- ERABLE (UG/L) (30254)	DEETHYL ATRA- ZINE, WATER, WHOLE, TOTAL (UG/L) (75981)	DE-ISO PROPYL ATRAZIN WATER, WHOLE, TOTAL (UG/L) (75980)	DICAMBA TOTAL (UG/L) (82052)	DIPHEN- AMID WATER WHOLE RECOV- ERABLE (UG/L) (30255)	HEXAZI- NONE WATER WHOLE RECOV- ERABLE (UG/L) (30264)	METOLA- CHLOR WATER WHOLE TOT. REC (UG/L) (82612)	METRI- BUZIN WATER WHOLE TOT. REC (UG/L) (82611)
------	---	--	--	--	---	---	---------------------------------------	--	--	---	--

MAY 15... <0.100 <0.200 <0.200 <0.100 <0.200 <0.200 <0.010 <0.100 <0.200 <0.200 <0.100

AUG 08... -- -- -- -- -- -- -- -- -- -- --

DATE	PIC- LORAM UNFILT RECOVER (UG/L) (39720)	PROME- TONE TOTAL (UG/L) (39056)	PROME- TRYNE TOTAL (UG/L) (39057)	PROPA- CHLOR WATER WHOLE RECOV. (UG/L) (30295)	PRO- PAZINE TOTAL (UG/L) (39024)	SILVEX, TOTAL (UG/L) (39760)	SIMA- ZINE TOTAL (UG/L) (39055)	SIME- TRYNE TOTAL (UG/L) (39054)	TER- BACIL WATER WHOLE RECOV. (UG/L) (30311)	TRI- FLURA- LIN TOTAL RECOVER (UG/L) (39030)	VER- NOLATE WATER WHOLE RECOV. (UG/L) (30324)
------	---	--	---	--	--	---------------------------------------	---	--	--	--	---

MAY 15... <0.010 <0.200 <0.100 <0.100 <0.100 <0.010 <0.100 <0.100 <0.200 <0.100 <0.100

AUG 08... -- -- -- -- -- -- -- -- -- -- --

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .002 MM (70337)	SED. SUSP. FALL DIAM. % FINER THAN .004 MM (70338)	SED. SUSP. FALL DIAM. % FINER THAN .008 MM (70339)	SED. SUSP. FALL DIAM. % FINER THAN .016 MM (70340)	SED. SUSP. FALL DIAM. % FINER THAN .031 MM (70341)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)
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MAR 07... 1245 15 18 24 34 57 74 77 92 100

APR 24... 1345 1 32 37 48 71 86 89 98 100

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK) (00002)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM (80164)	BED MAT. SIEVE DIAM. % FINER THAN .125 MM (80165)	BED MAT. SIEVE DIAM. % FINER THAN .250 MM (80166)	BED MAT. SIEVE DIAM. % FINER THAN .500 MM (80167)	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM (80168)
------	------	--	--	--	--	--	--

SEP 18... 1517 25.0 1 1 25 97 100
18... 1519 50.0 <1 21 96 100
18... 1521 75.0 1 2 21 95 100

YAZOO RIVER BASIN

07287160 ABIACA CREEK AT CRUGER, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
OCTOBER			NOVEMBER			DECEMBER			
1	27	33	2.4	37	29	2.9	45	54	6.5
2	32	35	3.0	36	30	3.0	41	51	5.7
3	28	37	2.8	35	40	3.8	42	49	5.5
4	30	39	3.1	34	55	5.1	46	46	5.8
5	28	41	3.1	75	254	81	50	44	5.9
6	28	45	3.4	56	168	25	43	39	4.5
7	28	50	3.7	40	59	6.4	41	34	3.8
8	31	60	5.5	38	46	4.7	41	36	4.0
9	118	341	121	39	44	4.6	38	46	4.6
10	56	106	16	100	324	90	191	599	534
11	46	63	7.8	76	126	27	172	288	152
12	50	197	27	63	48	8.2	94	114	30
13	50	130	18	56	42	6.4	80	149	30
14	45	100	12	54	45	6.6	59	74	12
15	42	79	8.8	47	41	5.2	66	179	35
16	42	63	7.2	47	36	4.6	137	270	101
17	41	75	8.4	46	35	4.3	119	101	33
18	36	82	7.9	45	31	3.8	97	67	18
19	38	74	7.5	45	27	3.2	81	46	9.9
20	37	75	7.4	46	26	3.3	64	45	7.8
21	41	80	9.0	45	28	3.3	57	49	7.6
22	120	361	124	42	35	4.0	68	165	35
23	89	154	38	42	46	5.3	74	123	25
24	61	90	15	42	42	4.8	64	68	12
25	52	60	8.4	43	35	4.1	59	54	8.6
26	47	49	6.1	46	34	4.3	55	44	6.6
27	42	42	4.7	45	35	4.2	54	47	6.8
28	39	40	4.3	109	446	151	53	53	7.5
29	38	40	4.1	72	201	40	81	241	79
30	40	32	3.4	53	82	12	139	195	79
31	40	26	2.7				86	76	18
JANUARY			FEBRUARY			MARCH			
1	74	49	9.9	70	70	13	210	191	111
2	68	37	6.8	68	61	11	139	109	42
3	63	43	7.3	67	48	8.7	113	76	23
4	57	57	8.9	66	41	7.2	108	64	19
5	55	86	13	71	35	6.6	327	441	478
6	251	665	1060	70	32	6.0	383	400	446
7	418	479	675	70	48	9.0	1770	1920	11300
8	161	148	66	69	44	8.2	1680	1250	6170
9	117	80	25	68	38	7.0	980	594	1600
10	99	68	18	74	39	7.8	493	383	524
11	89	59	14	73	37	7.2	284	221	173
12	82	56	12	74	33	6.7	201	149	81
13	78	54	11	71	31	5.9	162	107	47
14	77	48	10	69	32	6.0	136	94	34
15	76	42	8.5	65	41	7.1	465	610	1410
16	72	37	7.2	888	1530	6860	899	564	1520
17	66	42	7.5	854	796	2010	361	193	202
18	103	168	216	325	350	316	232	188	122
19	1220	1510	5980	184	197	99	169	98	45
20	410	344	402	142	123	48	136	86	32
21	198	157	85	115	114	35	118	78	25
22	148	123	49	98	104	28	104	71	20
23	143	103	40	87	96	22	121	66	22
24	127	101	35	79	104	22	115	61	19
25	112	87	27	74	104	21	110	57	17
26	92	69	17	75	102	21	89	53	13
27	83	67	15	99	969	272	197	511	340
28	87	58	14	371	830	857	158	204	94
29	88	49	12				111	93	28
30	77	43	9.0				96	64	17
31	71	54	10				86	55	13

YAZOO RIVER BASIN

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07287160 ABIACA CREEK AT CRUGER, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
APRIL			MAY			JUNE			
1	82	48	11	124	91	31	85	317	75
2	81	42	9.1	106	82	23	69	89	17
3	78	37	7.8	89	84	20	63	73	12
4	74	37	7.4	94	104	26	58	73	11
5	74	39	7.7	96	187	48	53	73	10
6	74	38	7.6	86	192	45	49	68	8.9
7	73	36	7.2	85	130	30	47	61	7.7
8	74	38	7.5	75	91	18	46	55	6.8
9	74	40	8.0	70	87	17	43	51	5.9
10	76	39	8.0	66	84	15	45	56	6.7
11	111	236	87	61	81	13	48	65	8.3
12	127	120	44	53	77	11	53	72	10
13	91	73	18	52	74	10	45	71	8.7
14	81	64	14	62	72	12	45	67	8.1
15	77	52	11	64	61	9.8	44	49	5.8
16	75	41	8.2	65	50	9.0	43	36	4.2
17	73	33	6.5	62	53	8.9	42	27	3.1
18	69	43	8.0	58	53	8.3	42	23	2.7
19	65	46	8.2	55	53	7.9	42	21	2.4
20	102	207	179	53	48	6.9	43	32	3.7
21	1020	1240	4140	53	42	6.0	49	57	7.5
22	1780	1320	7470	51	37	5.1	47	51	6.6
23	2590	1080	7560	46	39	4.8	51	35	4.8
24	1230	642	2150	46	43	5.4	49	24	3.2
25	1030	518	1440	54	112	21	48	17	2.2
26	916	431	1070	67	338	68	50	13	1.7
27	635	305	529	49	152	20	47	21	2.7
28	399	207	228	47	120	15	44	17	2.0
29	224	144	88	54	162	24	43	12	1.3
30	157	112	48	54	120	17	42	9	1.0
31				51	113	15			
JULY			AUGUST			SEPTEMBER			
1	39	13	1.4	36	29	3.0	34	21	1.9
2	37	15	1.5	34	37	3.4	33	20	1.8
3	34	17	1.5	34	52	5.1	34	20	1.9
4	33	31	2.8	40	53	6.5	35	21	2.0
5	68	309	150	177	1310	792	35	22	2.1
6	198	651	448	473	825	1290	31	26	2.2
7	78	154	33	152	220	94	31	28	2.3
8	59	125	20	96	199	53	31	24	2.0
9	54	119	17	71	148	29	31	20	1.7
10	48	111	14	67	155	31	33	17	1.5
11	43	93	11	53	62	8.8	33	15	1.3
12	41	64	7.1	48	55	7.2	30	16	1.3
13	40	56	6.0	47	53	6.8	32	19	1.7
14	40	65	7.1	48	50	6.6	32	22	1.9
15	40	48	5.2	42	48	5.5	31	26	2.2
16	41	31	3.5	42	42	4.8	30	23	1.9
17	40	21	2.3	41	40	4.4	34	18	1.7
18	39	21	2.3	40	39	4.1	33	15	1.3
19	39	27	2.8	38	37	3.9	29	14	1.1
20	36	34	3.2	39	36	3.8	32	15	1.3
21	39	41	4.3	41	40	4.5	33	16	1.4
22	41	39	4.4	43	108	12	36	16	1.6
23	40	36	3.8	38	61	6.1	37	14	1.4
24	40	31	3.4	37	25	2.5	37	11	1.1
25	38	23	2.3	36	20	1.9	35	8	.80
26	36	23	2.3	36	19	1.8	35	8	.78
27	35	25	2.4	35	18	1.7	33	9	.76
28	34	23	2.1	35	17	1.6	30	9	.73
29	33	21	1.8	33	19	1.7	30	9	.77
30	37	22	2.2	33	21	1.9	29	10	.77
31	38	24	2.5	33	21	1.9			

YAZOO RIVER BASIN

07287355 FANNEGUSHA CREEK NEAR HOWARD, MS

LOCATION.--Lat 33°08'13", long 90°11'40", in NW1/4 NE1/4 sec.28, T.15 N., R.1 E., Chickasaw Meridian, Holmes County, Hydrologic Unit 08030206, on downstream side of bridge on paved county road, 0.9 mi north of Howard and 2.2 mi south of State Highway 12.

DRAINAGE AREA.--107 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1987 to current year, August 1953 to February 1966 (annual maximums only). Occasional discharge measurements since 1947 in files of U.S. Army Corps of Engineers.

REVISED RECORDS.--WDR MS-92-1: 1955 (M), Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 123.79 ft above sea level, (levels by U.S. Army Corps of Engineers).

REMARKS.--Estimated daily discharges: Jan. 20-24, Mar 9, Mar. 17-19, Apr. 25-29, and May 30. Records good except for estimated daily discharges, which are poor.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 19	0500	6,350	18.42	Mar. 15	0715	4,010	16.10
Mar. 7	1830	5,920	18.04	Apr. 23	1330	*8,640	*20.21

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	27	39	56	55	179	58	128	364	30	19	16
2	22	26	36	49	53	74	56	112	100	31	18	15
3	22	26	37	45	51	56	55	97	67	29	18	15
4	22	26	125	43	48	52	54	94	53	32	21	15
5	22	43	73	41	46	1130	54	91	47	196	317	16
6	22	86	47	287	45	607	52	71	43	288	188	16
7	22	37	40	353	44	3750	51	63	41	51	36	15
8	22	30	38	88	42	1600	50	57	39	36	27	15
9	306	28	39	65	41	e520	50	55	38	32	24	15
10	48	85	330	56	44	271	48	50	37	31	22	15
11	35	57	251	53	60	175	263	47	60	30	20	15
12	208	37	71	51	53	137	144	44	95	28	19	15
13	77	32	53	49	46	110	69	43	43	28	19	16
14	44	30	47	49	44	97	58	41	37	27	18	15
15	36	29	60	50	44	2940	55	40	35	26	18	15
16	34	28	291	48	993	1400	52	40	34	26	17	15
17	32	27	175	46	692	e400	50	38	33	26	17	16
18	31	27	78	590	123	e210	49	36	33	28	17	16
19	30	27	59	3610	78	e140	48	35	32	25	17	15
20	30	26	51	e700	62	113	625	34	32	24	17	16
21	174	26	47	e330	54	96	3240	33	36	23	17	16
22	754	26	87	e200	49	85	3430	32	33	24	18	18
23	146	25	86	e140	46	77	6890	31	32	23	17	21
24	55	25	55	e110	44	71	1710	30	31	22	16	19
25	41	25	47	97	41	66	e850	37	31	21	16	18
26	35	26	44	80	40	63	e540	42	30	20	16	18
27	32	37	42	72	48	127	e370	31	29	20	16	18
28	30	561	41	93	768	116	e250	30	29	21	16	18
29	29	76	171	86	---	73	e200	518	29	24	16	18
30	28	46	208	65	---	65	154	e200	29	21	16	18
31	28	---	70	58	---	61	---	179	---	19	16	---
TOTAL	2439	1607	2838	7660	3754	14861	19575	2379	1572	1262	1049	489
MEAN	78.7	53.6	91.5	247	134	479	652	76.7	52.4	40.7	33.8	16.3
MAX	754	561	330	3610	993	3750	6890	518	364	288	317	21
MIN	22	25	36	41	40	52	48	30	29	19	16	15
CFSM	.76	.52	.89	2.40	1.30	4.65	6.33	.75	.51	.40	.33	.16
IN.	.88	.58	1.02	2.77	1.36	5.37	7.07	.86	.57	.46	.38	.18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1995, BY WATER YEAR (WY)

	1987	1988	1989	1990	1991	1992	1993	1994	1995
MEAN	33.5	76.2	226	235	331	314	362	159	119
MAX	78.7	188	756	468	733	479	1635	524	422
(WY)	1995	1990	1991	1990	1991	1995	1991	1991	1989
MIN	11.0	31.4	59.7	59.2	124	116	57.2	20.2	14.1
(WY)	1988	1991	1990	1992	1993	1992	1987	1988	1988

SUMMARY STATISTICS FOR 1994 CALENDAR YEAR FOR 1995 WATER YEAR WATER YEARS 1987 - 1995

	1994 CALENDAR YEAR	1995 WATER YEAR	WATER YEARS 1987 - 1995
ANNUAL TOTAL	62128	59485	
ANNUAL MEAN	170	163	176
HIGHEST ANNUAL MEAN			378
LOWEST ANNUAL MEAN			73.3
HIGHEST DAILY MEAN	4880	Feb 11	6890
LOWEST DAILY MEAN	19	Aug 18	15
ANNUAL SEVEN-DAY MINIMUM	20	Aug 14	15
INSTANTANEOUS PEAK FLOW			8640
INSTANTANEOUS PEAK STAGE			20.21
ANNUAL RUNOFF (CFSM)	1.65		1.58
ANNUAL RUNOFF (INCHES)	22.44		21.48
10 PERCENT EXCEEDS	344		256
50 PERCENT EXCEEDS	42		43
90 PERCENT EXCEEDS	24		18

e Estimated

07287355 FANNEGUSHA CREEK NEAR HOWARD, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1987 to current year.

PERIOD OF DAILY RECORD.--

SUSPENDED SEDIMENT CONCENTRATION: March 1987 to May 1989.

SUSPENDED SEDIMENT DISCHARGE: March 1987 to May 1989.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT								
06...	0925	22	196	7.4	19.5	8.6	--	--
17...	1200	32	175	7.2	18.5	8.5	--	--
NOV								
01...	1000	27	193	7.4	13.5	9.5	--	--
16...	1115	28	154	7.1	17.5	9.8	--	--
30...	1140	46	110	7.0	10.5	9.7	--	--
DEC								
12...	1130	71	81	7.5	8.0	11.3	--	--
JAN								
05...	0845	41	169	7.1	3.0	12.2	--	--
10...	1415	56	157	6.9	11.5	9.9	--	--
25...	1130	97	143	6.7	7.5	11.0	--	--
FEB								
06...	1320	44	194	7.1	8.5	11.2	--	--
22...	1030	49	156	6.7	10.5	10.3	--	--
MAR								
09...	1125	520	57	6.4	11.0	10.0	--	--
21...	1235	98	151	6.9	20.0	9.2	--	--
28...	1720	90	134	6.9	20.0	8.1	--	--
APR								
10...	1045	48	195	--	23.0	9.0	--	--
19...	1130	48	200	7.2	23.0	8.4	--	--
MAY								
15...	1145	40	206	7.4	26.5	7.0	--	--
31...	1200	241	69	6.8	26.0	7.8	--	--
JUN								
14...	1615	34	184	7.5	30.0	8.4	--	--
27...	1400	29	195	7.7	31.0	8.0	--	--
JUL								
12...	0905	28	194	7.4	27.5	6.9	--	--
25...	1315	21	196	7.5	32.0	--	--	--
AUG								
03...	1600	18	190	7.3	32.0	7.8	K72	120
03...	1900	18	188	7.4	31.5	7.2	--	--
03...	2200	18	189	7.3	30.0	6.2	130	100
04...	0100	20	188	7.5	28.0	5.6	--	--
04...	0400	20	187	7.5	27.0	50.0	170	320
04...	0700	20	177	7.2	27.0	6.2	--	--
04...	1000	21	178	7.2	26.0	6.0	300	1400
04...	1300	21	174	7.3	26.0	6.4	--	--
04...	1600	23	174	7.0	27.0	7.0	480	1100
04...	1900	23	181	7.5	32.0	6.4	--	--
04...	2200	23	180	7.5	27.0	5.9	K300	1100
05...	0100	24	178	7.4	27.0	6.4	--	--
05...	0400	25	177	7.5	27.0	6.5	210	1100
05...	0700	25	175	7.3	21.0	6.4	--	--
05...	1000	47	175	7.3	26.0	6.0	240	330
05...	1300	51	175	7.2	27.0	8.4	--	--
05...	1600	185	171	7.0	30.0	9.0	K80	130
08...	1040	27	112	6.9	28.0	7.0	--	--
15...	1015	18	184	7.5	28.5	7.4	93	120
22...	1130	18	178	7.2	29.0	7.6	--	--
SEP								
05...	1145	16	200	7.8	24.0	8.8	--	--
18...	1330	16	196	7.4	26.0	8.5	--	--

YAZOO RIVER BASIN

07287355 FANNEGUSHA CREEK NEAR HOWARD, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE		NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
OCT									
06...		--	--	--	--	--	0.80	--	--
17...		0.010	0.140	0.050	0.120	0.080	4.1	--	--
NOV									
01...		<0.010	0.090	<0.040	0.070	0.050	2.5	--	--
16...		0.010	0.100	<0.030	0.080	0.070	4.3	--	--
30...		0.020	0.160	<0.090	0.170	0.130	7.1	--	--
DEC									
12...		0.020	0.160	<0.040	0.200	0.130	12	--	--
JAN									
05...		<0.010	0.200	0.070	0.090	0.060	3.4	--	--
10...		0.010	0.190	0.070	0.140	0.090	17	--	--
25...		0.020	0.240	0.120	0.190	0.080	17	--	--
FEB									
06...		0.010	0.160	0.050	0.050	0.040	19	--	--
22...		0.010	0.180	0.050	0.050	0.060	18	--	--
MAR									
09...		0.030	0.160	0.060	0.320	0.190	16	--	--
21...		0.010	0.050	0.040	0.090	0.060	3.2	--	--
28...		0.010	0.240	0.080	0.130	0.070	7.7	--	--
APR									
10...		<0.010	0.020	0.030	0.030	0.020	2.0	--	--
19...		<0.010	0.090	0.040	0.030	0.030	1.9	--	--
MAY									
15...		<0.010	0.020	0.040	0.020	0.020	2.0	--	--
31...		0.050	0.260	0.140	0.910	0.310	8.1	--	--
JUN									
14...		0.020	0.250	0.040	0.100	0.070	2.7	--	--
27...		<0.010	<0.020	0.030	0.040	0.040	1.8	--	--
JUL									
12...		0.010	0.060	0.050	0.050	0.050	2.9	--	--
25...		0.010	<0.020	0.040	<0.020	0.040	1.6	--	--
AUG									
03...		<0.010	<0.020	0.010	<0.020	0.040	2.2	8	0.39
03...		<0.010	<0.020	0.020	0.050	0.040	2.1	3	0.15
03...		<0.010	<0.020	0.020	0.020	0.040	2.1	6	0.29
04...		0.010	<0.020	0.020	0.080	0.040	2.1	17	0.92
04...		<0.010	<0.020	0.020	0.040	0.040	2.1	19	1.0
04...		0.010	<0.020	0.020	0.060	0.040	2.2	4	0.22
04...		0.010	<0.020	0.020	0.060	0.040	1.9	9	0.51
04...		0.010	<0.020	0.020	0.080	0.040	1.9	4	0.23
04...		0.010	<0.020	0.030	0.060	0.040	2.0	4	0.25
04...		0.010	<0.020	0.030	0.050	0.040	1.9	5	0.31
04...		0.010	<0.020	0.030	0.080	0.040	1.8	40	2.5
05...		0.010	<0.020	0.040	0.060	0.040	1.8	19	1.2
05...		0.010	<0.020	0.040	0.250	0.040	1.7	32	2.2
05...		0.010	0.020	0.030	0.040	0.040	1.8	42	2.8
05...		0.010	<0.020	0.020	E0.040	0.040	1.6	7	0.89
05...		0.010	<0.020	0.020	E0.030	0.040	1.7	7	0.96
05...		0.010	<0.020	0.020	E0.030	0.040	1.8	9	4.5
08...		0.020	0.210	0.100	0.130	0.100	5.4	--	--
15...		0.010	<0.020	0.020	0.020	0.040	2.3	--	--
22...		0.010	0.020	0.020	0.040	0.030	1.9	--	--
SEP									
05...		0.010	0.020	0.010	0.040	0.030	1.4	--	--
18...		0.010	0.020	0.010	0.030	0.020	19	--	--

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)
AUG											
05...	0700	40	15	7.3	8.6	1.3	73	7.6	5.8	0.10	16
15...	1015	10	15	7.7	8.1	1.8	74	8.5	5.8	0.20	18

DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS) (01002)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS) (01003)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM RECOVERABLE FM BOT- TOM MA- TERIAL (UG/G AS CD) (01028)
AUG												
05...	88	107	0.010	0.020	0.040	0.040	250	1	2	<1	<1	
15...	120	111	0.010	<0.020	0.020	0.030	120	2	3	<1	<1	

07287355 FANNEGUSHA CREEK NEAR HOWARD, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01029)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01038)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01043)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01046)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01170)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)
AUG 05...	<1	<1	<1	<5	1	<1	1100	1100	1100	<1
15...	<1	<1	<1	<5	1	2	960	600	2700	<1
DATE	LEAD, RECOV- FM BOT- TOM MA- TERIAL (UG/G AS PB) (01052)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01056)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01053)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71921)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE) (01147)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE) (01148)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01093)
AUG 05...	<10	250	190	120	<0.10	<0.01	<1	<1	6	<10
15...	<10	320	330	350	0.10	<0.01	<1	<1	<4	<10

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	ALDI- CARB WATER WHOLE TOT.REC (UG/L) (82619)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39330)	CARBO- FURAN WATER WHOLE TOT.REC (UG/L) (82615)	CHLOR- DANE, TECH- NICAL TOTAL TERIAL (UG/L) (39350)	CHLOR- DANE, TECH- NICAL TOTAL TERIAL (UG/L) (39351)	CHLOR- PYRIFOS TOTAL RECOVER (UG/L) (38932)	P,P'- DDD UNFILT RECOVER (UG/L) (39360)	P,P'- DDD TOTAL RECOVER (UG/L) (39363)	P,P'- DDD TOTAL RECOVER (UG/L) (39365)	P,P'- DDD TOTAL RECOVER (UG/L) (39368)	P,P'- DDD TOTAL RECOVER (UG/L) (39370)
MAY 15...	<0.500	<0.010	--	<0.500	<0.100	--	<0.010	<0.010	--	<0.010	<0.010
AUG 08...	--	--	<0.100	--	--	<1.00	--	--	<0.100	--	0.300
DATE	P,P'- DDT, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39373)	DEF TOTAL (UG/L) (39040)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39570)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39571)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39380)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39383)	DISUL- FOTON UNFILT RECOVER (UG/L) (39011)	ENDO- SULFAN, I TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39388)	ENDO- SULFAN, I TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39389)	ENDRIN, WATER UNFILT REC (UG/L) (39390)	ENDRIN, WATER UNFILT REC (UG/L) (39393)
MAY 15...	--	<0.010	<0.010	--	<0.010	--	<0.010	<0.010	--	<0.010	--
AUG 08...	<0.100	--	--	<0.200	--	<0.100	--	--	<0.100	--	<0.500
DATE	ETHION, TOTAL (UG/L) (39398)	ETHION, TOTAL (UG/L) (39399)	FONOFOS (DY- FONATE) WATER WHOLE TOT.REC (UG/L) (82614)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39410)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39413)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39420)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39423)	LINDANE TOTAL (UG/L) (39340)	LINDANE TOTAL (UG/L) (39343)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39530)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39531)
MAY 15...	<0.010	--	<0.010	<0.010	--	<0.010	--	<0.010	--	<0.010	--
AUG 08...	--	<0.200	--	--	<0.100	--	<0.100	--	<0.100	--	<0.200

07287355 FANNEGUSHA CREEK NEAR HOWARD, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

[illegible]

YAZOO RIVER BASIN

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07287400 BLACK CREEK AT LEXINGTON, MS

LOCATION.--Lat 33°06'19", long 90°03'12", 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.

DRAINAGE AREA.--88.1 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1987 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 171.14 ft above sea level.

REMARKS.--Estimated daily discharges: May 26 - June 1. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 19	0015	7,590	23.21	Mar. 15	0415	4,720	18.39
Mar. 5	1130	3,890	16.76	Apr. 23	0515	*8,300	*24.27
Mar. 7	1100	5,100	19.08				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	42	60	62	56	144	65	51	e339	35	29	21
2	30	42	54	52	51	91	67	44	251	102	29	21
3	31	45	110	45	49	81	65	32	165	41	31	20
4	33	39	313	42	46	94	57	45	134	49	105	21
5	27	70	135	39	44	1480	57	41	84	201	150	22
6	26	89	84	531	43	506	56	33	62	244	449	22
7	25	53	68	288	42	2460	54	34	54	114	123	22
8	190	43	65	129	42	615	53	36	51	60	49	22
9	471	87	74	93	42	279	55	34	48	51	34	22
10	91	231	229	76	75	203	52	26	46	45	30	22
11	92	87	201	66	102	158	343	24	55	41	25	22
12	357	59	96	61	80	121	247	22	60	39	24	22
13	118	47	75	58	65	85	162	21	46	38	22	22
14	54	41	70	64	63	101	127	22	41	36	25	22
15	38	38	175	63	67	2460	118	20	44	35	22	30
16	36	43	357	54	774	590	98	21	44	35	20	37
17	35	49	217	47	410	306	99	22	43	32	20	29
18	32	35	112	1580	216	196	103	21	42	32	20	29
19	34	34	87	2890	156	130	80	20	39	33	20	23
20	86	34	75	372	128	105	1350	18	36	32	21	22
21	744	33	65	215	112	91	2920	16	42	33	47	78
22	842	32	76	158	102	102	2580	16	35	36	27	325
23	252	32	85	174	94	113	5980	16	33	32	23	75
24	112	30	65	122	87	72	753	17	32	30	22	50
25	83	30	53	96	80	59	356	49	33	29	21	43
26	62	36	48	81	76	61	267	e36	33	28	21	35
27	56	70	46	76	99	222	206	e37	30	27	21	34
28	50	324	43	76	283	126	167	e75	35	28	21	32
29	46	116	140	66	---	85	129	e350	35	40	20	31
30	44	73	139	62	---	75	91	e135	32	33	20	29
31	45	---	79	59	---	67	---	e270	---	29	20	---
TOTAL	4170	1984	3496	7797	3484	11278	16757	1604	2024	1640	1511	1205
MEAN	135	66.1	113	252	124	364	559	51.7	67.5	52.9	48.7	40.2
MAX	842	324	357	2890	774	2460	5980	350	339	244	449	325
MIN	25	30	43	39	42	59	52	16	30	27	20	20
CFSM	1.53	.75	1.28	2.85	1.41	4.13	6.34	.59	.77	.60	.55	.46
IN.	1.76	.84	1.48	3.29	1.47	4.76	7.08	.68	.85	.69	.64	.51

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1995, BY WATER YEAR (WY)

	1987	1988	1989	1990	1991	1992	1993	1994	1995
MEAN	57.9	91.5	125	186	260	245	253	141	88.0
MAX	162	223	232	379	497	374	864	302	285
(WY)	1989	1990	1991	1989	1991	1991	1991	1989	1989
MIN	18.6	32.2	68.0	56.2	98.7	88.8	45.1	29.7	21.1
(WY)	1988	1991	1994	1988	1992	1992	1987	1988	1988

SUMMARY STATISTICS FOR 1994 CALENDAR YEAR FOR 1995 WATER YEAR WATER YEARS 1987 - 1995

	1994	1995	1987-1995
ANNUAL TOTAL	53846	56950	
ANNUAL MEAN	148	156	
HIGHEST ANNUAL MEAN			139
LOWEST ANNUAL MEAN			217
HIGHEST DAILY MEAN			69.4
LOWEST DAILY MEAN	3520	5980	7000
ANNUAL SEVEN-DAY MINIMUM	11	16	11
INSTANTANEOUS PEAK FLOW	20	18	15
INSTANTANEOUS PEAK STAGE		8300	8300
ANNUAL RUNOFF (CFSM)	1.67	24.27	24.27
ANNUAL RUNOFF (INCHES)	22.74	1.77	1.58
10 PERCENT EXCEEDS	264	24.05	21.50
50 PERCENT EXCEEDS	46	53	44
90 PERCENT EXCEEDS	24	22	22

e Estimated

YAZOO RIVER BASIN

07287400 BLACK CREEK AT LEXINGTON, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1988 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
AUG								
03...	1600	28	103	7.2	28.5	7.8	230	460
03...	1900	29	136	6.7	27.5	6.8	--	--
03...	2130	49	--	--	26.0	7.2	--	--
04...	0630	43	97	7.1	24.0	8.0	--	--
04...	0930	43	94	6.9	24.0	7.5	K2000	4800
04...	1230	80	91	6.9	24.5	7.4	--	--
04...	1530	158	68	6.8	25.0	7.1	K25000	K39000
04...	1830	156	79	6.5	24.5	6.6	--	--
04...	2130	201	66	6.8	24.5	5.8	K14000	K21000
05...	0030	173	63	7.0	24.0	5.7	--	--
05...	0330	146	67	7.1	24.0	5.7	K7000	9100
05...	0630	131	72	7.2	23.5	7.5	--	--
05...	0930	126	70	7.0	23.5	8.1	3300	7000
05...	1230	120	74	7.2	25.0	8.1	--	--
05...	1530	116	73	7.2	26.5	8.2	2100	3500

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
AUG								
03...	0.010	0.090	0.010	0.060	0.030	2.0	--	--
03...	0.070	0.400	0.270	1.10	0.290	14	--	--
03...	0.050	0.240	0.060	0.280	0.170	3.0	--	--
04...	0.010	0.160	0.050	0.070	0.060	3.1	97	11
04...	0.010	0.160	0.050	0.070	0.060	3.1	93	11
04...	0.030	0.200	0.040	0.210	0.150	3.1	300	65
04...	0.060	0.260	0.130	0.570	0.330	5.4	507	216
04...	0.040	0.170	0.080	0.450	0.170	5.4	1030	434
04...	0.040	0.190	0.100	0.270	0.200	7.0	1040	564
05...	0.040	0.330	0.080	0.340	0.170	7.9	573	268
05...	0.040	0.360	0.070	0.300	0.180	7.7	465	183
05...	0.040	0.460	0.060	0.380	0.170	8.1	348	123
05...	0.030	0.360	0.050	0.220	0.140	7.7	325	111
05...	0.030	0.270	0.040	0.160	0.120	7.0	209	68
05...	0.020	0.210	0.040	0.160	0.120	4.8	186	58

07287404 HARLAND CREEK NEAR HOWARD, MS

LOCATION.--Lat 33°06'05", long 90°10'23", in NW 1/4 SW 1/4 sec.35, T.15 N., R.1 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08030206, on right bank at downstream side of bridge on gravel road, 1.3 mi downstream from Williams Creek, 0.8 mi upstream from mouth, and 1.8 mi southeast of Howard.

DRAINAGE AREA.--62.1 mi².

PERIOD OF RECORD.--Water years 1987 to current year.

PERIOD OF DAILY RECORD.--

DISCHARGE: November 1986 to current year.
 SPECIFIC CONDUCTANCE: December 1986 to February 1987.
 pH: December 1986 to March 1987.
 WATER TEMPERATURE: December 1986 to March 1987.
 DISSOLVED OXYGEN: December 1986 to February 1987.
 SUSPENDED SEDIMENT CONCENTRATION: December 1986 to current year.
 SUSPENDED SEDIMENT DISCHARGE: December 1986 to current year.

INSTRUMENTATION.--Water-stage recorder and crest-stage gage. Datum of gage is 132.85 ft above sea level. Automatic pumping sediment sampler since December 1986.

REMARKS.--Unpublished records of daily specific conductance, pH, water temperature, and dissolved oxygen during selected storm events are available in files of District office. Estimated daily discharges: Oct. 15-25. Discharge records good except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--8 years, 97.2 ft³/s, 21.25 in/yr.

EXTREMES FOR PERIOD OF DAILY RECORD.--

DISCHARGE: Maximum, 7,440 ft³/s, Mar. 18, 1987, maximum gage height, 22.95 ft, Jan. 18-19, 1995; minimum, 5.6 ft³/s, Aug. 17-18, 1988.
 SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 11,100 mg/L, Feb. 2, 1988; minimum daily mean, 1 mg/L, on several days in 1987-88, 1990, 1995.
 SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 62,800 tons, Nov. 16, 1987; minimum daily, 0.02 ton, on several days in 1988.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum, 6,420 ft³/s, Jan. 18, gage height, 22.95 ft; minimum, 8.1 ft³/s, Aug. 21-25.
 SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 6,110 mg/L, Mar. 5; minimum daily mean, 1 mg/L, Aug. 14,15.
 SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 56,000 tons, Apr. 23; minimum daily, 0.77 ton, June 19.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT								
06...	1050	9.7	279	7.1	19.0	7.8	--	--
NOV								
01...	1030	17	267	7.3	14.5	9.4	--	--
16...	1215	17	225	7.2	17.5	10.0	--	--
30...	1220	23	206	7.0	12.0	9.4	--	--
DEC								
12...	1000	39	161	7.3	8.5	11.0	--	--
JAN								
05...	0800	20	257	7.1	3.5	11.8	--	--
10...	1315	31	227	6.8	11.5	10.5	--	--
25...	1030	62	225	6.7	8.0	10.6	--	--
FEB								
06...	1220	24	303	7.0	9.0	11.0	--	--
22...	0930	20	243	7.0	10.0	10.0	--	--
MAR								
07...	0945	3130	--	--	--	--	--	--
09...	1215	181	--	6.6	11.0	9.9	--	--
21...	1130	50	230	6.9	19.5	9.1	--	--
28...	1745	35	265	7.0	19.5	7.7	--	--
APR								
10...	1115	18	288	7.1	22.5	9.2	--	--
19...	1130	15	300	7.2	23.5	8.0	--	--
MAY								
15...	0945	16	306	7.2	25.5	7.6	--	--
31...	1230	484	183	7.1	24.0	7.4	--	--
JUN								
14...	1425	16	301	7.4	27.0	8.1	--	--
27...	1345	13	284	7.6	29.0	9.1	--	--
JUL								
12...	0935	13	276	7.3	27.5	6.4	--	--
25...	1130	10	289	7.5	29.0	7.1	--	--
AUG								
03...	1500	10	285	7.0	30.0	9.2	K24	K54
03...	1800	9.4	286	6.9	30.0	8.0	--	--
03...	2100	10	278	6.9	29.5	6.0	120	340
03...	2400	13	284	7.3	28.0	6.0	--	--
04...	0300	14	277	7.2	27.0	5.0	K48	300
04...	0600	16	269	6.9	27.0	5.8	--	--
04...	0900	16	261	6.7	26.0	5.6	220	520
04...	1200	19	248	6.8	26.0	6.2	--	--
04...	1500	56	240	6.7	27.0	6.8	480	3900
04...	1800	85	190	6.9	25.0	6.0	--	--
04...	2100	78	170	7.2	27.0	6.0	10000	13000
04...	2400	63	205	7.2	24.0	7.6	--	--
05...	0300	51	209	7.2	24.0	7.5	2800	6700
05...	0600	39	206	7.0	21.0	6.4	--	--
05...	0900	33	217	7.0	26.0	6.8	3100	2600
05...	1200	28	226	7.0	26.0	7.4	--	--
05...	1500	26	229	6.9	27.0	7.2	660	880
08...	1120	15	232	7.1	28.5	6.6	--	--
15...	0945	11	278	7.4	27.0	6.7	95	80
22...	1050	8.3	270	8.2	28.0	7.8	--	--
SEP								
05...	1100	10	288	7.5	22.0	8.6	--	--
18...	1145	11	308	6.5	25.0	8.8	--	--

YAZOO RIVER BASIN

07287404 HARLAND CREEK NEAR HOWARD, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

		NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)		
	OCT										
	06...	<0.010	<0.020	0.010	0.070	0.010	0.90	--	--		
	NOV										
	01...	<0.010	0.030	<0.040	0.130	0.050	2.9	--	--		
	16...	0.010	0.020	<0.020	0.130	0.070	3.9	--	--		
	30...	0.010	0.050	<0.050	0.120	0.130	6.2	--	--		
	DEC										
	12...	0.010	0.060	<0.040	0.220	0.150	10	--	--		
	JAN										
	05...	<0.010	0.040	0.040	0.120	0.050	4.2	--	--		
	10...	0.020	0.080	0.070	0.140	0.140	23	--	--		
	25...	0.020	0.120	0.080	0.100	0.120	24	--	--		
	FEB										
	06...	<0.010	0.020	0.020	0.030	0.020	29	--	--		
	22...	0.010	0.050	0.040	0.110	0.060	25	--	--		
	MAR										
	07...	--	--	--	--	--	--	6350	53700		
	09...	0.020	0.080	0.050	0.160	0.130	23	--	--		
	21...	0.010	0.260	0.090	0.090	0.060	3.5	--	--		
	28...	0.010	0.030	0.040	0.080	0.060	6.0	--	--		
	APR										
	10...	<0.010	<0.020	0.010	0.030	0.020	1.1	--	--		
	19...	<0.010	<0.020	0.020	0.130	0.030	1.9	--	--		
	MAY										
	15...	<0.010	<0.020	0.030	0.020	0.020	1.6	--	--		
	31...	0.020	0.280	0.230	0.410	0.170	8.8	--	--		
	JUN										
	14...	<0.010	<0.020	0.010	<0.020	0.020	1.6	--	--		
	27...	<0.010	<0.020	0.010	<0.020	0.020	1.9	--	--		
	JUL										
	12...	<0.010	<0.020	0.020	0.030	0.030	2.5	--	--		
	25...	<0.010	<0.020	0.040	0.020	0.020	1.9	--	--		
	AUG										
	03...	<0.010	<0.020	0.020	<0.020	0.020	1.6	7	0.19		
	03...	<0.010	<0.020	0.010	<0.020	0.020	1.6	10	0.25		
	03...	<0.010	<0.020	0.010	<0.020	0.020	1.8	10	0.27		
	03...	<0.010	<0.020	0.010	<0.020	0.020	1.7	15	0.53		
	04...	<0.010	<0.020	0.010	0.050	0.020	1.7	21	0.79		
	04...	0.010	<0.020	0.010	0.050	0.020	1.7	15	0.65		
	04...	0.010	<0.020	0.020	<0.020	0.030	1.8	23	0.99		
	04...	0.010	<0.020	0.020	0.090	0.040	1.9	39	2.0		
	04...	0.010	<0.020	0.030	0.170	0.070	1.7	137	21		
	04...	0.050	0.030	0.060	1.10	0.210	3.1	1420	326		
	04...	0.070	0.080	0.090	0.660	0.250	5.3	394	83		
	04...	0.050	0.050	0.070	0.420	0.260	3.9	222	38		
	05...	0.040	0.040	0.070	0.310	0.200	3.6	197	27		
	05...	0.040	0.040	0.080	0.350	0.220	4.3	153	16		
	05...	0.030	0.040	0.060	0.370	0.180	4.0	166	15		
	05...	0.040	0.050	0.080	0.410	0.180	4.0	127	9.6		
	05...	0.030	0.060	0.070	0.350	0.150	3.8	--	--		
	08...	0.020	0.110	0.130	0.130	0.100	4.1	--	--		
	15...	<0.010	<0.020	0.020	<0.020	0.020	2.0	--	--		
	22...	0.010	0.020	0.010	0.030	0.020	2.0	--	--		
	SEP										
	05...	0.010	0.020	0.010	0.050	0.020	1.5	--	--		
	18...	0.010	0.020	0.010	0.020	0.020	34	--	--		
DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)
AUG											
05...	0600	200	20	9.2	7.5	2.0	96	5.7	4.7	0.20	17
15...	0945	10	27	14	9.0	1.6	128	6.1	5.8	0.20	22
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00660)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, TOTAL RECOVER- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/L AS AS) (01003)	CADMIUM TOTAL RECOVER- ERABLE (UG/L AS CD) (01027)	CADMIUM RECOVER. FM BOT- TOM MA- TERIAL (UG/L AS CD) (01028)
AUG											
05...	118	125	<0.010	0.040	0.030	0.050	4900	5	1	<1	<1
15...	162	163	<0.010	<0.020	0.020	0.010	160	2	3	<1	<1
DATE		CHRO- MIUM, TOTAL RECOVER- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/L) (01029)	COBALT, TOTAL RECOVER- ERABLE (UG/L AS CO) (01037)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/L AS CO) (01038)	COPPER, TOTAL RECOVER- ERABLE (UG/L AS CU) (01042)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/L AS CU) (01043)	IRON, TOTAL RECOVER- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/L AS FE) (01170)	LEAD, TOTAL RECOVER- ERABLE (UG/L AS PB) (01051)
AUG											
05...	7	<1	4	<5	9	<1	11000	86	920	7	
15...	<1	1	<1	<5	<1	<1	820	58	2600	<1	

07287404 HARLAND CREEK NEAR HOWARD, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	LEAD, RECOV. FM BOT- TOM MA- TERRIAL (UG/G AS PB) (01052)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERRIAL (UG/G) (01053)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY RECOV. FM BOT- TOM MA- TERRIAL (UG/G AS HG) (71921)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERRIAL (UG/L AS SE) (01147)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERRIAL (UG/G) (01148)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, RECOV. FM BOT- TOM MA- TERRIAL (UG/G AS ZN) (01093)
AUG 05...	<10	650	220	57	<0.10	<0.01	<1	<1	30	<10
15...	<10	490	520	150	0.10	<0.01	<1	<1	<4	<10

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	ALDI- CARB WATER WHOLE TOT.REC (UG/L) (82619)	ALDRIN, TOTAL TOM MA- TERRIAL (UG/L) (39330)	ALDRIN, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39333)	CARBO- FURAN WATER WHOLE TOT.REC (UG/L) (82615)	CHLOR- DANE, TECH- NICAL TOTAL (UG/L) (39350)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39351)	CHLOR- PYRIFOS TOTAL RECOVER (UG/L) (38932)	P,P'- DDD UNFILT RECOVER (UG/L) (39360)	P,P'- DDD, RECOVER IN BOT- TOM MA- TERRIAL (UG/KG) (39363)	P,P'- DDE, RECOVER IN BOT- TOM MA- TERRIAL (UG/L) (39365)	P,P'- DDT UNFILT RECOVER (UG/L) (39370)
MAY 15...	<0.500	<0.010	--	<0.500	<0.100	--	<0.010	<0.010	--	<0.010	<0.010
AUG 08...	--	--	<0.100	--	--	<1.00	--	--	<0.100	--	<0.100
DATE	P,P'- DDT, RECOVER IN BOT- TOM MA- TERRIAL (UG/KG) (39373)	DEF TOTAL (UG/L) (39040)	DI- AZINON, TOTAL (UG/L) (39570)	DI- AZINON, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39571)	DI- ELDRIN TOTAL (UG/L) (39380)	DI- ELDRIN TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39383)	DISUL- FOTON UNFILT RECOVER (UG/L) (39011)	ENDO- SULFAN, I TOTAL (UG/L) (39388)	ENDO- SULFAN TOTAL IN BOT- TOM MA- TERRIAL (UG/L) (39389)	ENDRIN WATER UNFILT REC (UG/L) (39390)	ENDRIN, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39393)
MAY 15...	--	<0.010	<0.010	--	<0.010	--	<0.010	<0.010	--	<0.010	--
AUG 08...	<0.100	--	--	<0.200	--	<0.100	--	--	<0.100	--	<0.500
DATE	ETHION, TOTAL (UG/L) (39398)	ETHION, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39399)	PONOFOS (DY- FONATE) WATER WHOLE TOT.REC (UG/L) (82614)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39413)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	LINDANE TOTAL (UG/L) (39340)	LINDANE TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39343)	MALA- THION, TOTAL (UG/L) (39530)	MALA- THION, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39531)
MAY 15...	<0.010	--	<0.010	<0.010	--	<0.010	--	<0.010	--	<0.010	--
AUG 08...	--	<0.200	--	--	<0.100	--	<0.100	--	<0.100	--	<0.200
DATE	METHIO- CARB WATER WHOLE RECOV. (UG/L) (30282)	METHO- MYL TOTAL (UG/L) (39051)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	METHYL PARA- THION, TOTAL (UG/L) (39600)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG) (39601)	MIREX, TOTAL (UG/L) (39755)	MIREX, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39758)	1-NAPH- THOL WATER WHOLE REC (UG/L) (77441)	PARA- THION, TOTAL (UG/L) (39540)	PARA- THION, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39541)
MAY 15...	<0.500	<0.500	<0.010	--	<0.010	--	<0.010	--	<0.500	<0.010	--
AUG 08...	--	--	--	<0.800	--	<0.200	--	<0.100	--	--	<0.200
DATE	PCB, TOTAL (UG/L) (39516)	PCB, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39519)	PCNS UNFILT RECOVER (UG/L) (39250)	PCN, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39251)	PER- THANE TOTAL (UG/L) (39034)	PER- THANE TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (81886)	PHORATE TOTAL (UG/L) (39023)	PROPHAM TOTAL (UG/L) (39052)	PROPO- XUR WATER WHOLE RECOV. (UG/L) (30296)	CARB- ARYL UNFILT RECOVER (UG/L) (39750)	TOX- APHENE, TOTAL (UG/L) (39400)
MAY 15...	<0.100	--	<0.100	--	<0.100	--	<0.010	<0.500	<0.500	<0.500	<1.00
AUG 08...	--	<1.00	--	<1.00	--	<1.00	--	--	--	--	--
DATE	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39403)	TOTAL TRI- THION (UG/L) (39786)	TRI- THION, TOTAL IN BOT- TOM MA- TERRIAL (UG/KG) (39787)	2,4-D, TOTAL (UG/L) (39730)	2, 4-DP TOTAL (UG/L) (82183)	2,4,5-T TOTAL (UG/L) (39740)	ALA- CHLOR TOTAL RECOVER (UG/L) (77825)	AME- TRYNE TOTAL (UG/L) (82184)	ATRA- ZINE WATER UNFILT REC (UG/L) (39630)	BROM- ACIL WATER WHLREC (UG/L) (30234)	BUTA- CHLOR WATER WHLREC (UG/L) (30235)
MAY 15...	--	<0.010	--	<0.010	<0.010	<0.010	<0.100	<0.100	<0.100	<0.200	<0.100
AUG 08...	<10.0	--	<0.200	--	--	--	--	--	--	--	--

YAZOO RIVER BASIN

07287404 HARLAND CREEK NEAR HOWARD, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	BUTYL- ATE WATER WHLREC (UG/L) (30236)	CARBOX- IN WATER RECOV- ERABLE (UG/L) (30245)	CYAN- AZINE TOTAL (UG/L) (81757)	CYCLO- ATE WATER RECOV- ERABLE (UG/L) (30254)	DEETHYL ZINE, WATER, TOTAL (UG/L) (75981)	DE-ISO PROPYL ATRAZIN WATER, TOTAL (UG/L) (75980)	DICAMBA TOTAL (UG/L) (82052)	DIPHEN- AMID WATER RECOV- ERABLE (UG/L) (30255)	HEXAZI- NONE WATER RECOV- ERABLE (UG/L) (30264)	METOLA- CHLOR WATER TOTAL (UG/L) (82612)	METRI- BUZIN WATER TOTAL (UG/L) (82611)
MAY 15...	<0.100	<0.200	<0.200	<0.100	<0.200	<0.200	<0.010	<0.100	<0.200	<0.200	<0.100
AUG 08...	--	--	--	--	--	--	--	--	--	--	--
DATE	PIC- LORAM UNFILT RECOVER (UG/L) (39720)	PROME- TONE TOTAL (UG/L) (39056)	PROME- TRYNE TOTAL (UG/L) (39057)	PROPA- CHLOR WATER RECOV. (UG/L) (30295)	PRO- PAZINE TOTAL (UG/L) (39024)	SILVEX, TOTAL (UG/L) (39760)	SIMA- ZINE TOTAL (UG/L) (39055)	SIME- TRYNE TOTAL (UG/L) (39054)	TER- BACIL WATER RECOV. (UG/L) (30311)	TRI- FLURA- LIN TOTAL RECOVER (UG/L) (39030)	VER- NOLATE WATER TOTAL RECOVER (UG/L) (30324)
MAY 15...	<0.010	<0.200	<0.100	<0.100	<0.100	<0.010	<0.100	<0.100	<0.200	<0.100	<0.100
AUG 08...	--	--	--	--	--	--	--	--	--	--	--

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .002 MM (70337)	SED. SUSP. FALL DIAM. % FINER THAN .004 MM (70338)	SED. SUSP. FALL DIAM. % FINER THAN .008 MM (70339)	SED. SUSP. FALL DIAM. % FINER THAN .016 MM (70340)	SED. SUSP. FALL DIAM. % FINER THAN .031 MM (70341)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)
MAR 07...	0945	10	13	18	30	55	91	96	99	100

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK) (00002)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM (80164)	BED MAT. SIEVE DIAM. % FINER THAN .125 MM (80165)	BED MAT. SIEVE DIAM. % FINER THAN .250 MM (80166)	BED MAT. SIEVE DIAM. % FINER THAN .500 MM (80167)	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM (80168)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)
SEP 18...	1147	25.0	<1	1	12	39	48	53	63
18...	1149	50.0	1	2	12	42	55	58	62
18...	1151	75.0	<1	2	12	47	65	69	74

07287404 HARLAND CREEK NEAR HOWARD, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
OCTOBER			NOVEMBER			DECEMBER			
1	12	73	2.4	17	78	3.7	19	67	3.5
2	14	81	3.0	17	68	3.1	18	57	2.7
3	12	88	3.0	16	86	3.7	96	604	407
4	11	76	2.2	16	109	4.8	312	602	675
5	10	62	1.7	31	302	23	82	126	30
6	9.8	55	1.5	27	127	9.7	42	83	9.3
7	10	61	1.6	18	74	3.6	30	77	6.2
8	47	369	282	16	74	3.2	25	83	5.7
9	456	1270	2660	17	142	8.0	22	92	5.5
10	37	123	14	108	555	188	110	567	256
11	50	234	113	36	107	11	117	504	194
12	497	1080	1750	23	82	5.1	38	99	11
13	82	256	63	20	78	4.3	26	62	4.3
14	30	224	18	21	76	4.2	23	65	4.0
15	18	210	10	19	73	3.7	76	446	159
16	15	190	7.7	18	71	3.4	336	472	455
17	14	174	6.6	17	74	3.4	158	490	239
18	13	142	5.0	17	75	3.5	59	193	31
19	12	100	3.2	18	72	3.6	37	126	13
20	181	1130	553	19	69	3.6	29	130	10
21	1140	3010	9240	18	66	3.2	25	139	9.4
22	1300	2250	7900	16	63	2.8	25	146	9.9
23	207	393	219	16	61	2.7	24	150	9.8
24	59	175	28	18	55	2.7	22	135	8.1
25	41	122	14	19	50	2.5	19	119	6.2
26	31	104	8.8	20	49	2.6	17	107	4.9
27	24	95	6.3	21	94	7.3	17	104	4.8
28	23	91	5.6	227	1170	1070	18	105	5.1
29	23	88	5.4	42	192	23	149	546	529
30	24	85	5.5	24	90	6.0	204	385	305
31	22	82	4.8				56	86	13
JANUARY			FEBRUARY			MARCH			
1	39	75	7.8	30	81	6.6	109	221	70
2	30	69	5.5	31	77	6.4	40	126	14
3	24	69	4.5	28	73	5.5	29	77	6.0
4	22	70	4.1	27	67	4.9	31	103	11
5	20	67	3.7	28	54	4.1	1910	6110	29000
6	454	2040	5450	24	50	3.2	442	860	1150
7	287	851	985	24	53	3.4	2040	4180	25100
8	72	106	22	23	53	3.2	473	813	1240
9	43	87	10	22	57	3.4	187	247	127
10	33	95	8.3	28	114	19	109	169	50
11	29	103	8.0	121	515	202	85	119	27
12	26	107	7.6	35	200	20	68	93	17
13	26	112	7.7	23	93	5.8	58	75	12
14	29	114	9.0	20	77	4.2	92	129	134
15	29	105	8.1	22	69	4.1	1850	2870	16500
16	25	95	6.5	670	2160	6460	434	892	1120
17	23	89	5.6	313	668	799	163	445	201
18	1110	2220	24700	87	191	46	178	645	368
19	2770	2120	21900	45	137	17	88	201	50
20	346	369	362	31	104	8.7	61	83	14
21	217	237	139	24	101	6.7	49	62	8.2
22	168	180	82	21	94	5.2	43	68	8.0
23	143	140	54	19	83	4.1	39	75	7.9
24	92	119	30	17	79	3.6	35	81	7.6
25	61	95	16	15	79	3.3	34	88	8.0
26	50	82	11	16	80	3.4	32	95	8.3
27	47	77	9.9	21	199	13	71	2060	436
28	48	72	9.3	525	1350	2290	42	167	22
29	40	70	7.5				30	61	5.0
30	35	69	6.5				27	55	4.1
31	32	76	6.4				25	51	3.5

YAZOO RIVER BASIN

07287404 HARLAND CREEK NEAR HOWARD, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
APRIL			MAY			JUNE			
1	25	51	3.5	31	49	4.1	250	1360	959
2	25	52	3.5	26	44	3.1	202	620	429
3	23	52	3.2	23	40	2.5	49	176	24
4	22	50	2.9	28	47	3.6	31	106	9.1
5	21	48	2.7	32	56	4.9	25	68	4.5
6	20	47	2.6	24	55	3.6	21	61	3.4
7	20	47	2.6	21	52	2.9	19	59	3.0
8	20	46	2.5	19	49	2.6	18	58	2.8
9	20	45	2.5	20	49	2.6	17	59	2.8
10	19	45	2.3	17	49	2.3	17	61	2.9
11	277	2210	2340	16	51	2.2	20	64	3.5
12	64	362	88	15	53	2.1	23	65	4.1
13	27	125	9.1	16	49	2.1	18	63	3.0
14	22	95	5.5	16	44	2.0	16	57	2.4
15	21	92	5.1	15	42	1.7	15	52	2.1
16	18	91	4.4	14	45	1.7	16	55	2.3
17	17	87	3.9	13	47	1.7	18	56	2.7
18	16	64	2.8	13	49	1.7	14	35	1.3
19	15	62	2.6	12	50	1.7	14	20	.77
20	869	1900	12900	13	48	1.6	16	65	3.5
21	2560	1650	15600	13	45	1.6	19	51	2.8
22	2530	2520	17200	13	44	1.5	15	39	1.6
23	4130	2480	29600	11	46	1.4	15	35	1.4
24	485	767	1080	11	49	1.5	15	25	1.0
25	227	281	176	15	174	8.1	16	18	.80
26	165	173	78	15	175	7.0	16	19	.81
27	126	125	43	14	141	5.2	13	36	1.3
28	77	107	22	15	161	7.5	15	36	1.5
29	46	82	10	338	1180	1790	27	114	9.3
30	37	62	6.2	124	850	298	16	20	.88
31				261	1520	1380			
JULY			AUGUST			SEPTEMBER			
1	15	18	.73	10	4	.12	8.9	51	1.2
2	17	17	.78	9.4	5	.11	11	51	1.5
3	14	17	.65	9.7	8	.21	9.3	49	1.2
4	14	16	.61	42	347	78	9.3	47	1.2
5	79	489	244	37	436	45	10	44	1.2
6	162	656	479	83	857	234	9.5	45	1.2
7	25	68	4.9	27	81	7.4	9.4	49	1.2
8	18	55	2.7	15	43	1.8	9.5	57	1.5
9	15	51	2.0	14	17	.65	9.7	65	1.7
10	14	47	1.8	15	9	.38	9.1	59	1.5
11	13	44	1.6	14	5	.20	9.1	51	1.3
12	13	38	1.3	12	3	.09	9.4	49	1.2
13	12	20	.65	12	2	.05	9.2	47	1.2
14	12	12	.39	11	1	.03	9.5	46	1.2
15	13	12	.42	11	1	.04	9.6	46	1.2
16	14	12	.46	10	2	.04	18	103	5.8
17	13	11	.39	10	2	.05	16	92	4.2
18	12	7	.23	9.5	2	.06	11	55	1.7
19	12	6	.18	9.1	3	.07	10	54	1.5
20	11	9	.28	8.5	5	.11	9.9	63	1.7
21	11	12	.38	8.5	8	.18	12	108	4.4
22	13	12	.41	8.3	11	.25	86	226	64
23	12	11	.37	8.2	6	.13	23	92	5.8
24	11	10	.31	8.2	4	.10	14	78	2.9
25	10	9	.26	8.3	44	.98	12	66	2.1
26	10	7	.18	8.3	64	1.4	11	59	1.8
27	10	5	.14	8.4	60	1.4	11	54	1.6
28	10	4	.11	9.4	57	1.4	11	57	1.6
29	13	4	.16	9.3	53	1.3	10	62	1.7
30	10	5	.13	8.8	51	1.2	10	55	1.5
31	9.7	5	.13	8.7	51	1.2			

YAZOO RIVER BASIN

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07288280 BIG SUNFLOWER RIVER NEAR MERIGOLD, MS

LOCATION.--Lat 33°49'55", long 90°40'20", in NW1/4 sec.24, T.23 N., R.5 W., Choctaw Meridian, Bolivar County, Hydrologic Unit 03080207, County Code 011, at county road bridge 3.0 mi west of U.S. Highway 61 south of Merigold about 0.1 mi and about 89.6 mi upstream from the mouth.

DRAINAGE AREA.--553 mi².

PERIOD OF RECORD.--Oct. 1992 to current year.

GAGE.--Water stage recorder. Datum of gage is 100.00 ft above sea level.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	17	1090	53	373	3100	108	428	1500	412	263	109
2	36	14	511	47	226	3090	100	337	1250	517	285	109
3	34	14	185	43	158	2780	87	393	905	530	273	104
4	26	15	201	39	136	2290	81	352	617	412	281	100
5	20	48	412	36	111	2700	80	277	414	1240	306	95
6	21	145	465	589	94	3830	80	406	299	3440	303	91
7	22	110	394	2040	79	4790	71	377	241	3980	283	84
8	26	58	248	2080	59	5810	66	244	184	3930	265	74
9	34	41	152	1700	47	5720	65	175	157	3650	250	56
10	53	212	926	1120	45	5390	97	164	171	3250	243	48
11	39	316	2270	545	47	4960	424	151	264	2750	267	43
12	47	199	2440	240	45	4450	763	131	817	2190	265	38
13	137	129	2310	157	45	3890	638	103	946	1620	252	34
14	97	82	2020	150	50	3300	445	85	661	1180	246	33
15	59	55	1570	448	52	3110	280	75	384	781	235	32
16	39	38	1210	566	667	3220	199	137	245	481	216	34
17	29	33	1110	468	1480	2950	143	90	190	392	199	37
18	25	36	1020	1380	1390	2540	116	83	174	430	190	45
19	47	30	800	3750	1010	2050	92	92	176	427	195	53
20	92	22	524	4400	579	1480	92	101	167	421	170	45
21	65	19	317	4480	245	886	667	104	221	440	153	42
22	283	17	217	4350	133	468	1390	100	403	542	150	42
23	544	16	177	4150	111	290	2750	79	507	505	142	38
24	305	18	183	3860	110	240	3650	59	421	419	133	31
25	128	23	169	3460	94	222	3610	50	311	364	136	24
26	71	28	139	2980	79	190	3290	53	311	337	134	20
27	53	403	108	2450	808	458	2820	821	332	367	133	25
28	43	1790	79	2030	2470	380	2240	859	329	377	120	31
29	35	1930	64	1560	---	199	1570	587	294	335	102	31
30	27	1630	60	1080	---	140	888	566	277	303	90	36
31	20	---	57	666	---	118	---	811	---	274	98	---
TOTAL	2495	7488	21428	50917	10743	75041	26902	8290	13168	36296	6378	1584
MEAN	80.5	250	691	1642	384	2421	897	267	439	1171	206	52.8
MAX	544	1930	2440	4480	2470	5810	3650	859	1500	3980	306	109
MIN	20	14	57	36	45	118	65	50	157	274	90	20
CFSM	.15	.47	1.30	3.08	.72	4.54	1.68	.50	.82	2.20	.39	.10
IN.	.17	.52	1.50	3.55	.75	5.24	1.88	.58	.92	2.53	.45	.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1995, BY WATER YEAR (WY)

	MEAN	64.9	387	1018	1480	1540	1534	873	553	646	1271	469	125
MAX	80.5	737	1488	1705	3968	2421	1445	1112	1005	2201	803	204	
(WY)	1995	1994	1994	1994	1994	1995	1993	1993	1994	1994	1993	1994	
MIN	52.1	174	691	1093	269	220	277	267	439	441	206	52.8	
(WY)	1993	1993	1995	1993	1993	1993	1994	1995	1995	1993	1995	1995	

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1993 - 1995

ANNUAL TOTAL	389992	260730	
ANNUAL MEAN	1068	714	828
HIGHEST ANNUAL MEAN			1175
LOWEST ANNUAL MEAN			595
HIGHEST DAILY MEAN	6780	Jan 29	6780
LOWEST DAILY MEAN	14	Nov 2	9.1
ANNUAL SEVEN-DAY MINIMUM	20	Oct 29	17
INSTANTANEOUS PEAK FLOW			5850
INSTANTANEOUS PEAK STAGE			27.51
INSTANTANEOUS LOW FLOW			12
ANNUAL RUNOFF (CFSM)	2.00	1.34	6.8
ANNUAL RUNOFF (INCHES)	27.22	18.20	1.55
10 PERCENT EXCEEDS	3140	2500	21.10
50 PERCENT EXCEEDS	367	222	2660
90 PERCENT EXCEEDS	42	36	274
			45

07288955 YAZOO RIVER BELOW STEELE BAYOU NEAR LONG LAKE, MS
(National stream-quality accounting network station)

LOCATION.--Lat 32°26'40", long 90°54'00", in SW 1/4 SE 1/4 SE 1/4 sec. 16, T.17 N., R.3 E., Washington Meridian, Issaquena County, Hydrologic Unit 08030208, on right bank at downstream abandoned Eagle Lake Ferries site, 1.5 mi downstream from Steele Bayou, 3.0 mi northwest of Long Lake, and at mile 8.2.

DRAINAGE AREA.--13,355 mi², approximately, U.S. Army Corps of Engineers.

PERIOD OF RECORD.--October 1994 to September 1995.

REMARKS.--Site affected by backwater from the Mississippi River. Little Sunflower River Drainage Structure WY95 closure dates: Dec. 6-11, 20-Jan. 21, Feb. 1-21, Mar. 26-Apr. 25, May 5-June 29 (furnished by U.S. Army Corps of Engineers). Steele Bayou Drainage Structure WY95 closure dates: May 17-June 28 (furnished by U.S. Army Corps of Engineers). In water years 1961-62 and 1972-93, data were collected 8.5 mi upstream (station 07288800).

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.7 UM-MF (100 ML) (31625)	STREP-TOCOCICI, FECAL, KF AGAR (COLS. PER 100 ML) (31673)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
DEC 30...	1200	23700	100	6.8	9.5	56	8.9	77	210	260	9.9	3.4
JAN 31...	1330	26800	73	6.7	9.0	120	9.5	82	170	K54	6.5	2.3
MAR 22...	1230	46000	67	6.7	17.5	170	6.9	73	K54	180	6.1	2.0
MAY 24...	1225	-736	160	6.9	25.5	37	5.2	64	K72	K63	15	5.1
AUG 07...	1400	13200	213	7.2	31.0	47	5.3	72	K27	K51	23	7.8
DATE		SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS TOT IT FIELD (MG/L AS HCO3) (00453)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L AS) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L AS) (70301)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
DEC 30...		5.4	3.3	45	37	8.1	5.4	<0.10	7.7	86	67	0.010
JAN 31...		4.4	2.7	23	19	6.3	4.5	<0.10	14	63	56	0.010
MAR 22...		3.3	2.5	25	21	4.0	3.2	<0.10	7.4	50	42	--
MAY 24...		7.9	2.9	--	--	8.8	6.0	<0.10	7.9	99	92	<0.010
AUG 07...		11	3.1	95	78	11	6.6	0.10	11	140	123	0.020
DATE		NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (MG/L AS AL) (01106)	BARIIUM, DIS-SOLVED (UG/L AS BA) (01005)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	IRON, DIS-SOLVED (UG/L AS FE) (01046)
DEC 30...		0.260	0.260	0.050	1.2	0.150	0.050	0.040	--	--	--	--
JAN 31...		0.250	0.250	0.100	1.5	0.220	0.030	0.030	940	35	<3	1400
MAR 22...		--	--	--	--	--	--	--	1000	33	<3	530
MAY 24...		0.650	0.650	0.040	0.40	0.130	0.030	0.040	--	--	--	--
AUG 07...		0.330	0.330	0.030	1.8	0.250	0.070	0.060	130	77	<3	230
DATE		LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE, DIAM. % FINER THAN .0625 MM (70331)
DEC 30...		--	--	--	--	--	--	--	--	497	31800	98
JAN 31...		23	16	<10	3	<1	<1.0	43	<6	842	60900	100
MAR 22...		16	14	<10	2	<1	<1.0	34	<6	595	73900	100
MAY 24...		--	--	--	--	--	--	--	--	3400	--	100
AUG 07...		17	32	<10	1	<1	<1.0	120	<6	427	15200	100

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS

LOCATION.--Lat 32°18'45", long 90°54'25", in sec.32, T.16 N., R.3 E., Washington Meridian, Warren County, Hydrologic Unit 08060100, on left bank at downstream side of Interstate 20 bridge, and at mile 435.3.

DRAINAGE AREA.--1,140,500 mi², approximately. The 4,000 mi², approximately, in the Great Divide basin in Southern Wyoming is not included.

PERIOD OF RECORD.--Discharge: January 1928 to current year. Prior to July 1931, monthly discharge only, published in WSP 1311.

Gage heights: April 1930 to current year in reports of Geological Survey. Since December 1871, referred to canal gages (above 30.0 ft or 9.14 m only, since December 1949), September 1934 to December 1964, referred to bridge gage, in reports of Mississippi River Commission. January 1937 to December 1967, referred to bridge gage, January 1968 to December 1976, referred to gage 1.1 mi upstream and January 1977 to September 1986 referred to gage at mile 435.3 (corrected), in reports of U. S. Army Corps of Engineers. Since May 1873, in reports of National Weather Service.

Extremes of stage, intermittently 1828 to 1871, and since 1871, extremes of discharge for various years 1858 to 1926 and since 1926, annual mean discharges since 1871, and records of daily discharge 1928 to 1964 are available in reports of Mississippi River Commission. Since January 1947 daily discharge in reports of U. S. Army Corps of Engineers. Prior to October 1968, published as Mississippi River near Vicksburg.

REVISED RECORDS.--WRD Miss. 1975: Drainage area.

GAGE.--Water-stage recorder operated by the U. S. Army Corps of Engineers.

Datum of gage is 46.22 ft above sea level (U. S. Army Corps of Engineers bench mark) or 46.16 ft above mean gulf level. The U.S. Geological Survey operated a water-stage recorder over the cavity in the fourth pier from left bank at combined highway and railway bridge of Vicksburg Bridge Commission of Warren County, at southern city limits of Vicksburg, 1.5 mi downstream from Yazoo diversion canal, and at mile 435.7 (corrected), operated until January, 1977. Gages used by Mississippi River Commission: Dec. 10, 1871 to Sept. 30, 1929, nonrecording gage at mouth of Yazoo diversion canal, 1.5 mi upstream from bridge gage, since Sept. 30, 1929, nonrecording gage at mouth of Yazoo diversion canal, 1.5 mi upstream from bridge gage, since October 1929, nonrecording gage on Yazoo diversion canal, 1,600 ft upstream from mouth. Gages used by National Weather Service, May 18, 1873 to Oct. 29, 1919, nonrecording gage 0.5 mi upstream from bridge gage, Oct. 30, 1919 to Nov. 30, 1922, nonrecording gage at mouth of Yazoo Canal, Dec. 1, 1922 to Aug. 31, 1934, nonrecording gage on Yazoo diversion canal, Sept. 1, 1934 to Dec. 31, 1962, nonrecording gage at bridge, Jan. 1, 1963 to Dec. 31, 1967, water-stage recorder on left bank near downstream side of bridge, Jan. 1, 1968 to Dec. 31, 1976, on left bank at site 1.1 mi upstream, and since Jan. 1, 1977, on left bank at downstream side of Interstate 20 bridge. All gages at same datum, but readings differ due to slope of water surface between them.

REMARKS.--Natural flow of stream affected by many reservoirs and navigation dams. U. S. Army Corps of Engineers telemeter at station.

COOPERATION.--Records furnished by U. S. Army Corps of Engineers.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1871, 58.4 ft U. S. Army Corps of Engineers gage on Yazoo diversion canal, approximately 56.0 ft, May 4, 1927 (U. S. Geological Survey gage).

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	205000	178000	769000	488000	728000	1360000	966000	566000	681000	952000	384000	360000
2	202000	181000	769000	632000	679000	1380000	987000	538000	668000	962000	374000	383000
3	212000	181000	760000	738000	642000	1400000	1000000	517000	659000	965000	367000	391000
4	223000	179000	748000	795000	617000	1410000	1010000	508000	656000	965000	364000	394000
5	227000	176000	716000	807000	612000	1420000	1020000	505000	654000	958000	360000	396000
6	230000	173000	680000	803000	620000	1420000	1020000	518000	665000	939000	357000	398000
7	232000	168000	644000	759000	637000	1430000	1040000	582000	676000	923000	351000	399000
8	229000	167000	605000	729000	659000	1420000	1070000	601000	696000	908000	338000	402000
9	220000	167000	570000	713000	682000	1390000	1070000	628000	710000	892000	333000	410000
10	210000	169000	540000	705000	707000	1370000	1080000	655000	692000	850000	330000	414000
11	190000	171000	509000	702000	733000	1340000	1110000	682000	675000	813000	328000	416000
12	184000	175000	472000	705000	752000	1310000	1130000	693000	664000	783000	322000	415000
13	181000	184000	434000	715000	763000	1280000	1150000	694000	662000	741000	315000	411000
14	178000	202000	398000	743000	764000	1270000	1160000	698000	667000	707000	308000	407000
15	181000	220000	375000	777000	769000	1260000	1170000	711000	671000	676000	300000	405000
16	178000	237000	353000	814000	779000	1250000	1180000	719000	686000	653000	286000	417000
17	172000	251000	341000	856000	806000	1240000	1180000	725000	725000	632000	281000	452000
18	166000	256000	330000	896000	876000	1230000	1170000	730000	769000	608000	264000	491000
19	161000	261000	317000	929000	944000	1220000	1150000	737000	795000	591000	252000	511000
20	163000	264000	302000	969000	1050000	1210000	1140000	752000	817000	588000	245000	532000
21	163000	281000	284000	1010000	1110000	1180000	1120000	768000	839000	572000	242000	549000
22	167000	319000	270000	1040000	1160000	1160000	1100000	783000	855000	538000	242000	560000
23	168000	384000	256000	1040000	1210000	1140000	1070000	785000	866000	504000	246000	564000
24	169000	423000	248000	1030000	1230000	1110000	998000	786000	886000	480000	250000	569000
25	172000	469000	243000	1020000	1260000	1050000	902000	779000	903000	463000	258000	564000
26	174000	528000	243000	1000000	1280000	1010000	815000	773000	914000	446000	273000	555000
27	172000	596000	248000	970000	1300000	982000	721000	761000	924000	429000	284000	539000
28	171000	665000	261000	941000	1330000	963000	681000	753000	931000	415000	293000	520000
29	173000	716000	284000	913000	---	948000	663000	742000	938000	410000	308000	498000
30	178000	754000	333000	869000	---	945000	605000	725000	943000	404000	322000	499000
31	179000	---	421000	800000	---	945000	---	696000	---	395000	338000	---
TOTAL	5830000	9095000	13723000	25908000	24699000	38043000	30478000	21110000	22887000	21162000	9515000	13821000
MEAN	188100	303200	442700	835700	882100	1227000	1016000	681000	762900	682600	306900	460700
MAX	232000	754000	769000	1040000	1330000	1430000	1180000	786000	943000	965000	384000	569000
MIN	161000	167000	243000	488000	612000	945000	605000	505000	654000	395000	242000	360000
CFSM	.16	.27	.39	.73	.77	1.08	.89	.60	.67	.60	.27	.40
IN.	.19	.30	.45	.85	.81	1.24	.99	.69	.75	.69	.31	.45

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
DAILY OBSERVATION AT 08:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	1.2	25.9	17.7	27.7	39.2	34.2	22.5	26.7	34.1	15.5	11.9
2	2.5	1.4	25.9	20.8	25.9	39.6	34.6	21.0	26.1	34.3	14.9	12.7
3	2.9	1.4	25.6	23.6	24.5	40.0	35.0	19.8	25.7	34.5	14.4	13.4
4	3.5	1.3	25.2	24.8	22.6	40.3	35.3	18.9	25.5	34.5	14.1	14.0
5	3.7	1.1	24.2	25.7	21.7	40.5	35.5	18.9	25.5	34.2	14.0	14.3
6	3.9	.8	23.0	26.0	22.0	40.7	35.7	20.2	25.9	33.7	13.9	14.4
7	4.0	.3	21.8	25.8	22.5	40.8	35.9	21.1	26.3	33.3	13.8	14.3
8	3.8	.2	20.5	25.5	23.0	41.0	36.1	22.0	26.7	32.9	13.5	14.2
9	3.3	.2	19.3	24.8	23.4	41.0	36.5	22.9	26.9	32.7	12.8	14.4
10	2.8	.4	18.2	24.2	24.1	40.9	37.0	23.8	26.8	32.3	12.0	14.7
11	2.0	.6	17.1	23.8	24.9	40.7	37.3	24.8	26.4	31.8	11.8	15.0
12	1.6	1.0	15.7	23.9	25.5	40.5	37.7	25.4	25.8	31.1	11.5	14.9
13	1.4	1.6	14.3	24.3	25.6	40.3	38.0	25.6	25.4	30.3	11.2	14.8
14	1.2	2.5	12.9	25.2	25.4	40.2	38.2	25.9	25.0	29.4	10.9	14.5
15	1.4	3.3	11.9	26.3	25.2	40.1	38.5	25.9	25.4	28.5	10.7	14.1
16	1.2	4.3	10.9	27.3	25.5	40.0	38.6	26.2	26.2	27.6	10.3	14.1
17	.7	5.2	10.3	28.4	26.7	39.9	38.7	26.5	27.2	26.5	9.2	15.0
18	.1	5.6	9.7	29.5	28.5	39.8	38.8	26.7	28.2	25.7	8.7	16.3
19	-2.2	5.9	9.0	30.4	30.6	39.6	38.7	27.3	29.2	24.8	7.9	17.9
20	-1.1	6.1	8.2	31.3	32.4	39.4	38.5	28.0	29.8	24.0	7.4	19.1
21	-1.1	7.0	7.2	31.9	33.9	39.4	38.2	28.4	30.5	23.4	7.2	19.9
22	.2	9.1	6.4	32.7	35.2	39.1	37.8	28.8	31.1	22.9	7.1	20.4
23	.3	12.3	5.6	33.2	36.1	38.7	37.3	29.2	31.7	22.1	7.1	20.6
24	.4	13.9	5.0	33.4	36.8	38.1	36.2	29.4	32.3	20.9	7.6	20.8
25	.7	15.6	4.7	33.5	37.3	37.3	34.8	29.4	32.8	19.6	8.0	20.9
26	.9	17.8	4.7	33.5	37.8	36.3	32.9	29.3	33.1	18.5	8.3	20.8
27	.7	20.2	5.0	33.2	38.2	35.5	30.7	29.0	33.2	17.5	8.6	20.1
28	.6	22.5	5.9	32.8	38.7	34.7	28.4	28.6	33.4	16.8	9.0	19.5
29	.8	24.2	7.2	32.1	---	34.1	25.9	28.1	33.7	16.5	9.6	18.8
30	1.2	25.4	9.9	31.1	---	33.8	24.9	27.6	33.9	16.4	10.4	18.2
31	1.3	---	13.8	29.5	---	33.9	---	27.2	---	16.2	11.2	---
TOTAL	49.3	212.4	425.0	866.2	801.7	1205.4	1065.9	788.4	856.4	827.0	332.6	494.0
MEAN	1.59	7.08	13.71	27.94	28.63	38.88	35.53	25.43	28.55	26.68	10.73	16.47
MAX	4.00	25.40	25.90	33.50	38.70	41.00	38.80	29.40	33.90	34.50	15.50	20.90
MIN	-2.20	.20	4.70	17.70	21.70	33.80	24.90	18.90	25.00	16.20	7.10	11.90

WTR YR 1989 TOTAL 7924.3 MEAN 21.71 MAX 41.00 MIN -2.20

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	511000	499000	493000	220000	776000	1370000	1150000	865000	1310000	787000	553000	445000
2	515000	378000	452000	226000	805000	1380000	1130000	871000	1330000	773000	550000	447000
3	512000	369000	414000	236000	833000	1370000	1100000	882000	1340000	760000	541000	447000
4	503000	367000	375000	242000	871000	1360000	1070000	885000	1350000	745000	522000	446000
5	494000	366000	374000	250000	917000	1340000	1020000	878000	1350000	730000	496000	445000
6	486000	364000	385000	260000	946000	1310000	987000	878000	1350000	715000	474000	449000
7	477000	348000	392000	285000	973000	1280000	959000	885000	1330000	698000	461000	448000
8	476000	342000	392000	330000	999000	1250000	930000	900000	1320000	684000	454000	442000
9	481000	340000	385000	395000	1030000	1220000	902000	918000	1310000	672000	450000	429000
10	488000	340000	374000	566000	1060000	1190000	873000	946000	1300000	657000	446000	417000
11	493000	337000	360000	607000	1090000	1150000	849000	972000	1290000	638000	439000	414000
12	495000	333000	349000	624000	1120000	1120000	811000	1000000	1280000	617000	432000	412000
13	497000	332000	331000	632000	1150000	1090000	785000	1050000	1270000	598000	427000	409000
14	490000	332000	325000	638000	1150000	1050000	775000	1080000	1250000	590000	428000	404000
15	476000	333000	323000	639000	1160000	1020000	772000	1100000	1220000	586000	429000	398000
16	459000	336000	321000	642000	1170000	1000000	771000	1100000	1200000	581000	431000	389000
17	437000	343000	320000	638000	1180000	1000000	770000	1080000	1170000	574000	433000	380000
18	412000	356000	317000	632000	1200000	1000000	769000	1060000	1140000	567000	434000	371000
19	390000	381000	315000	608000	1220000	1000000	771000	1040000	1110000	561000	427000	364000
20	367000	388000	313000	588000	1240000	1020000	779000	1030000	1070000	556000	414000	357000
21	347000	399000	312000	583000	1260000	1040000	799000	1020000	1040000	555000	402000	349000
22	335000	421000	311000	583000	1270000	1050000	828000	1040000	1020000	561000	392000	341000
23	329000	467000	308000	590000	1280000	1060000	847000	1060000	971000	572000	383000	332000
24	331000	492000	301000	598000	1290000	1100000	851000	1100000	925000	580000	376000	325000
25	337000	507000	294000	613000	1310000	1140000	854000	1130000	896000	584000	375000	324000
26	358000	533000	272000	645000	1320000	1170000	857000	1170000	872000	584000	377000	324000
27	405000	539000	260000	666000	1340000	1180000	864000	1210000	845000	583000	380000	327000
28	445000	539000	249000	688000	1360000	1190000	864000	1230000	825000	578000	398000	328000
29	482000	524000	241000	707000	---	1180000	864000	1250000	808000	562000	415000	325000
30	517000	507000	239000	726000	---	1170000	862000	1260000	798000	552000	431000	314000
31	517000	---	238000	743000	---	1160000	---	1300000	---	552000	441000	---
TOTAL	3862000	12112000	10335000	16400000	31320000	35960000	26463000	32190000	34290000	19352000	13611000	11602000
MEAN	447200	403700	333400	529000	1119000	1160000	882100	1030800	1143000	624300	439100	386700
MAX	517000	539000	493000	743000	1360000	1380000	1155000	1300000	1350000	787000	553000	449000
MIN	329000	332000	238000	220000	776000	1000000	769000	865000	798000	552000	375000	314000
CFSM	.39	.35	.29	.46	.98	1.02	.77	.91	1.00	.55	.38	.34
IN.	.45	.40	.34	.53	1.02	1.17	.86	1.05	1.12	.63	.44	.33

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.1	18.0	17.6	4.5	27.9	40.6	37.9	31.3	41.9	31.0	21.2	15.9
2	18.3	17.1	16.6	4.8	28.0	40.8	37.5	31.6	42.1	30.5	21.0	16.1
3	18.7	16.3	15.7	5.3	28.0	40.9	37.2	31.9	42.2	30.1	20.5	16.1
4	18.8	15.3	14.9	5.6	29.0	40.9	36.8	32.0	42.4	29.6	19.8	15.9
5	18.4	15.3	14.2	6.0	30.4	40.9	36.3	31.8	42.5	29.2	18.9	15.8
6	17.9	12.7	13.7	7.0	31.6	40.7	35.6	31.8	42.6	28.7	18.2	15.6
7	17.3	11.6	13.2	8.5	32.3	40.4	35.1	32.0	42.7	28.1	17.7	15.4
8	17.1	11.3	12.9	10.8	33.0	39.9	34.3	32.6	42.8	27.4	17.3	15.3
9	17.3	11.3	12.5	13.5	33.7	39.4	33.5	33.2	42.8	26.8	16.9	15.0
10	17.7	10.9	12.1	16.4	34.5	39.0	32.8	33.9	42.8	26.0	16.6	14.6
11	17.8	10.9	11.6	18.5	35.3	38.5	32.0	34.5	42.7	25.2	16.4	14.2
12	17.9	11.5	11.0	20.0	36.0	38.1	31.2	35.2	42.7	24.5	16.3	14.0
13	17.9	11.9	10.3	21.4	36.6	37.5	30.5	36.6	42.5	23.9	16.2	14.0
14	17.8	10.6	9.8	22.0	37.0	36.9	29.7	37.3	42.3	23.4	16.3	13.9
15	17.4	10.3	9.3	22.0	37.3	36.5	29.3	37.8	40.9	23.0	16.3	13.8
16	16.7	10.4	9.0	21.8	37.8	36.1	28.9	37.7	41.6	22.4	16.4	13.7
17	15.8	10.7	8.7	21.0	38.1	35.8	28.8	37.4	41.2	22.0	16.0	13.5
18	14.7	11.3	8.8	20.3	38.4	35.7	28.7	37.1	40.7	21.4	15.6	13.0
19	13.8	11.7	8.8	20.0	38.8	35.8	28.6	36.4	40.1	21.1	15.3	12.4
20	12.9	11.9	8.5	20.5	39.1	35.9	28.5	36.0	39.4	21.1	14.8	12.0
21	11.9	12.0	8.3	20.7	39.3	36.2	29.0	35.8	38.6	21.3	14.2	11.7
22	11.1	12.3	7.8	20.8	39.6	36.5	29.7	36.2	37.7	21.5	13.7	11.4
23	10.7	13.5	7.4	21.0	39.8	36.9	30.4	37.0	36.7	21.8	13.6	11.4
24	10.8	14.9	6.9	21.3	39.9	37.2	30.9	37.7	35.8	22.1	13.3	11.3
25	11.1	16.3	6.3	21.8	40.0	37.6	31.3	38.5	35.0	22.3	13.1	11.4
26	12.1	17.5	5.6	22.7	40.1	37.9	31.4	39.3	34.1	22.4	13.2	11.4
27	13.5	18.3	5.0	23.7	40.3	38.2	31.4	39.9	33.4	22.4	13.3	11.0
28	15.4	18.7	4.6	25.0	40.4	38.3	31.3	40.4	32.7	22.1	13.7	11.0
29	16.9	18.7	4.3	26.0	---	38.4	31.1	40.8	32.0	21.9	14.2	10.7
30	17.9	18.4	4.1	26.7	---	38.4	31.1	41.1	31.5	21.6	14.9	11.0
31	18.3	---	4.2	27.5	---	38.2	---	41.4	---	21.4	15.5	---
TOTAL	492.0	411.6	303.7	547.1	1002.2	1184.1	960.8	1116.2	1186.4	756.2	500.4	402.5
MEAN	15.87	13.72	9.80	17.65	35.79	38.20	32.03	36.01	39.55	24.39	16.14	13.42
MAX	18.80	18.70	17.60	27.50	40.40	40.90	37.90	41.40	42.80	31.00	21.20	

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	311000	446000	323000	1250000	1200000	1120000	1040000	1210000	840000	551000	303000	264000
2	309000	452000	341000	1300000	1120000	1130000	1060000	1220000	865000	538000	303000	263000
3	309000	456000	356000	1330000	1040000	1140000	1080000	1230000	883000	528000	301000	260000
4	308000	456000	368000	1360000	950000	1150000	1090000	1230000	894000	516000	300000	256000
5	306000	446000	387000	1390000	881000	1170000	1100000	1210000	899000	505000	297000	249000
6	303000	429000	403000	1420000	827000	1210000	1110000	1160000	901000	487000	292000	242000
7	296000	405000	415000	1450000	806000	1220000	1120000	1140000	898000	464000	288000	239000
8	287000	383000	439000	1470000	810000	1220000	1140000	1130000	893000	448000	282000	238000
9	284000	362000	463000	1500000	803000	1190000	1150000	1120000	873000	437000	277000	239000
10	297000	348000	486000	1540000	787000	1160000	1160000	1110000	808000	429000	274000	240000
11	313000	336000	526000	1580000	774000	1130000	1170000	1100000	777000	421000	272000	243000
12	336000	328000	554000	1580000	776000	1100000	1170000	1070000	756000	412000	271000	250000
13	353000	323000	576000	1600000	796000	1060000	1180000	1050000	737000	406000	270000	250000
14	367000	319000	591000	1620000	820000	1020000	1180000	1040000	722000	401000	269000	247000
15	373000	317000	574000	1630000	849000	990000	1170000	1020000	697000	402000	269000	234000
16	381000	316000	562000	1640000	873000	983000	1170000	1010000	670000	412000	268000	220000
17	384000	321000	550000	1650000	899000	979000	1160000	996000	642000	422000	269000	220000
18	389000	333000	536000	1670000	925000	978000	1140000	997000	622000	436000	271000	228000
19	394000	347000	526000	1680000	950000	972000	1130000	1010000	604000	442000	274000	241000
20	403000	359000	520000	1690000	964000	952000	1130000	1020000	589000	441000	276000	245000
21	411000	365000	521000	1690000	977000	903000	1130000	1010000	576000	435000	277000	245000
22	420000	368000	570000	1660000	993000	877000	1150000	995000	572000	428000	276000	241000
23	427000	368000	633000	1650000	1040000	871000	1150000	962000	571000	416000	274000	238000
24	438000	362000	726000	1600000	1060000	872000	1160000	921000	570000	401000	275000	239000
25	445000	347000	809000	1560000	1070000	884000	1160000	908000	572000	386000	278000	234000
26	449000	335000	882000	1520000	1080000	896000	1160000	900000	574000	372000	279000	237000
27	443000	326000	954000	1450000	1090000	904000	1160000	894000	580000	357000	278000	245000
28	437000	319000	1010000	1400000	1100000	911000	1170000	892000	583000	344000	272000	246000
29	431000	313000	1080000	1380000	---	929000	1170000	877000	581000	325000	268000	240000
30	431000	314000	1150000	1310000	---	965000	1180000	856000	564000	315000	265000	237000
31	437000	---	1220000	1260000	---	1010000	---	839000	---	309000	264000	---
TOTAL	11472000	10899000	19051000	46830000	26260000	31896000	34240000	32127000	21313000	13186000	8632000	7274000
MEAN	370100	363300	614500	1511000	937900	1029000	1141000	1036000	710400	425400	278500	242500
MAX	449000	456000	1220000	1690000	1200000	1220000	1180000	1230000	901000	551000	303000	264000
MIN	284000	313000	323000	1250000	774000	871000	1040000	839000	564000	309000	264000	220000
CFSM	.32	.32	.54	1.32	.82	.90	1.00	.91	.62	.37	.24	.21
IN.	.37	.36	.62	1.53	.86	1.04	1.12	1.05	.70	.43	.28	.24

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY OBSERVATION AT 08:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.3	15.0	10.2	36.8	39.8	37.3	34.9	42.1	32.7	20.9	10.3	7.6
2	10.0	15.0	10.6	37.6	38.6	37.8	35.3	42.1	33.0	20.3	9.9	7.6
3	9.6	15.7	11.1	38.3	37.2	38.3	35.6	41.9	33.6	19.7	9.9	7.3
4	9.5	15.9	11.4	38.8	35.6	38.8	35.9	41.8	34.2	19.3	9.8	7.0
5	9.6	15.7	11.8	39.3	33.9	39.2	36.3	41.5	34.5	19.0	9.8	6.6
6	9.5	15.1	13.0	39.8	32.4	39.4	36.7	41.4	34.5	18.1	9.6	6.3
7	9.3	14.4	14.0	40.3	31.0	39.5	37.1	41.0	34.2	17.4	9.3	6.3
8	9.0	13.3	14.5	40.8	30.0	39.5	37.6	40.9	33.7	17.0	9.0	6.4
9	8.6	12.1	15.2	41.2	29.4	39.4	38.0	40.5	33.0	16.5	8.6	6.3
10	8.5	11.3	16.2	41.6	28.9	39.0	38.2	40.2	32.2	16.0	8.4	6.2
11	9.4	10.6	17.5	42.2	28.6	38.5	38.4	39.7	31.4	15.6	8.1	6.3
12	10.9	10.3	18.9	42.6	28.5	37.8	38.6	39.3	30.6	15.2	8.0	6.5
13	11.7	10.1	19.7	42.9	28.7	37.2	38.9	38.9	29.6	14.8	7.8	6.6
14	12.1	9.7	20.3	43.2	29.1	36.5	39.1	38.6	28.5	14.4	7.5	6.1
15	12.1	9.6	20.4	43.5	29.7	35.8	39.2	38.4	27.4	14.3	7.6	5.6
16	12.5	9.6	20.0	43.8	30.2	35.1	39.2	38.4	26.3	14.7	7.8	5.1
17	12.8	9.8	19.2	43.9	30.7	34.5	39.2	38.2	25.3	15.2	8.0	4.9
18	13.3	10.0	18.0	44.0	31.0	34.0	39.3	38.0	24.4	15.8	8.2	5.1
19	13.5	10.2	17.2	44.2	31.8	33.3	39.2	37.9	23.6	16.2	8.1	5.5
20	13.8	11.1	16.9	44.4	32.8	32.6	39.1	37.6	23.0	16.1	8.1	5.6
21	14.0	11.3	17.8	44.4	33.6	32.1	39.1	37.4	22.6	15.9	8.0	5.6
22	14.5	11.5	19.5	44.3	34.1	31.7	39.2	37.1	22.2	15.6	7.8	5.6
23	15.1	11.5	21.6	44.2	34.6	31.5	39.6	36.7	21.9	15.1	7.7	5.7
24	15.5	11.8	25.0	44.0	35.0	31.4	39.9	36.1	21.8	14.4	7.6	5.8
25	15.7	10.9	27.6	43.8	33.5	31.4	40.0	35.6	21.9	13.8	7.6	6.1
26	15.7	9.8	30.0	43.6	36.0	31.7	40.2	35.0	22.0	13.4	7.7	6.0
27	15.7	9.5	31.6	43.2	36.4	31.8	40.3	34.5	22.1	12.7	7.7	5.9
28	15.7	9.1	33.0	42.8	36.9	32.1	40.6	34.0	22.0	12.0	7.7	6.1
29	15.7	9.0	34.1	42.2	---	32.9	41.6	33.7	21.7	11.4	7.5	6.1
30	15.0	9.5	35.0	41.6	---	33.7	41.8	33.2	21.4	10.9	7.3	6.0
31	15.0	---	35.8	40.7	---	34.4	---	32.8	---	10.6	7.3	---
TOTAL	383.6	348.4	627.1	1304.0	918.0	1098.2	1158.1	1184.5	825.3	482.3	257.7	183.8
MEAN	12.37	11.61	20.23	42.06	32.79	35.43	38.60	38.21	27.51	15.56	8.31	6.13
MAX	15.70	15.90	35.80	44.40	39.80	39.50	41.80	42.10	34.50	20.90	10.30	7.60
MIN	8.50	9.00	10.20	36.80	28.50	31.40	34.90	32.80	21.40	10.60	7.30	4.90

CAL YR 1990 TOTAL 9015.0 MEAN 24.70 MAX 42.80 MIN 4.50
WTR YR 1991 TOTAL 8771.0 MEAN 24.03 MAX 44.40 MIN 4.90

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	237000	297000	533000	758000	459000	610000	931000	782000	389000	468000	636000	344000
2	238000	326000	561000	753000	480000	615000	910000	811000	387000	452000	647000	340000
3	239000	353000	583000	749000	486000	624000	873000	820000	381000	445000	658000	338000
4	240000	368000	604000	746000	487000	657000	835000	824000	379000	436000	689000	346000
5	240000	381000	631000	744000	486000	670000	806000	815000	379000	430000	715000	357000
6	239000	381000	660000	746000	484000	676000	772000	801000	391000	423000	734000	372000
7	236000	371000	724000	747000	480000	677000	749000	754000	420000	415000	750000	388000
8	230000	360000	791000	747000	469000	678000	729000	713000	467000	410000	759000	393000
9	226000	361000	871000	747000	443000	680000	716000	679000	477000	403000	766000	389000
10	222000	365000	959000	745000	419000	681000	703000	643000	484000	395000	773000	380000
11	224000	368000	999000	750000	390000	681000	688000	603000	492000	396000	770000	350000
12	229000	372000	1020000	758000	373000	683000	668000	581000	502000	408000	752000	341000
13	239000	374000	1040000	758000	368000	687000	641000	562000	522000	438000	725000	338000
14	246000	374000	1060000	754000	367000	693000	615000	547000	545000	430000	693000	341000
15	250000	374000	1080000	740000	368000	703000	590000	535000	556000	434000	666000	344000
16	247000	373000	1090000	734000	380000	712000	564000	526000	560000	434000	636000	346000
17	242000	366000	1100000	715000	394000	742000	539000	520000	561000	434000	607000	350000
18	234000	361000	1100000	701000	402000	793000	516000	514000	558000	437000	589000	357000
19	225000	360000	1090000	673000	402000	831000	495000	505000	554000	452000	570000	360000
20	218000	382000	1050000	646000	399000	856000	479000	498000	541000	477000	546000	380000
21	209000	414000	1010000	618000	405000	873000	474000	486000	513000	496000	534000	392000
22	204000	451000	984000	605000	413000	884000	484000	472000	486000	517000	508000	393000
23	199000	462000	960000	596000	438000	893000	500000	458000	478000	541000	488000	389000
24	196000	472000	941000	582000	480000	901000	516000	445000	480000	569000	470000	385000
25	194000	477000	922000	565000	504000	908000	557000	436000	484000	590000	448000	384000
26	196000	479000	905000	536000	542000	915000	595000	422000	487000	604000	430000	389000
27	201000	481000	887000	519000	576000	922000	647000	413000	493000	610000	420000	412000
28	212000	484000	853000	483000	597000	937000	692000	400000	498000	614000	410000	432000
29	231000	488000	815000	460000	605000	957000	727000	394000	499000	619000	389000	457000
30	254000	502000	788000	456000	---	956000	756000	391000	493000	623000	370000	471000
31	272000	---	764000	452000	---	949000	---	391000	---	625000	352000	---
TOTAL	7069000	11977000	27375000	20583000	13096000	24044000	19767000	17741000	14456000	15015000	18500000	11259000
MEAN	228000	399200	883100	664000	451600	775600	658900	572300	481900	484400	596800	375300
MAX	272000	502000	1100000	758000	605000	957000	931000	824000	561000	625000	773000	471000
MIN	194000	297000	533000	452000	367000	610000	474000	391000	379000	395000	352000	338000
CFSM	.20	.35	.77	.58	.40	.68	.58	.50	.42	.42	.52	.33
IN.	.23	.39	.89	.67	.43	.78	.64	.58	.47	.49	.60	.33

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY OBSERVATION AT 08:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.8	7.9	17.4	27.7	14.9	20.8	31.9	27.4	12.9	17.2	22.8	10.9
2	5.8	10.2	18.4	27.2	15.1	20.9	31.2	27.9	13.1	16.5	23.3	10.5
3	5.9	11.6	19.8	26.7	15.9	21.9	30.3	28.3	12.9	16.0	23.8	10.3
4	5.9	12.1	20.6	26.3	16.4	21.4	29.2	28.4	12.6	15.6	24.5	10.2
5	5.6	12.7	21.3	25.9	16.4	21.9	28.2	28.3	12.7	15.2	25.4	10.8
6	5.5	12.9	22.5	25.6	16.3	22.8	27.6	27.7	13.4	14.7	26.4	11.7
7	5.4	12.3	24.1	25.4	15.9	23.5	27.0	26.8	14.6	14.1	27.0	12.3
8	5.1	11.8	26.3	25.3	15.2	23.9	27.0	25.9	15.9	13.4	27.4	12.7
9	4.7	11.6	28.3	25.3	14.1	24.0	26.6	24.9	16.9	13.0	27.7	12.6
10	4.5	11.6	30.0	25.4	13.3	24.0	26.1	23.6	17.2	13.3	27.7	11.9
11	4.4	11.8	31.3	25.8	12.5	23.9	24.5	22.4	17.7	13.9	27.7	11.2
12	4.5	11.9	32.6	26.1	11.6	24.1	24.0	21.4	18.1	14.6	27.3	10.3
13	4.9	11.9	33.6	26.3	11.2	24.2	22.9	20.5	18.3	15.0	26.8	9.9
14	5.4	11.7	34.5	26.3	11.1	24.3	22.2	20.0	18.6	15.2	26.1	10.0
15	5.6	11.6	35.2	25.9	11.3	24.5	21.1	19.6	19.2	14.9	25.3	10.4
16	5.6	11.3	35.5	25.3	11.8	25.3	20.1	19.4	19.7	14.7	24.5	10.7
17	5.4	11.0	35.6	24.7	12.4	26.4	19.3	19.1	19.8	14.9	23.7	10.8
18	5.2	10.5	35.5	24.0	12.5	27.5	18.4	19.0	19.8	15.6	22.7	11.2
19	4.8	10.4	35.1	23.4	12.3	28.6	17.5	19.0	19.9	16.4	21.7	11.9
20	4.6	11.4	34.6	22.8	12.3	29.5	17.1	18.6	20.0	16.9	20.8	12.3
21	4.1	12.6	34.3	21.8	12.6	30.1	16.7	18.0	19.7	17.4	19.8	12.6
22	3.5	14.2	34.1	21.4	13.3	30.6	16.8	17.1	18.9	18.0	19.0	12.8
23	3.0	15.8	33.9	21.1	14.3	30.9	17.1	16.2	17.7	19.1	17.9	12.5
24	2.7	16.5	33.6	20.6	15.5	30.9	17.9	15.6	16.9	20.4	16.9	12.5
25	2.4	16.0	33.3	20.1	16.7	31.0	19.2	15.2	16.6	21.6	16.2	12.7
26	2.1	15.6	32.8	19.3	17.9	31.2	20.9	14.9	17.2	22.3	15.5	13.0
27	2.1	15.7	32.1	18.2	18.8	31.4	22.6	14.5	17.8	22.5	15.5	13.6
28	2.7	16.0	31.1	17.2	19.7	31.6	24.2	14.1	18.1	22.4	14.8	14.3
29	3.9	16.4	30.0	16.1	20.4	31.9	25.4	13.8	18.1	22.3	13.9	15.0
30	5.0	16.8	29.1	15.3	---	32.1	26.5	13.3	17.9	22.3	12.6	15.7
31	6.0	---	28.3	15.0	---	32.2	---	12.9	---	22.5	11.4	---
TOTAL	142.1	383.8	924.8	717.5	421.7	826.6	699.5	633.8	512.2	531.9	676.1	357.3
MEAN	4.58	12.79	29.83	23.15	14.54	26.66	23.32	20.45	17.07	17.16	21.81	11.91
MAX	6.00	16.80	35.60	27.70	20.40	32.20	31.90	28.40	20.00	22.50	27.70	15.70

CAL YR 1991	TOTAL 8862.6	MEAN 24.28	MAX 44.40	MIN 2.10
WTR YR 1992	TOTAL 6827.3	MEAN 18.65	MAX 35.60	MIN 2.10

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	493000	308000	969000	1070000	1060000	853000	1110000	1280000	1030000	723000	1010000	862000
2	498000	305000	993000	1060000	1060000	872000	1130000	1270000	991000	723000	1010000	835000
3	502000	301000	998000	995000	1050000	898000	1150000	1260000	945000	724000	1010000	796000
4	504000	296000	1000000	976000	1040000	922000	1160000	1260000	897000	725000	1020000	757000
5	498000	289000	997000	970000	1040000	962000	1170000	1270000	874000	729000	1040000	733000
6	478000	286000	1000000	967000	1020000	961000	1190000	1290000	834000	732000	1070000	698000
7	454000	284000	999000	966000	992000	941000	1210000	1310000	808000	735000	1090000	685000
8	424000	284000	993000	969000	929000	941000	1220000	1300000	780000	741000	1090000	677000
9	393000	299000	971000	981000	881000	959000	1240000	1280000	752000	749000	1100000	672000
10	371000	319000	928000	1030000	829000	980000	1260000	1270000	742000	762000	1100000	667000
11	351000	338000	834000	1070000	779000	1000000	1270000	1280000	737000	783000	1100000	665000
12	332000	356000	771000	1100000	741000	1020000	1290000	1300000	751000	803000	1090000	664000
13	313000	375000	741000	1110000	701000	1040000	1290000	1320000	781000	825000	1080000	662000
14	298000	398000	723000	1130000	682000	1060000	1290000	1330000	805000	843000	1070000	663000
15	290000	419000	714000	1130000	673000	1090000	1280000	1330000	822000	860000	1060000	664000
16	278000	462000	711000	1140000	665000	1120000	1290000	1330000	834000	873000	1050000	670000
17	276000	492000	708000	1140000	663000	1160000	1290000	1310000	845000	884000	1040000	670000
18	273000	520000	711000	1140000	663000	1170000	1300000	1300000	852000	894000	1040000	671000
19	276000	544000	724000	1130000	665000	1190000	1310000	1290000	856000	903000	1040000	671000
20	281000	576000	741000	1130000	671000	1190000	1320000	1290000	860000	914000	1030000	669000
21	287000	604000	759000	1110000	689000	1200000	1330000	1280000	862000	920000	1030000	671000
22	293000	625000	808000	1100000	714000	1200000	1330000	1270000	857000	928000	1020000	676000
23	300000	643000	856000	1100000	736000	1200000	1330000	1250000	850000	936000	1010000	685000
24	309000	665000	904000	1100000	757000	1190000	1330000	1230000	838000	953000	1000000	695000
25	318000	688000	949000	1110000	775000	1170000	1330000	1210000	808000	968000	997000	706000
26	327000	704000	987000	1100000	794000	1120000	1310000	1190000	780000	981000	988000	718000
27	330000	721000	1010000	1100000	817000	1090000	1300000	1160000	755000	993000	967000	731000
28	328000	757000	1040000	1090000	837000	1070000	1300000	1130000	738000	1010000	949000	753000
29	323000	809000	1060000	1080000	---	1070000	1290000	1100000	731000	1030000	930000	776000
30	320000	899000	1070000	1080000	---	1080000	1280000	1080000	727000	1030000	912000	805000
31	314000	---	1080000	1070000	---	1090000	---	1050000	---	1030000	887000	---
TOTAL	11032000	14566000	27749000	33245000	22923000	32809000	37900000	38820000	24742000	26704000	31830000	21264000
MEAN	355900	485500	895100	1072000	818700	1058000	1263000	1252000	824700	861400	1027000	708800
MAX	504000	899000	1080000	1140000	1060000	1200000	1330000	1330000	1030000	1030000	1100000	862000
MIN	273000	284000	708000	966000	663000	853000	1110000	1050000	727000	723000	887000	662000
CFSM	.31	.43	.78	.94	.72	.93	1.11	1.10	.72	.76	.90	.62
IN.	.36	.48	.91	1.08	.75	1.07	1.24	1.27	.81	.87	1.04	.69

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY OBSERVATION AT 08:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.1	8.1	30.0	34.2	35.3	28.8	36.9	42.6	38.5	28.5	37.7	33.4
2	17.0	8.0	30.9	34.0	35.1	29.7	37.2	42.5	37.5	28.7	37.8	32.4
3	17.7	7.6	31.5	33.6	35.0	30.7	37.5	42.4	36.5	28.8	37.9	31.4
4	17.8	7.7	31.9	33.2	34.9	31.4	37.8	42.4	35.4	28.9	38.0	30.3
5	17.5	8.0	32.0	32.9	34.6	32.0	38.3	42.4	34.3	29.0	38.1	29.3
6	16.8	7.4	32.0	32.5	34.2	32.2	38.6	42.3	33.1	29.1	38.3	28.4
7	15.6	6.9	31.9	32.3	33.7	32.2	38.9	42.3	32.0	29.0	38.6	27.5
8	14.4	7.1	31.5	32.7	32.8	32.0	39.4	42.4	31.1	29.0	38.8	26.8
9	13.5	7.5	30.9	33.2	31.9	31.9	40.0	42.4	30.3	29.0	38.9	26.3
10	12.4	7.8	30.3	33.8	30.7	31.9	40.5	42.5	29.8	29.3	39.0	26.0
11	11.0	8.1	29.1	34.3	29.7	32.3	40.9	42.6	29.5	29.9	39.0	25.8
12	9.9	9.1	27.9	34.8	28.1	33.0	41.3	42.7	29.5	30.8	39.0	25.9
13	8.7	10.7	27.0	35.4	26.7	33.8	41.5	42.9	29.7	31.4	39.0	26.0
14	7.9	12.2	25.6	35.8	25.5	34.5	41.7	43.1	30.0	32.1	38.9	26.0
15	7.3	13.7	24.8	36.0	24.5	35.1	42.0	43.3	30.6	32.7	38.8	26.0
16	6.9	14.9	24.3	36.2	24.4	35.5	42.1	43.4	31.2	33.2	38.8	26.0
17	6.6	16.0	24.0	36.2	24.3	36.1	42.1	43.5	31.7	33.7	38.6	25.9
18	6.3	17.0	24.1	36.2	24.1	36.5	42.3	43.6	32.0	34.0	38.5	25.8
19	5.9	18.1	24.8	36.2	24.1	36.9	42.5	43.5	32.2	34.4	38.3	25.9
20	5.8	19.2	25.8	36.1	24.6	37.2	42.7	43.4	32.3	34.6	38.1	26.0
21	5.9	20.5	26.7	36.0	25.2	37.5	42.8	43.2	32.6	34.9	37.9	26.0
22	5.9	21.5	27.5	36.0	25.6	37.7	42.9	42.9	32.8	35.1	37.8	25.9
23	5.9	22.2	28.6	35.8	25.6	37.9	42.9	42.6	32.9	35.4	37.6	26.0
24	7.8	22.4	29.7	35.9	25.6	37.8	42.9	42.2	32.4	35.6	37.4	26.5
25	8.2	22.9	30.8	35.8	25.9	37.7	42.9	42.0	31.7	35.9	37.2	26.8
26	8.6	23.6	31.9	35.9	26.3	37.4	42.9	41.7	31.1	36.2	36.9	27.2
27	8.9	24.6	32.8	35.9	26.9	37.2	42.9	41.3	30.3	36.5	36.6	27.6
28	9.1	25.9	33.5	35.8	27.8	36.8	42.8	41.0	29.4	36.8	36.2	27.9
29	9.0	27.5	34.0	35.7	---	36.6	42.7	40.5	28.8	37.1	35.6	28.4
30	8.8	28.9	34.3	35.6	---	36.5	42.6	40.0	28.5	37.4	35.0	29.1
31	8.6	---	34.4	35.4	---	36.6	---	39.4	---	37.5	34.3	---
TOTAL	321.8	455.1	914.5	1083.4	803.1	1073.4	1232.5	1313.0	957.7	1014.5	1172.6	822.5
MEAN	10.38	15.17	29.50	34.95	28.68	34.63	41.08	42.35	31.92	32.73	37.83	27.42
MAX	17.80	28.90	34.40	36.20	35.30	37.90	42.90	43.60	38.50	37.50	39.00	33.40
MIN	5.80	6.90	24.00	32.30	24.10	28.80	36.90	39.40	28.50	28.50	34.30	25.80
CAL YR 1992	TOTAL 7068.0	MEAN 19.31	MAX 34.40	MIN 5.80								
WTR YR 1993	TOTAL 11164.1	MEAN 30.59	MAX 43.60	MIN 5.80								

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY OBSERVATION AT 08:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29.9	21.3	34.1	23.0	29.4	39.5	40.5	45.7	26.0	18.2	18.1	15.6
2	30.6	21.0	33.3	22.3	30.7	39.8	40.3	45.8	24.5	18.6	17.6	15.1
3	31.4	20.3	32.5	21.4	31.9	40.2	40.0	46.0	23.0	19.3	17.1	14.4
4	32.1	19.5	32.1	20.2	33.0	40.4	39.8	45.9	21.9	20.1	16.8	13.8
5	32.9	19.0	31.9	19.4	34.1	40.6	39.8	45.9	21.0	20.6	16.8	13.0
6	33.6	18.3	32.0	18.5	34.9	40.8	40.2	45.9	20.4	21.0	16.7	12.2
7	34.1	17.8	32.3	18.3	35.5	41.0	40.4	45.8	20.1	21.3	16.7	11.8
8	34.4	17.4	32.8	18.3	36.0	41.1	40.5	45.7	19.8	21.4	16.6	11.7
9	34.7	17.1	33.0	18.3	36.2	41.3	40.7	45.5	19.6	21.2	16.2	11.8
10	34.6	17.0	33.2	18.4	36.5	41.4	40.8	45.3	19.4	21.2	15.6	11.5
11	34.6	16.8	33.5	18.5	37.2	41.5	40.9	45.2	19.2	21.0	15.2	11.3
12	34.2	16.5	33.7	18.6	37.4	41.6	41.0	44.9	19.2	20.3	14.9	11.2
13	33.7	16.3	34.0	19.3	37.6	41.8	41.2	44.5	19.6	19.6	14.6	10.8
14	33.0	16.2	34.5	20.6	37.6	42.0	41.4	44.3	20.0	19.1	14.0	10.4
15	32.0	16.7	34.8	21.7	37.5	42.1	41.5	43.9	20.4	18.8	13.9	10.1
16	30.6	17.4	34.9	22.8	37.3	42.1	41.8	43.5	20.6	18.9	13.7	9.9
17	29.1	18.3	35.1	24.2	37.0	42.2	42.0	43.3	20.2	18.9	13.3	9.5
18	27.3	19.3	35.2	25.1	36.8	42.2	42.3	42.8	19.8	19.1	12.6	9.3
19	25.8	20.8	35.1	26.7	36.7	42.2	42.6	42.5	19.3	19.7	11.7	8.9
20	24.4	23.8	34.9	27.3	36.7	42.3	42.9	42.2	19.0	20.1	11.1	8.6
21	23.6	26.9	34.6	27.6	36.7	42.3	43.2	41.8	18.7	19.8	10.9	8.5
22	22.9	29.3	33.9	27.1	36.9	42.3	43.6	41.4	18.6	19.1	11.3	8.4
23	22.5	30.9	33.1	26.1	37.3	42.3	44.0	41.0	18.6	18.7	11.6	8.3
24	22.2	32.1	32.0	25.1	37.6	42.2	44.3	40.1	18.6	18.6	11.9	8.2
25	21.9	33.1	30.8	24.2	38.1	42.2	44.7	39.2	18.7	18.8	12.7	7.8
26	21.8	33.8	29.0	23.2	38.5	42.2	45.0	37.9	18.6	19.0	13.2	7.5
27	22.1	34.2	27.2	22.5	38.9	42.0	45.3	36.3	18.4	18.9	13.9	7.5
28	22.3	34.6	26.0	23.8	39.3	41.9	45.5	34.4	18.1	18.5	14.8	7.6
29	22.0	34.7	25.4	25.2	---	41.7	45.7	32.3	17.8	18.5	15.4	7.7
30	22.0	34.6	24.9	26.7	---	41.4	45.7	30.1	18.0	18.5	15.8	7.7
31	21.6	---	24.4	28.2	---	40.9	---	28.1	---	18.4	15.9	---
TOTAL	877.9	695.0	994.2	702.6	1013.3	1287.5	1267.6	1297.2	597.1	605.2	450.6	310.1
MEAN	28.32	23.17	32.07	22.66	36.19	41.53	42.25	41.85	19.90	19.52	14.54	10.34
MAX	34.70	34.70	35.20	28.20	39.30	42.30	45.70	46.00	26.00	21.40	18.10	15.60
MIN	21.60	16.20	24.40	18.30	29.40	39.50	39.80	28.10	17.80	18.20	10.90	7.50
CAL YR 1993	TOTAL 12039.8		MEAN 32.99	MAX 43.60		MIN 16.20						
WTR YR 1994	TOTAL 10098.3		MEAN 27.67	MAX 46.00		MIN 7.50						

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	267000	278000	514000	458000	796000	652000	602000	790000	1100000	909000	478000	403000
2	269000	283000	518000	448000	775000	652000	575000	790000	1120000	875000	476000	391000
3	272000	291000	523000	436000	760000	640000	550000	790000	1140000	850000	476000	380000
4	276000	298000	528000	426000	738000	615000	526000	790000	1170000	825000	474000	368000
5	280000	301000	534000	420000	716000	592000	507000	792000	1200000	808000	472000	356000
6	285000	304000	540000	409000	694000	578000	490000	792000	1200000	810000	469000	348000
7	289000	308000	550000	398000	672000	570000	478000	795000	1210000	810000	470000	340000
8	293000	378000	574000	391000	630000	566000	467000	798000	1220000	812000	472000	330000
9	298000	441000	597000	388000	630000	570000	458000	805000	1270000	810000	476000	320000
10	304000	448000	609000	385000	612000	592000	451000	815000	1270000	805000	481000	307000
11	308000	456000	622000	379000	598000	618000	444000	825000	1270000	798000	493000	291000
12	312000	463000	634000	376000	585000	640000	440000	835000	1280000	788000	516000	279000
13	316000	471000	676000	374000	575000	670000	450000	845000	1280000	775000	550000	274000
14	312000	478000	718000	382000	564000	708000	458000	850000	1280000	760000	607000	274000
15	303000	485000	758000	397000	521000	752000	467000	852000	1280000	748000	633000	276000
16	294000	493000	770000	427000	504000	790000	472000	855000	1280000	735000	635000	278000
17	265000	509000	772000	467000	486000	818000	470000	860000	1260000	722000	632000	280000
18	259000	528000	774000	498000	476000	835000	469000	865000	1210000	708000	619000	283000
19	259000	528000	776000	518000	469000	850000	478000	875000	1200000	692000	605000	289000
20	267000	521000	754000	537000	462000	858000	498000	886000	1200000	665000	580000	296000
21	277000	512000	732000	580000	464000	865000	541000	900000	1180000	630000	552000	295000
22	287000	493000	719000	755000	486000	868000	580000	919000	1160000	595000	534000	294000
23	292000	480000	707000	840000	521000	865000	638000	938000	1140000	566000	512000	292000
24	296000	476000	648000	841000	557000	855000	675000	953000	1110000	544000	493000	291000
25	299000	471000	621000	842000	582000	840000	705000	970000	1090000	528000	481000	288000
26	302000	471000	596000	844000	608000	820000	724000	986000	1070000	521000	474000	284000
27	292000	473000	572000	845000	622000	788000	740000	1000000	1040000	511000	470000	283000
28	286000	483000	547000	842000	640000	752000	750000	1020000	1010000	498000	454000	284000
29	280000	493000	523000	838000	---	716000	770000	1040000	978000	492000	434000	285000
30	278000	504000	500000	834000	---	678000	782000	1060000	948000	488000	416000	287000
31	278000	---	475000	824000	---	640000	---	1080000	---	483000	410000	---
TOTAL	8895000	13118000	19381000	17399000	16743000	22253000	16660000	27371000	35166000	21561000	15844000	9246000
MEAN	286900	437300	625200	561300	598000	717800	555300	882900	1172000	695500	511100	308200
MAX	316000	528000	776000	845000	796000	868000	782000	1080000	1280000	909000	635000	403000
MIN	259000	278000	475000	374000	462000	566000	440000	790000	948000	483000	410000	274000
CFSM	.25	.38	.55	.49	.52	.63	.49	.77	1.03	.61	.45	.27
IN.	.29	.43	.63	.57	.55	.73	.54	.89	1.15	.70	.52	.30

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 1995, BY WATER YEAR (WY)

MEAN	313100	364000	524000	646200	755600	903800	987400	860500	672000	508800	363400	295700
MAX	900700	825000	1179000	1511000	1944000	1494000	1847000	1851000	1383000	1010000	1027000	708800
(WY)	1987	1973	1986	1991	1937	1945	1945	1973	1943	1951	1993	1993
MIN	110000	121800	129500	145800	204200	325300	408800	340700	211200	165600	125400	127200
(WY)	1940	1940	1940	1940	1934	1941	1954	1934	1988	1988	1936	1936

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1932 - 1995

ANNUAL TOTAL	264670000	223637000	600300
ANNUAL MEAN	725100	612700	995100
HIGHEST ANNUAL MEAN			1973
LOWEST ANNUAL MEAN			1954
HIGHEST DAILY MEAN	1560000	Apr 29	1280000
LOWEST DAILY MEAN	242000	Sep 26	259000
ANNUAL SEVEN-DAY MINIMUM	249000	Sep 22	272000
INSTANTANEOUS PEAK FLOW			2080000
INSTANTANEOUS PEAK STAGE			100000
INSTANTANEOUS LOW FLOW			102000
ANNUAL RUNOFF (CFSM)	.64	.54	53.20
ANNUAL RUNOFF (INCHES)	8.63	7.29	99400
10 PERCENT EXCEEDS	1360000	960000	53
50 PERCENT EXCEEDS	527000	557000	7.15
90 PERCENT EXCEEDS	292000	292000	1140000
			501000
			218000

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GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY OBSERVATION AT 08:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.6	8.7	18.7	17.9	32.9	27.1	25.1	32.4	43.3	36.9	19.0	16.3
2	7.8	8.5	19.2	17.2	32.1	27.1	24.0	32.4	43.9	35.8	18.9	15.8
3	8.0	8.3	19.3	16.4	31.2	26.6	22.9	32.4	44.4	34.8	18.9	15.2
4	8.6	8.3	19.4	15.7	30.3	25.6	21.8	32.4	44.9	33.8	18.8	14.7
5	9.5	8.2	20.0	15.3	29.5	24.7	20.7	32.5	45.4	33.1	18.7	14.4
6	9.5	8.6	20.8	14.6	28.7	24.1	19.7	32.5	45.8	33.2	18.5	13.8
7	9.6	10.0	21.4	13.9	27.9	23.8	19.0	32.6	45.9	33.2	18.6	13.4
8	9.6	11.9	21.8	13.4	26.2	23.6	18.4	32.7	46.2	33.3	18.7	12.6
9	10.0	14.0	21.8	13.2	26.2	23.8	17.9	33.0	46.4	33.2	18.9	12.1
10	10.2	15.6	21.6	13.0	25.5	24.7	17.4	33.4	46.6	33.0	19.2	11.5
11	10.7	16.2	21.8	12.6	24.9	25.7	16.9	33.8	46.8	32.7	19.9	10.8
12	10.7	16.4	22.9	12.4	24.4	26.6	16.7	34.2	47.0	32.3	21.2	10.4
13	10.8	16.7	24.6	12.3	24.0	27.8	16.3	34.6	47.0	31.8	22.9	10.1
14	10.4	17.4	25.7	12.8	23.5	29.2	17.9	34.8	46.9	31.2	24.4	10.0
15	10.4	17.9	26.3	13.8	21.5	30.9	18.4	34.9	46.7	30.7	25.4	10.0
16	8.7	18.2	26.8	15.8	20.5	32.4	18.7	35.0	46.6	30.2	25.8	10.1
17	8.4	18.5	27.4	18.4	19.5	33.5	18.6	35.2	46.4	29.7	25.8	10.4
18	8.4	19.2	27.9	20.2	18.9	34.2	18.5	35.4	46.1	29.2	25.6	10.5
19	8.3	19.9	28.3	21.3	18.5	34.8	19.0	35.8	45.8	28.6	25.1	10.7
20	8.0	19.7	28.4	22.3	18.1	35.1	20.2	36.2	45.4	27.6	24.2	10.9
21	8.6	18.8	28.3	24.2	18.2	35.4	22.5	36.6	45.1	26.2	23.0	10.6
22	9.0	17.9	27.6	26.9	19.5	35.5	24.2	37.2	44.7	24.8	22.2	10.3
23	9.8	17.3	26.7	29.2	21.5	35.4	26.5	37.8	44.3	23.6	21.0	10.1
24	10.3	17.1	25.6	30.9	23.2	35.0	28.0	38.3	43.7	22.6	19.9	10.2
25	10.4	17.1	24.7	32.0	24.3	34.4	29.1	38.9	43.1	21.9	19.2	10.2
26	10.3	17.2	23.8	32.8	25.3	33.6	29.8	39.5	42.3	21.5	18.8	9.9
27	10.2	27.2	22.7	33.4	25.9	32.3	30.4	40.1	41.4	20.9	18.6	10.0
28	9.8	17.3	21.6	33.8	26.6	30.9	31.0	40.6	40.3	20.2	18.4	9.8
29	9.5	17.6	20.4	34.0	---	29.5	31.6	41.3	39.2	19.8	17.8	9.5
30	9.0	18.1	19.5	33.9	---	28.1	32.1	41.9	38.1	19.6	17.2	9.2
31	8.8	---	18.6	33.5	---	26.6	---	42.6	---	19.3	16.8	---
TOTAL	290.9	467.8	723.6	657.1	688.8	918.0	674.3	1111.0	1339.7	884.7	641.4	343.5
MEAN	9.38	15.59	23.34	21.20	24.60	29.61	22.48	35.84	44.66	28.54	20.69	11.45
MAX	10.80	27.20	28.40	34.00	32.90	35.50	32.10	42.60	47.00	36.90	25.80	16.30</

07289350 BIG BLACK RIVER AT WEST, MS

LOCATION.--Lat 33°11'39", long 89°46'15", in NW1/4 sec.3, T.15 N., R.5 E., Choctaw Meridian, Attala County.
Hydrologic Unit 08060201, near right bank on downstream side of bridge on State Highway 19, 0.2 mi east of West, 5.2 mi upstream from Jordan Creek, and 7.1 mi downstream from Zilpha Creek.

DRAINAGE AREA.--1,027 mi².

PERIOD OF RECORD.--September 1971 to current year. July 1936 to December 1946 and January 1947 to 1971 (gage heights and occasional discharge measurements) in reports of U. S. Army Corps of Engineers, Vicksburg district.

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

GAGE.--Water-stage recorder. Datum of gage is 249.74 ft above sea level (levels by U. S. Army Corps of Engineers).
Prior to June 10, 1948, nonrecording gage, and June 10, 1948, to Nov. 2, 1967, recorder at site about 2,000 ft downstream at same datum.

REMARKS.--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 ft³/s, at site about 2,000 ft downstream.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 22	0130	15,500	20.34	Mar. 8	1930	16,400	20.49
Feb. 19	2030	11,600	19.58	Apr. 23	2300	*47,500	*24.76

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	101	181	1730	746	1780	1940	870	1600	789	167	98	67
2	96	180	1670	675	1240	2090	630	824	1810	403	83	66
3	92	168	1040	586	890	2500	515	662	2190	466	77	66
4	93	158	1350	515	731	2680	447	598	1890	304	86	65
5	97	162	1480	459	634	2710	410	651	1200	295	411	66
6	104	333	1480	674	567	3280	378	619	555	631	1730	66
7	104	406	1670	1950	505	4420	356	570	328	733	1960	66
8	92	426	1680	1900	460	14100	347	496	237	668	1950	66
9	294	359	1280	1870	428	15600	338	438	196	401	2180	66
10	361	1090	1170	2150	426	15000	325	420	170	247	2210	66
11	352	1380	1950	2210	603	12100	542	383	166	179	1140	67
12	816	1380	1790	1550	797	8220	1220	344	232	142	415	67
13	865	1430	1870	940	927	5000	1090	304	258	121	256	68
14	551	1090	2110	774	877	3280	989	276	255	107	321	68
15	459	662	2100	904	798	2520	658	255	214	98	262	68
16	328	459	2110	1180	1610	3430	454	272	170	88	184	68
17	248	364	2100	1370	3720	3920	377	286	144	106	149	68
18	205	313	1920	1640	6490	3690	354	241	128	110	125	68
19	182	284	1840	4800	10400	7200	294	217	122	144	110	68
20	178	266	1640	11200	10500	6260	663	211	119	138	101	69
21	321	248	1180	13100	7140	4000	3860	192	116	108	98	111
22	875	238	1130	14800	4420	2800	8810	176	117	114	102	544
23	1180	231	1750	11500	2890	1720	31700	163	117	147	99	256
24	1140	221	1620	7970	1430	1120	39400	153	110	141	90	146
25	1110	209	1810	4970	845	840	26300	147	103	107	83	120
26	743	209	2050	3440	686	684	16500	141	165	86	78	104
27	440	267	1970	2320	665	1030	10800	136	298	73	75	88
28	305	1170	1250	1540	1550	1800	6900	134	354	68	72	80
29	246	1470	791	1540	---	1610	4390	146	266	113	69	75
30	210	1510	828	1670	---	1580	3110	444	174	93	67	74
31	191	---	769	1900	---	1300	---	540	---	88	66	---
TOTAL	12379	16864	49128	102843	64009	138424	163027	12039	12993	6686	14747	2937
MEAN	399	562	1585	3318	2286	4465	5434	388	433	216	476	97.9
MAX	1180	1510	2110	14800	10500	15600	39400	1600	2190	733	2210	544
MIN	92	158	769	459	426	684	294	134	103	68	66	65
CFSM	.39	.55	1.54	3.23	2.23	4.35	5.29	.38	.42	.21	.46	.10
IN.	.45	.61	1.78	3.73	2.32	5.01	5.91	.44	.47	.24	.53	.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 1995, BY WATER YEAR (WY)

	MEAN	383	927	2264	3172	2859	3376	3000	1868	809	445	219	248
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	234	185	410	1049	190	89.9	33.6	60.9	46.6	31.1	
(WY)	1988	1982	1982	1986	1986	1985	1986	1988	1988	1988	1987	1987	

SUMMARY STATISTICS FOR 1994 CALENDAR YEAR FOR 1995 WATER YEAR WATER YEARS 1971 - 1995

	ANNUAL TOTAL	506647	596076	1626	1983
ANNUAL MEAN	1388	1633	1626	1983	1986
HIGHEST ANNUAL MEAN			423	1983	1986
LOWEST ANNUAL MEAN			62400	May 21	1983
HIGHEST DAILY MEAN	28800	Feb 12	39400	Apr 24	May 21
LOWEST DAILY MEAN	72	Sep 16	65	Sep 4	Oct 6
ANNUAL SEVEN-DAY MINIMUM	90	Sep 10	66	Sep 2	Oct 8
INSTANTANEOUS PEAK FLOW			47500	Apr 23	May 21
INSTANTANEOUS PEAK STAGE			24.76	Apr 23	May 21
INSTANTANEOUS LOW FLOW			65	Sep 4	Oct 14
ANNUAL RUNOFF (CFSM)	1.35		1.59		1.58
ANNUAL RUNOFF (INCHES)	18.35		21.59		21.51
10 PERCENT EXCEEDS	2330		3340		4080
50 PERCENT EXCEEDS	550		459		396
90 PERCENT EXCEEDS	117		87		66

07290000 BIG BLACK RIVER NEAR BOVINA, MS

LOCATION.--Lat 32°20'51", long 90°41'48", in NW1/4 SE1/4 sec.22, T.16 N., R.5 E., Washington Meridian, Hinds County, Hydrologic Unit 08060202, on left bank at downstream side of bridge on U.S. Highway 80 (old), 300 ft upstream from Clear Creek, 0.4 mi upstream from Illinois Central and Gulf Railroad bridge, 2.3 mi east of Bovina, 10.8 mi upstream from Fourteenmile Creek, and at mile 61.7. Records include flow of Clear Creek.

DRAINAGE AREA.--2,812 mi²(includes that of Clear Creek).

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

REVISED RECORDS.--WRD Miss. 1968: 1966-67. WDR MS-79-1: 1978(M). WDR MS-89-1: Drainage area.

GAGE.--Water-stage recorder and supplemental nonrecording gage read twice daily. Datum of gage is 84.93 ft above sea level (levels by U. S. Army Corps of Engineers). Prior to Oct. 23, 1941, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: May 17-29, Jun. 11-15. Records good except for estimated discharges, which are poor. U.S. Army Corps of Engineers satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--From information by local residents, floods at Askews Bridge, 6 mi upstream, reached elevations above NGVD of 1929 as follows: Dec. 20, 1961, 139.2 ft, in 1912 and in January 1927, 139 ft, Apr. 1, 1951, 138.5 ft. A flood in May 1930, reached about the same elevation as that of Apr. 1, 1951, at Askews Bridge.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
May 18	2000	22,400	34.47	Apr. 28	2300	*41,700	*38.34

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	472	914	2440	1840	7810	3950	2490	35600	4660	564	320	246
2	443	791	2200	1710	4130	3640	2340	30800	4790	567	321	236
3	407	704	1960	1560	2800	3920	2140	25400	3310	597	347	227
4	379	641	2210	1430	2530	3700	1850	21000	2540	568	351	222
5	359	597	3170	1310	2170	5600	1590	17700	2880	900	423	218
6	341	592	3870	1510	1830	7240	1470	15200	2850	1680	374	213
7	335	586	4020	2390	1610	12500	1330	11000	2630	1510	551	208
8	335	598	3420	3380	1440	13600	1200	6090	2220	1920	705	205
9	357	677	2580	3890	1320	13500	1100	4480	1720	1910	798	204
10	365	1280	2300	3650	1250	13300	1030	3540	1310	1480	1630	198
11	669	1730	2450	3070	2460	13600	1780	3300	e1030	1230	1930	194
12	2720	2240	2580	2800	3280	14200	1810	2590	e960	1080	2130	192
13	2250	2240	2770	2810	3030	15000	1840	1980	e860	878	2190	191
14	2120	2080	2830	2800	2520	15600	2200	1700	e760	703	1880	189
15	2170	1900	2720	2430	2000	19100	2130	1470	e680	595	1310	187
16	1870	1830	2780	1950	1830	20200	1840	1290	669	517	891	185
17	1410	1670	4020	1700	2490	20200	1650	e1100	652	458	665	188
18	1140	1380	4980	2400	3910	21800	1440	e960	626	444	567	194
19	1040	1120	5110	8490	5260	21700	1220	e870	595	470	531	186
20	1020	975	4130	7410	5780	20100	2690	e820	559	393	475	218
21	1500	855	3130	7320	5820	18400	15600	e760	527	358	412	292
22	1300	764	2650	7160	5730	16700	15900	e720	497	354	371	693
23	3340	695	2350	7350	5840	15100	22900	e680	476	379	344	491
24	5270	647	2010	7790	6150	12900	25500	e660	459	348	323	395
25	5390	616	1910	8230	6550	9970	32800	e640	446	340	308	1510
26	3880	591	2180	8520	7020	6590	38600	e630	535	325	302	1370
27	2280	573	2190	8710	7040	3720	39500	e620	709	315	301	922
28	1810	731	2230	8910	5670	2750	40500	e610	810	320	286	684
29	1520	783	2390	8790	---	2340	40900	e600	854	617	273	577
30	1220	1750	2390	8820	---	2390	39200	2850	693	473	261	498
31	1020	---	2080	8940	---	2610	---	3360	---	345	251	---
TOTAL	48732	32550	88050	149070	109270	355920	346540	199020	42307	22638	21821	11533
MEAN	1572	1085	2840	4809	3902	11480	11550	6420	1410	730	704	384
MAX	5390	2240	5110	8940	7810	21800	40900	35600	4790	1920	2190	1510
MIN	335	573	1910	1310	1250	2340	1030	600	446	315	251	185
CFSM	.56	.39	1.01	1.71	1.39	4.08	4.11	2.28	.50	.26	.25	.14
IN.	.64	.43	1.16	1.97	1.45	4.71	4.58	2.63	.56	.30	.29	.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936 - 1995, BY WATER YEAR (WY)

	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
MEAN	728	1553	4142	6680	7610	7986	7430	4873	1701	1433	877	553								
MAX	6547	11050	27400	24360	20700	19780	25100	23860	6988	13730	4059	3800								
(WY)	1976	1958	1983	1974	1983	1973	1983	1983	1989	1940	1975	1979								
MIN	78.8	103	213	216	1156	1040	559	398	209	172	121	106								
(WY)	1955	1940	1955	1956	1986	1936	1963	1963	1988	1952	1943	1952								

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1936 - 1995
ANNUAL TOTAL	1587301	1427451	
ANNUAL MEAN	4349	3911	3804
HIGHEST ANNUAL MEAN			10950
LOWEST ANNUAL MEAN			792
HIGHEST DAILY MEAN	31000	40900	90600
LOWEST DAILY MEAN	265	185	67
ANNUAL SEVEN-DAY MINIMUM	320	189	67
INSTANTANEOUS PEAK FLOW		41700	92300
INSTANTANEOUS PEAK STAGE		38.34	40.77
INSTANTANEOUS LOW FLOW		180	65
ANNUAL RUNOFF (CFSM)	1.55	1.39	1.35
ANNUAL RUNOFF (INCHES)	21.00	18.88	18.38
10 PERCENT EXCEEDS	13200	9350	10500
50 PERCENT EXCEEDS	1930	1700	1110
90 PERCENT EXCEEDS	464	338	192

e Estimated

HOMOCHITTO RIVER BASIN

07292500 HOMOCHITTO RIVER AT ROSETTA, MS

LOCATION.--Lat 31°19'30", long 91°06'24", in sec.12, T.4 N., R.1 E., Washington Meridian, Franklin County.
Hydrologic Unit 08060205, near right bank, near downstream side of pier cap, under bridge, on State Highway 33
at Rosetta, 0.8 mi downstream from Foster Creek, and 4.0 mi upstream from Dry Creek.

DRAINAGE AREA, --787 mi²

PERIOD OF RECORD.--October 1951 to current year, June to November 1906 (gage heights and discharge measurements only), February 1949 to September 1951 (gage heights and discharge measurements only) in reports of U. S. Army Corps of Engineers, Vicksburg district.

REVISED RECORDS.--WSP 1731: 1955 (M). WSP 1920: 1955. WDR MS-86-1: 1985 (P). WDR MS-89-1: Drainage area.

GAGE.-Water-stage recorder. Datum of gage is 94.39 ft above sea level. June 16 to Nov. 12, 1906, nonrecording gage at present site, at different datum, December 1976 to April 1978, near right bank on downstream side of Illinois Central and Gulf Railroad bridge, 800 ft upstream and nonrecording gage read twice daily at present site, all at same datum.

REMARKS.--Estimated daily discharges: Feb. 3-14, Mar. 17, May 7,8. Records good except for estimated discharges, which are poor. Telemeter and satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since February 1949, 37.80 ft, Mar. 31, 1949, from reports of U. S. Army Corps of Engineers, Vicksburg district.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 16,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Mar. 7	2200	19,300	13.99	Apr. 11	1145	17,900	13.70
Mar. 15	0900	28,900	15.69	Apr. 23	1015	*57,700	*19.31

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	323	298	284	503	959	1680	1290	529	1370	598	302	195
2	337	276	252	483	862	1290	1060	444	1070	724	302	198
3	483	274	1050	443	e840	1030	961	489	827	460	279	192
4	405	268	6460	436	e800	936	890	634	687	469	335	190
5	362	290	2140	434	e760	1290	871	512	609	505	970	199
6	351	569	952	471	e740	2150	824	506	567	1430	598	204
7	338	441	630	596	e720	6850	848	e410	536	857	313	197
8	418	319	509	518	e690	7750	750	e4400	496	465	267	198
9	866	315	550	491	e660	2510	664	4690	514	376	251	196
10	608	1300	3170	487	e650	1450	651	1320	801	338	241	194
11	496	1190	2890	489	e740	1150	9750	1090	627	312	245	195
12	1240	560	1140	494	e780	986	4660	3620	672	287	250	200
13	1340	430	727	503	e790	894	2100	3080	496	273	473	203
14	623	374	553	575	e700	8780	1390	1300	435	298	497	211
15	472	339	473	548	605	18500	1100	1030	422	433	334	224
16	430	310	1050	511	588	7900	970	1020	402	339	229	235
17	412	290	5460	483	898	e10900	867	889	394	287	202	276
18	416	293	1640	588	1960	5530	758	636	381	273	194	250
19	397	297	948	2350	1170	2840	701	576	378	370	192	233
20	528	303	718	1450	1810	1990	699	550	378	361	206	225
21	2010	312	623	826	1410	1580	5410	519	383	326	323	257
22	1350	293	629	726	1020	1400	2660	501	385	337	564	571
23	910	269	575	2160	841	1210	28700	495	379	284	307	512
24	561	250	526	1940	705	1090	6630	480	372	265	252	324
25	452	240	482	1030	667	952	2890	462	500	252	229	284
26	396	256	453	833	585	870	1710	455	411	245	214	270
27	358	270	434	6340	587	1710	1210	442	365	246	205	261
28	346	1130	424	6830	846	1530	984	446	355	296	199	249
29	337	1190	536	2720	---	2000	809	2430	517	446	197	243
30	327	418	635	1490	---	3820	647	1580	733	538	194	238
31	317	---	517	1110	---	1850	---	2910	---	331	190	---
TOTAL	18209	13364	37430	38858	24383	104418	83454	38445	16432	13021	9554	7424
MEAN	587	445	1207	1253	871	3368	2782	1240	548	420	308	247
MAX	2010	1300	6460	6830	1960	18500	28700	4690	1370	1430	970	571
MIN	317	240	252	434	585	870	647	410	355	245	190	190
CFSM	.75	.57	1.73	1.59	1.11	4.28	3.53	1.58	.70	.53	.39	.31
IN.	.86	.63	1.77	1.84	1.15	4.94	3.94	1.82	.78	.62	.45	.31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 1995, BY WATER YEAR (WY)

MEAN	584	736	1378	1787	2001	1965	1973	1333	732	636	493	463
MAX	3855	3010	5344	6205	5210	6206	8806	7650	3184	3753	1716	1273
(WY)	1965	1958	1962	1990	1979	1961	1974	1953	1975	1989	1992	1957
MIN	141	202	335	255	363	491	313	247	232	223	166	158
(WY)	1953	1964	1954	1957	1954	1954	1963	1963	1988	1954	1954	1956

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1952 - 1995
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ANNUAL TOTAL	585590		404992						
ANNUAL MEAN	1604		1110			1169			
HIGHEST ANNUAL MEAN						2342		1983	
LOWEST ANNUAL MEAN						348		1954	
HIGHEST DAILY MEAN						118000		Apr 13	1974
LOWEST DAILY MEAN	54700	Jan 28	28700	Apr 23		129		Sep 22	1956
ANNUAL SEVEN-DAY MINIMUM	240	Nov 25	190	Aug 31		132		Sep 22	1956
INSTANTANEOUS PEAK FLOW	270	Nov 21	194	Aug 29		150000		Apr 13	1974
INSTANTANEOUS PEAK STAGE			57700	Apr 23				May 4	1953
ANNUAL RUNOFF (CFSM)			19.31	Apr 23		36.03			
ANNUAL RUNOFF (INCHES)	2.04		1.41			1.49			
10 PERCENT EXCEEDS	2840		19.14			20.19			
50 PERCENT EXCEEDS	755		519			482			
90 PERCENT EXCEEDS	354		246			228			

e Estimated

LOCATION.--Lat 31°13'35", long 91°17'45", 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.

REVISED RECORDS.--WSP 1281: 1943, 1946(M). WDR MS-89-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 94.52 ft above sea level. Prior to June 1, 1942, nonrecording gage at same site. Prior to Oct. 1, 1964, at datum 3.00 ft higher.

REMARKS.--Estimated daily discharges: Nov. 1-3, Nov. 5-8, Sept. 26-30. Records fair except for estimated discharges, which are poor and periods of record (Oct. 23-31, Nov. 4, Sept. 25) when stage sensor was searching, which are fair.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 11,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 27	1115	13,000	14.37	Apr. 11	0845	*33,000	*18.98
Mar. 14	0515	13,400	14.46	Apr. 23	0730	29,800	18.43

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	100	e130	93	117	327	532	465	219	290	87	69	72
2	105	e130	90	101	290	234	376	201	232	73	58	70
3	111	e120	1460	98	262	212	330	287	142	53	56	67
4	97	121	1650	96	235	195	313	284	115	57	78	65
5	90	e140	361	93	217	546	320	191	100	86	418	66
6	87	e220	197	107	204	370	303	741	90	361	124	66
7	86	e170	140	156	196	2280	285	249	82	74	73	64
8	93	e140	105	102	187	1170	266	2040	75	53	63	64
9	277	121	158	100	179	550	260	998	69	46	55	64
10	130	404	977	101	183	418	393	297	71	43	54	64
11	119	162	329	103	216	356	12800	218	70	42	60	63
12	208	127	144	100	265	321	1380	502	107	39	66	62
13	134	115	109	107	184	419	877	340	68	39	364	61
14	106	108	92	218	172	7440	657	196	62	301	402	61
15	94	102	81	177	164	1960	536	162	58	488	92	60
16	90	99	576	130	162	2170	462	146	55	100	80	56
17	88	98	521	112	169	1300	408	135	53	77	73	55
18	90	97	161	223	171	739	368	128	52	69	72	65
19	88	94	118	652	236	539	341	137	52	72	67	54
20	276	92	104	186	333	441	336	118	52	92	100	53
21	2230	92	100	154	186	382	866	111	51	64	79	59
22	688	89	103	175	153	343	2260	105	50	57	265	104
23	405	87	99	858	144	307	11500	101	49	54	156	76
24	239	85	97	269	139	280	1180	98	52	52	97	53
25	192	86	95	203	128	249	656	94	48	51	78	50
26	185	99	92	186	125	230	460	89	46	49	78	e46
27	162	104	91	4990	124	1430	367	86	44	49	75	e44
28	155	310	93	1570	719	484	316	88	43	63	74	e42
29	147	137	159	732	---	1960	276	705	48	199	72	e41
30	142	104	121	487	---	1430	243	902	58	86	72	e40
31	137	---	107	383	---	670	---	771	---	64	74	---
TOTAL	7151	3983	8623	13086	6070	29957	39600	10739	2384	3040	3544	1807
MEAN	231	133	278	422	217	966	1320	346	79.5	98.1	114	60.2
MAX	2230	404	1650	4990	719	7440	12800	2040	290	488	418	104
MIN	86	85	81	93	124	195	243	86	43	39	54	40
CFSM	1.28	.74	1.55	2.35	1.20	5.37	7.33	1.92	.44	.54	.64	.33
IN.	1.48	.82	1.78	2.70	1.25	6.19	8.18	2.22	.49	.63	.73	.3

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 1995, BY WATER YEAR (WY)

MEAN	125	184	351	461	519	574	456	288	171	156	97.9	122
MAX	1169	1008	1771	2402	1605	2074	1539	1928	991	1110	429	697
(WY)	1986	1949	1972	1990	1987	1973	1983	1953	1989	1969	1992	1958
MIN	19.5	30.0	45.7	49.2	70.6	84.4	48.8	35.3	39.1	36.9	26.9	22.9
(WY)	1964	1970	1967	1981	1954	1955	1963	1963	1965	1960	1954	1952

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1942 - 1995
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ANNUAL TOTAL	149068		129984			
ANNUAL MEAN	408		356		292	
HIGHEST ANNUAL MEAN					552	1983
LOWEST ANNUAL MEAN					79.9	1954
HIGHEST DAILY MEAN	12800	Jan 27	12800	Apr 11	30700	Mar 25 1973
LOWEST DAILY MEAN	67	Sep 15	39	Jul 12	9.0	Oct 26 1993
ANNUAL SEVEN-DAY MINIMUM	74	Sep 3	45	Sep 24	18	Sep 24 1956
INSTANTANEOUS PEAK FLOW			33000	Apr 11	65000	Mar 25 1973
INSTANTANEOUS PEAK STAGE			18.98	Apr 11	22.30	Mar 25 1973
ANNUAL RUNOFF (CFSM)	2.27		1.98		1.62	
ANNUAL RUNOFF (INCHES)	30.81		26.86		22.03	
10 PERCENT EXCEEDS	759		654		487	
50 PERCENT EXCEEDS	143		121		87	
90 PERCENT EXCEEDS	87		55		36	

e Estimated

07377000 AMITE RIVER NEAR DARLINGTON, LA

LOCATION.--Lat 30°53'20", long 90°50'40", in sec. 72, T. 2 S., R. 4 E., St. Helena Meridian, St. Helena Parish, Hydrologic Unit 08070202, near center of span on downstream side of bridge on State Highway 10, 1.5 mi upstream from Collins Creek, and 4.0 mi west of Darlington.

DRAINAGE AREA.--580 mi².

PERIOD OF RECORD.--March 1949 to September 1950 (annual maximum), October 1950 to current year.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is 145.81 ft above sea level. Jan. 13, 1951, to May 28, 1963, water-stage recorder at former channel 700 ft to the left; and July 30, 1963, to Feb. 12, 1964, nonrecording gage at present site. Prior to Oct. 1, 1963, at datum 2.99 ft higher.

REMARKS.--Estimated daily discharges. Records good. Several measurements of water temperature were made during the year.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 16	2000	8,170	11.70	Feb. 12	0500	15,100	14.25
Jan. 28	2130	*60,800	20.17				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	288	406	418	432	2110	1180	755	993	4090	530	649	465
2	285	337	413	433	1740	2210	734	735	2550	526	639	403
3	282	318	409	432	1560	2650	721	1650	1320	520	533	369
4	281	326	430	432	1470	1730	710	2070	1000	516	542	353
5	283	373	461	427	4410	1340	700	1260	1860	513	545	346
6	282	423	440	410	5080	1210	2220	871	1770	666	504	342
7	278	359	398	401	3030	1130	5920	743	2170	593	501	340
8	277	328	365	572	2130	1080	4050	697	1130	822	e480	344
9	275	341	357	620	1940	1190	1770	804	859	1750	e470	356
10	272	378	369	515	3730	2600	1160	2810	850	1340	e460	375
11	272	366	497	442	12000	2240	979	1970	1350	2840	e450	388
12	274	332	580	423	13400	1460	1240	1030	917	4710	e430	408
13	281	318	605	411	6690	1200	4520	827	805	5670	e425	387
14	388	326	1780	396	2510	1100	2790	746	818	3520	e420	350
15	397	3260	1650	381	1810	1040	1490	715	1220	2420	e410	340
16	323	7660	914	371	1570	1000	4200	682	873	1760	393	396
17	298	5370	609	681	1440	963	4910	718	687	1110	383	1060
18	291	3140	501	2560	1340	919	1980	1170	646	848	376	754
19	286	1590	459	1710	1280	891	1180	893	633	787	371	506
20	282	823	437	830	1230	870	948	691	585	779	375	406
21	288	615	429	614	1180	850	960	638	574	798	383	375
22	290	523	425	533	1150	827	897	618	662	756	379	363
23	290	483	492	497	1440	806	963	602	1330	751	371	353
24	288	455	533	459	3120	796	781	589	1510	669	371	346
25	286	443	499	434	2450	877	726	584	1090	579	382	339
26	285	442	465	420	1580	952	698	577	708	533	365	337
27	284	440	433	5780	1300	852	679	642	646	877	359	336
28	278	437	413	36600	1190	846	655	2370	587	1880	353	335
29	334	431	519	31000	---	876	639	1090	552	1100	351	332
30	562	424	585	10100	---	840	658	1300	538	675	351	330
31	557	---	464	3100	---	795	---	2440	---	564	370	---
TOTAL	9637	31467	17349	102416	83880	37320	50633	33525	34330	41402	13391	12134
MEAN	311	1049	560	3304	2996	1204	1688	1081	1144	1336	432	404
MAX	562	7660	1780	36600	13400	2650	5920	2810	4090	5670	649	1060
MIN	272	318	357	371	1150	795	639	577	538	513	351	330
CFSM	.54	1.81	.96	5.70	5.17	2.08	2.91	1.86	1.97	2.30	.74	.70
IN.	.62	2.02	1.11	6.57	5.38	2.39	3.25	2.15	2.20	2.66	.86	.78

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1994, BY WATER YEAR (WY)

	453	587	1083	1509	1821	1600	1504	1002	638	524	447	487
MEAN	453	587	1083	1509	1821	1600	1504	1002	638	524	447	487
MAX	2964	2528	4106	6976	4793	5194	6032	4275	2915	2006	1491	2081
(WY)	1965	1958	1972	1990	1966	1980	1983	1953	1975	1989	1975	1975
MIN	197	225	263	339	363	413	346	257	264	261	218	220
(WY)	1964	1970	1967	1957	1970	1955	1963	1965	1969	1960	1954	1963

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1951 - 1994

ANNUAL TOTAL	371822	467484	
ANNUAL MEAN	1019	1281	970
HIGHEST ANNUAL MEAN			1924
LOWEST ANNUAL MEAN			380
HIGHEST DAILY MEAN	18500	Jan 21	66400
LOWEST DAILY MEAN	246	Sep 3	188
ANNUAL SEVEN-DAY MINIMUM	276	Oct 7	190
INSTANTANEOUS PEAK FLOW			104000
INSTANTANEOUS PEAK STAGE			22.05
INSTANTANEOUS LOW FLOW			188
INSTANTANEOUS LOW STAGE			Oct 13
ANNUAL RUNOFF (CFSM)	1.76	2.21	1.67
ANNUAL RUNOFF (INCHES)	23.85	29.98	22.73
10 PERCENT EXCEEDS	1820	2430	1700
50 PERCENT EXCEEDS	457	638	430
90 PERCENT EXCEEDS	314	336	256

e Estimated

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

Records collected at flood hydrograph partial-record stations are presented in the following tables. Annual maximum discharges for crest-stage partial-record stations, discharge measurements made at low-flow partial-record sites and at miscellaneous sites and for special studies are given in separate tables.

The data given in the following tables generally comprise a description of the station and a table showing time, gage height, and discharge at selected times for major peaks that occurred during the year.

The description of the station gives the location, drainage area, period of record, type and history of gages, extremes of discharge, and general remarks. The explanation of data presented is identical to that for gaging stations.

Flood hydrograph partial-record stations

MOBILE RIVER BASIN

02431410 MANTACHIE CREEK BELOW DORSEY, MS

LOCATION.--Lat 34°13'40", Long 88°27'08", in NW1/4 sec 10, T.10 S., R.8 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, on county road one mile west of Tombigbee River, 2.5 miles south of U.S. Highway 78, and 4 miles southwest of Dorsey, MS.

DRAINAGE AREA.--66.94 mi².

PERIOD OF RECORD.--Nov. 22, 1988 to present.

GAGE.--Water-stage recorder. Datum of gage is 245.82 ft above sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--Records fair. Occasional backwater from Tombigbee River.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,500 ft³/s, May 27, 1991, gage-height, 17.96 ft; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,480 ft³/s, Mar. 7, 1995, gage-height, 16.67 ft.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1995 WATER YEAR

DATE	TIME	GAGE HEIGHT	DISCHARGE	DATE	TIME	GAGE HEIGHT	DISCHARGE	DATE	TIME	GAGE HEIGHT	DISCHARGE
02-16	0030	3.41	141	03-05	0100	4.31	252	04-20	1900	5.98	551
02-16	0415	10.86	2380	03-05	1100	12.35	3500	04-20	2300	12.47	3600
02-16	0530	13.77	4830	03-05	1145	12.53	3650	04-21	0100	13.23	4290
02-16	0600	14.24	5340	03-05	1215	12.55	3670	04-21	0145	13.28	4340
02-16	0630	14.60	5750	03-05	1245	12.55	3670	04-21	0200	13.28	4340
02-16	0700	14.83	6020	03-05	1400	12.26	3420	04-21	0300	13.06	4130
02-16	0730	14.92	6120	03-05	1800	10.79	2330	04-21	0900	10.13	1920
02-16	0800	14.79	5970	03-05	2200	9.75	1740	04-21	1500	8.01	1100
02-16	0830	14.70	5860	03-06	0600	7.72	988	04-21	2100	6.77	755
02-16	0900	14.43	5550	03-06	1200	7.12	812	04-22	0200	6.27	632
02-16	1200	12.11	3300	03-06	2300	8.03	1090	04-22	0700	6.01	573
02-16	1500	10.58	2200	03-06	2400	10.64	2230	04-22	1000	5.97	564
02-16	1800	9.64	1690	03-07	0200	14.02	5100				
02-16	2200	8.70	1320	03-07	0300	14.26	5360				
02-17	0400	7.52	959	03-07	0400	14.05	5130				
02-17	0600	7.22	876	03-07	1000	10.66	2250				
				03-07	1800	16.41	8100				
				03-07	2030	16.64	8430				
				03-07	2130	16.67	8480				
				03-07	2230	16.63	8420				
				03-07	2400	16.46	8170				
				03-08	0200	16.03	7560				
				03-08	0600	14.02	5100				

Flood hydrograph partial-record stations

MOBILE RIVER BASIN

02432920 BULL MOUNTAIN CREEK NEAR TILDEN, MS

LOCATION.--Lat 34°10'48", long 88°18'41", in SW1/4 sec.25, T.10 S., R.9 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, on downstream side of main channel bridge at left abutment, 2 mi east of Tilden, 3 mi downstream from Gum Creek, 14 mi upstream from mouth.

DRAINAGE AREA.--274 mi².

PERIOD OF RECORD.--October 1992 to current year (High water records only).

GAGE.--Water-stage recorder. Elevation of gage is 277 ft above sea level, from topographic map.

REMARKS.--Records fair. Telemeter and satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,100 ft³/s Feb. 17, gage height, 19.71 ft.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1995 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
02-16	0400	16.71	1,530	03-07	1600	18.17	3,330	04-21	0700	17.69	2,570
02-16	0600	17.42	2,340	03-07	2000	18.29	3,560	04-21	1000	17.90	2,870
02-16	0900	17.88	3,070	03-07	2400	18.53	4,040	04-21	1300	17.98	2,990
02-16	1200	18.34	4,060	03-08	0200	18.63	4,260	04-21	1600	17.94	2,940
02-16	1500	18.71	5,230	03-08	0400	18.65	4,300	04-21	1900	18.06	3,130
02-16	1800	18.79	5,650	03-08	0600	18.79	4,660	04-21	2200	18.40	3,780
02-16	2100	19.01	6,620	03-08	0800	19.09	5,620	04-21	2400	18.59	4,170
02-16	2400	19.47	8,760	03-08	1000	19.41	6,770	04-22	0100	18.73	4,480
02-17	0200	19.56	9,340	03-08	1200	19.62	7,640	04-22	0200	18.85	4,860
02-17	0400	19.58	9,530	03-08	1330	19.68	7,900	04-22	0300	18.96	5,180
02-17	0600	19.63	9,710	03-08	1345	19.68	7,900	04-22	0400	19.01	5,360
02-17	0800	19.69	10,000	03-08	1400	19.68	7,900	04-22	0415	19.01	5,360
02-17	0900	19.71	10,100	03-08	1415	19.68	7,900	04-22	0430	19.01	5,360
02-17	1000	19.71	10,100	03-08	1430	19.68	7,900	04-22	0445	19.01	5,360
02-17	1100	19.69	10,000	03-08	1600	19.62	7,620	04-22	0500	19.01	5,360
02-17	1200	19.66	9,820	03-08	1800	19.47	7,040	04-22	0600	18.99	5,290
02-17	1400	19.56	9,330	03-08	2000	19.30	6,360	04-22	0800	18.90	5,010
02-17	1600	19.40	8,600	03-08	2200	19.12	5,730	04-22	1000	18.81	4,740
02-17	1800	19.23	7,820	03-08	2400	18.96	5,210	04-22	1200	18.69	4,370
02-17	2000	19.05	7,070	03-09	0100	18.90	4,990	04-22	1400	18.57	4,130
02-17	2200	18.91	6,400	03-09	0500	18.66	4,320	04-22	1600	18.47	3,910
02-17	2400	18.75	5,890	03-09	0900	18.48	3,940	04-22	1800	18.38	3,720
02-18	0300	18.56	5,250	03-09	1300	18.32	3,610	04-22	2000	18.29	3,550
02-18	0600	18.40	4,730	03-09	1800	18.15	3,300	04-22	2200	18.21	3,410
02-18	0900	18.29	4,370	03-09	2300	18.01	3,050	04-22	2400	18.15	3,290
02-18	1200	18.18	4,140					04-23	0100	18.12	3,240
02-18	1500	18.09	3,930					04-23	0500	18.08	3,170
02-18	1800	18.00	3,750					04-23	0900	18.01	3,040
02-18	2100	17.92	3,580					04-23	1300	17.94	2,940
02-18	2400	17.85	3,430					04-23	1700	17.93	2,920
								04-23	2100	17.89	2,860
								04-23	2400	17.83	2,770

Flood hydrograph partial-record stations

MOBILE RIVER BASIN

02437000 TOMBIGBEE RIVER NEAR AMORY, MS

LOCATION.--Lat 33°59'07", long 88°33'03", in NW1/4 NE1/4 sec.3, T.13 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, near right bank on downstream side of bridge on U.S. Highway 278, 0.3 mi downstream from Town Creek, 3.5 mi west of Amory, and at mile 378.9.

DRAINAGE AREA.--1,928 mi², prior to construction of Tennessee-Tombigbee Waterway.

PERIOD OF RECORD.--October 1937 to September 1985. October 1985 to September 1987 (high-water records only). 1988-Current year (flood hydrograph only). Monthly discharge only for October and November 1937, published in WSP 1304. Daily mean gage heights published October 1971 to September 1986.

REVISED RECORDS.--WSP 1504: 1948. WDR MS-80-1: Drainage area.

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

REMARKS.--Records good. Some regulation by Tennessee-Tombigbee Waterway. National Weather Service telemeter at station.

AVERAGE DISCHARGE.--47 years, (water year 1937-84) 3,156 ft³/s, 22.22 in/yr, prior to construction of Tennessee-Tombigbee Waterway.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 162,000 ft³/s, Mar. 17, 1973, gage height, 34.65 ft, minimum, 45 ft³/s, Sept. 20, 1954, minimum gage height, 0.77 ft, Sept. 1, 1943.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1892 reached a stage of 33.5 ft and the flood of December 1926 reached a stage of 31.5 ft, from U. S. Army Corps of Engineers profiles.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 19	1500	21,800	22.15	Mar. 8	1100	*57,800	*29.51
Feb. 16	2345	33,500	25.85	Apr. 21	1300	26,400	23.71
Mar. 6	0145	25,300	23.35	Apr. 23	1745	27,300	24.00

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1995 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
02-16	0200	12.85	3,400	03-04	1200	12.30	2,800	04-20	2000	13.34	3,980
02-16	0400	16.58	8,900	03-04	1600	12.44	2,950	04-20	2200	15.60	7,210
02-16	0600	18.58	12,900	03-04	2000	12.51	3,020	04-20	2400	18.04	11,700
02-16	0800	19.80	15,700	03-04	2400	12.60	3,120	04-21	0200	19.84	15,800
02-16	1000	21.01	18,700	03-05	0400	13.80	4,560	04-21	0400	21.19	19,200
02-16	1200	22.20	21,900	03-05	0800	17.00	9,680	04-21	0600	22.01	21,400
02-16	1400	23.20	24,800	03-05	1200	19.75	15,600	04-21	0800	22.80	23,700
02-16	1600	24.11	27,700	03-05	1600	21.64	20,400	04-21	1000	23.31	25,200
02-16	1800	24.84	30,000	03-05	2000	22.74	23,500	04-21	1200	23.64	26,200
02-16	2000	25.39	31,900	03-05	2400	23.30	25,100	04-21	1300	23.71	26,400
02-16	2200	25.70	33,000	03-06	0400	23.34	25,300	04-21	1400	23.65	26,200
02-16	2345	25.85	33,500	03-06	0800	23.00	24,200	04-21	1600	23.55	25,900
02-16	2400	25.85	33,500	03-06	1200	22.21	22,000	04-21	1800	23.21	24,900
02-17	0200	25.79	33,300	03-06	1600	21.14	19,000	04-21	2000	22.88	23,900
02-17	0400	25.58	32,500	03-06	2000	19.94	16,000	04-21	2200	22.30	22,200
02-17	0600	25.21	31,300	03-06	2400	19.49	14,900	04-21	2400	21.61	20,300
02-17	0800	24.71	29,600	03-07	0400	20.98	18,600	04-22	0200	20.80	18,200
02-17	1000	24.30	28,300	03-07	0800	22.35	22,400	04-22	0400	19.84	15,800
02-17	1200	23.80	26,700	03-07	1200	23.14	24,700	04-22	0600	19.14	14,100
02-17	1400	23.30	25,100	03-07	1600	24.28	28,200	04-22	0800	18.71	13,200
02-17	1600	22.89	23,900	03-07	2000	25.65	32,800	04-22	1000	18.61	13,000
02-17	1800	22.41	22,500	03-07	2400	27.20	38,900	04-22	1200	18.50	12,700
02-17	2000	22.00	21,400	03-08	0200	27.91	42,200	04-22	1400	18.21	12,100
02-17	2200	21.64	20,400	03-08	0400	28.44	46,200	04-22	1600	18.15	12,000
02-17	2400	21.40	19,700	03-08	0600	29.00	52,000	04-22	1800	18.24	12,200
02-18	0800	20.68	17,900	03-08	0800	29.24	54,700	04-22	2000	18.40	12,500
02-18	1600	19.45	14,900	03-08	1000	29.45	57,100	04-22	2200	18.55	12,800
02-18	2400	18.05	11,800	03-08	1100	29.51	57,800	04-22	2400	18.64	13,000
02-19	1200	16.35	8,490	03-08	1200	29.49	57,600	04-23	0200	18.74	13,200
02-19	2400	15.34	6,790	03-08	1400	29.45	57,100	04-23	0400	19.08	14,000
02-20	1200	14.61	5,680	03-08	1600	29.34	55,800	04-23	0600	20.20	16,600
02-20	2400	14.01	4,840	03-08	1800	29.20	54,200	04-23	0800	21.54	20,100
02-21	1200	13.25	3,870	03-08	2000	28.95	51,400	04-23	1000	22.39	22,500
02-21	2400	13.08	3,660	03-08	2200	28.68	48,500	04-23	1200	23.05	24,400
02-22	1200	12.70	3,230	03-08	2400	28.35	45,400	04-23	1400	23.61	26,100
02-22	2400	12.31	2,810	03-09	0400	27.68	41,100	04-23	1600	23.91	27,000
				03-09	0800	27.18	38,800	04-23	1700	24.00	27,300
				03-09	1200	26.74	36,900	04-23	1800	24.00	27,300
				03-09	1600	26.31	35,200	04-23	2000	23.85	26,800
				03-09	2000	25.90	33,600	04-23	2200	23.64	26,200
				03-09	2400	25.54	32,400	04-23	2400	23.28	25,100
				03-10	0800	24.65	29,400	04-24	0200	22.95	24,100
				03-10	1600	23.45	25,600	04-24	0400	22.50	22,800
				03-10	2400	22.10	21,700	04-24	0600	21.94	21,200
				03-11	1200	19.64	15,300	04-24	0800	21.30	19,500
				03-11	1600	19.11	14,100	04-24	1000	20.61	17,700
				03-11	2400	18.35	12,400	04-24	1200	20.01	16,200
				03-12	1200	17.04	9,760	04-24	1800	18.70	13,200
				03-12	2400	15.71	7,390	04-24	2400	17.90	11,500
				03-13	1200	15.49	7,030	04-25	1200	16.60	8,940
				03-13	2400	14.41	5,390	04-25	2400	16.04	7,950
				03-14	1200	14.04	4,880	04-26	1200	15.41	6,900
				03-14	2400	13.55	4,240	04-26	2400	14.25	5,170
				03-15	1200	13.55	4,240	04-27	1200	13.75	4,490
				03-15	2400	12.75	3,280	04-27	2400	13.01	3,580

Flood hydrograph partial-record stations

MOBILE RIVER BASIN

02441000 TIBBEE CREEK NEAR TIBBEE, MS

LOCATION.--Lat 33°32'17", long 88°38'00", in SW1/4 sec.4, T.19 N., R.16 E., Choctaw Meridian, Clay County, Hydrologic Unit 03160104, on right bank 10 ft downstream from bridge on old State Highway 25, 560 ft upstream from Illinois Central and Gulf Railroad bridge, 0.7 mi north of Tibbee, 4.5 mi upstream from Magee Creek, 5.0 mi south of West Point, 9.8 mi upstream from Catalpa Creek, and 17.7 mi upstream from mouth.

DRAINAGE AREA.--926 mi².

PERIOD OF RECORD.--August 1928 to September 1930, October 1939 to January 1981, February 1981 to September 1987 (high-water records only). October 1987 to current year (flood hydrograph only). Monthly discharge only for September 1930 and October 1939, published in WSP 1034. Prior to October 1950, published as Tibbee River near Tibbee.

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

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

REMARKS.--Records fair. U. S. Army Corps of Engineers radio telemeter at station.

AVERAGE DISCHARGE.--43 years (water years 1929-30, 1940-80), 1,343 ft³/s, 19.70 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 81,600 ft³/s, Mar. 17, 1973, gage height, 32.26 ft, no flow at times many years.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 18	0845	13,900	23.90	Apr. 24	0930	*34,200	*27.57
Mar. 9	1030	25,300	26.22				

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1995 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
02-15	2000	9.65	790	03-05	0400	11.75	1,680	04-20	1200	8.89	171
02-15	2400	10.55	1,210	03-05	0800	12.46	1,960	04-20	2400	10.83	1,330
02-16	0400	11.93	1,750	03-05	1200	14.43	2,870	04-21	0400	14.65	2,990
02-16	0800	12.82	2,120	03-05	1600	16.16	3,820	04-21	0800	15.42	3,390
02-16	1200	15.15	3,250	03-05	2000	16.97	4,310	04-21	1200	16.23	3,860
02-16	1600	17.02	4,340	03-05	2400	17.56	4,690	04-21	1600	17.20	4,450
02-16	2000	18.15	5,090	03-06	0400	18.25	5,160	04-21	2000	18.65	5,440
02-16	2400	18.87	5,600	03-06	0800	19.16	5,820	04-21	2400	20.81	7,120
02-17	0400	19.66	6,200	03-06	1200	20.23	6,650	04-22	0400	22.27	8,870
02-17	0800	20.60	6,950	03-06	1600	21.33	7,550	04-22	0800	23.05	10,800
02-17	1200	21.51	7,710	03-06	2000	22.15	8,610	04-22	1200	23.86	13,700
02-17	1600	22.36	9,070	03-06	2400	22.77	10,000	04-22	1600	24.27	15,400
02-17	2000	22.95	10,500	03-07	0400	23.31	11,600	04-22	2000	24.43	16,100
02-17	2400	23.46	12,200	03-07	0800	23.66	12,900	04-22	2400	24.55	16,600
02-18	0200	23.60	12,700	03-07	1200	23.87	13,700	04-23	0400	24.86	18,000
02-18	0400	23.73	13,200	03-07	1600	24.13	14,800	04-23	0800	25.40	20,700
02-18	0600	23.81	13,500	03-07	2000	24.32	15,600	04-23	1200	25.96	23,800
02-18	0800	23.84	13,600	03-07	2400	24.38	15,800	04-23	1600	26.36	26,100
02-18	0845	23.90	13,900	03-08	0400	24.42	16,000	04-23	2000	26.76	28,600
02-18	1000	23.83	13,600	03-08	0800	24.52	16,500	04-23	2400	27.10	30,900
02-18	1200	23.83	13,600	03-08	1200	24.78	17,600	04-24	0200	27.29	32,200
02-18	1400	23.81	13,500	03-08	1600	25.18	19,600	04-24	0400	27.40	33,000
02-18	1600	23.80	13,500	03-08	2000	25.61	21,800	04-24	0600	27.50	33,700
02-18	1800	23.80	13,500	03-08	2400	25.89	23,400	04-24	0800	27.53	33,900
02-18	2000	23.79	13,400	03-09	0200	25.96	23,800	04-24	0930	27.57	34,200
02-18	2200	23.69	13,000	03-09	0400	26.03	24,200	04-24	1000	27.56	34,200
02-18	2400	23.69	13,000	03-09	0600	26.10	24,600	04-24	1200	27.52	33,900
02-19	0400	23.58	12,600	03-09	0800	26.14	24,800	04-24	1400	27.46	33,400
02-19	0800	23.47	12,200	03-09	1000	26.20	25,200	04-24	1600	27.30	32,300
02-19	1200	23.29	11,600	03-09	1030	26.22	25,300	04-24	1800	27.16	31,300
02-19	1600	23.05	10,800	03-09	1200	26.21	25,200	04-24	2000	26.99	30,200
02-19	2000	22.72	9,900	03-09	1400	26.21	25,200	04-24	2200	26.81	29,000
02-19	2400	22.39	9,130	03-09	1600	26.17	25,000	04-24	2400	26.66	28,000
02-20	0400	21.91	8,190	03-09	1800	26.11	24,600	04-25	0400	26.28	25,600
02-20	0800	21.32	7,550	03-09	2000	26.01	24,100	04-25	0800	25.90	23,400
02-20	1200	20.66	7,000	03-09	2200	25.88	23,300	04-25	1200	25.56	21,500
02-20	2400	18.08	5,040	03-09	2400	25.76	22,600	04-25	1600	25.16	19,500
02-21	1200	15.10	3,220	03-10	0400	25.45	21,000	04-25	2000	24.72	17,400
02-21	2400	12.68	2,050	03-10	0800	25.07	19,000	04-25	2400	24.41	16,000
02-22	1200	10.83	1,330	03-10	1200	24.65	17,000	04-26	0400	24.06	14,500
02-22	2400	10.31	1,100	03-10	1600	24.26	15,300	04-26	0800	23.69	13,000
02-23	1200	10.01	964	03-10	2000	23.82	13,500	04-26	1200	23.32	11,700
02-23	2400	9.86	896	03-10	2400	23.40	12,000	04-26	1600	22.96	10,500
02-24	1200	9.59	759	03-11	1200	21.78	8,030	04-26	2000	22.49	9,360
02-24	2400	9.52	719	03-11	2400	19.33	5,950	04-26	2400	21.96	8,250
02-25	1200	9.46	686	03-12	1200	16.59	4,070	04-27	0800	20.52	6,880
02-25	2400	9.32	600	03-12	2400	14.41	2,860	04-27	1600	18.83	5,570
				03-13	1200	12.31	1,900	04-27	2400	16.89	4,260
				03-13	2400	11.20	1,480	04-28	0800	14.59	2,960
				03-14	1200	10.70	1,270	04-28	1600	11.60	1,620
				03-14	2400	10.49	1,180	04-28	2400	9.84	887
								04-29	1200	9.50	708
								04-29	2400	9.46	686

Flood hydrograph partial-record stations

PEARL RIVER BASIN

02485800 EUBANKS CREEK AT JACKSON, MS

LOCATION.--Lat 32°21'00", long 90°09'50", 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, 1,600 ft upstream from Interstate 55 and 1.3 mi upstream from the mouth.

DRAINAGE AREA.--3.91 mi².

PERIOD OF RECORD.--August 1953 to current year (annual peaks only prior to 1988 water year).

GAGE.--Water-stage recorder. Datum of gage is 262.02 ft above sea level, supplementary adjustment of 1941. A continuous recorder was previously located 1,600 ft downstream from the present site at datum 0.74 ft lower than the present and was in operation from July 1954 to August 1959. A crest-stage gage was also in operation from November 1953 through February 1959, located 1,700 ft downstream from the present site.

REMARKS.--Records fair. Occasional backwater from Pearl River.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,200 ft³/s, Apr. 29, 1953, gage height, 12.20 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,510 ft³/s, Apr. 20, gage height 12.41 ft from high water mark.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1995 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
10-20	1700	4.85	110	01-18	1745	4.70	87	05-08	1445	7.17	668
10-20	1715	8.62	1,130	01-18	1800	5.15	164	05-08	1500	7.99	927
10-20	1730	9.64	1,470	01-18	1815	5.26	185	05-08	1515	7.48	763
10-20	1745	10.09	1,630	01-18	1830	5.18	170	05-08	1530	6.87	581
10-20	1800	9.91	1,570	01-18	1845	5.03	141	05-08	1545	6.16	389
10-20	1815	9.22	1,330	01-18	1900	4.87	114	05-08	1600	5.55	246
10-20	1830	8.62	933	01-18	1915	4.75	95	05-08	1615	5.10	154
10-20	1845	8.01	710	01-18	1930	5.35	204	05-08	1630	4.76	96
10-20	1900	7.31	462	01-18	1945	7.90	897	05-08	1645	4.50	61
10-20	1915	6.44	279	01-18	2000	8.63	1,130	05-08	1700	4.32	41
10-20	1930	5.70	179	01-18	2015	8.16	980	05-08	1715	4.16	27
10-20	1945	5.23	119	01-18	2030	7.63	810	05-08	1730	4.02	17
10-20	2000	4.90	82	01-18	2045	7.04	630				
10-20	2015	4.66	55	01-18	2100	6.35	438	05-29	1330	4.32	41
10-20	2030	4.45	35	01-18	2115	5.73	286	05-29	1345	6.84	572
10-20	2045	4.26	22	01-18	2130	5.29	191	05-29	1400	7.96	917
				01-18	2145	4.95	127	05-29	1415	7.82	871
11-27	2100	5.07	149	01-18	2200	4.70	87	05-29	1430	7.00	618
11-27	2115	7.00	618	01-18	2215	4.50	61	05-29	1445	6.20	400
11-27	2130	7.96	917	01-18	2230	4.34	43	05-29	1500	6.11	377
11-27	2145	7.75	848	01-18	2245	4.20	30	05-29	1515	5.94	335
11-27	2200	7.03	627	01-18	2300	4.07	20	05-29	1530	5.70	279
11-27	2215	6.25	412					05-29	1545	5.48	231
11-27	2230	5.63	264	03-07	0630	7.45	760	05-29	1600	5.21	176
11-27	2245	5.20	174	03-07	0645	8.67	1,140	05-29	1615	4.96	129
11-27	2300	4.88	115	03-07	0700	8.41	1,060	05-29	1630	4.77	98
11-27	2315	4.64	79	03-07	0715	8.06	949	05-29	1645	4.71	89
11-27	2330	4.46	56	03-07	0730	7.38	732	05-29	1700	4.61	75
11-27	2345	4.30	39	03-07	0745	6.53	486	05-29	1715	4.46	56
11-27	2400	4.17	28	03-07	0800	5.83	309	05-29	1730	4.29	38
11-28	0015	4.04	18	03-07	0815	5.36	206	05-29	1745	4.15	26
				03-07	0830	5.02	140	05-29	1800	4.02	17
				03-07	0845	4.78	99				
				03-07	0900	4.59	72				
				03-07	0915	4.41	51				
				03-07	0930	4.26	35				
				03-07	0945	4.12	24				
				03-07	1000	4.01	16				

Flood hydrograph partial-record stations

PEARL RIVER BASIN

02485950 TOWN CREEK AT JACKSON, MS

LOCATION.--Lat 32°18'14", long 90°11'32", in NW1/4 SW1/4sec.3, T.5 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, at bridge on Gallatin street in Jackson, 300 ft upstream of Illinois Central Railroad and 2.5 mi upstream from mouth.

DRAINAGE AREA.--11.4 mi².

PERIOD OF RECORD.--August 1954 to current year (Annual peaks only prior to 1989 water year).

GAGE.--Water-stage recorder. Datum of gage is 260.72 ft above sea level. Prior to Mar. 2, 1988, at datum 2.00 ft higher.

REMARKS.--Records fair. Occasional backwater from Pearl River.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,480 ft³/s, Apr. 14, 1983, maximum gage height, 13.00 ft present datum, Apr. 4, 1977.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of 1921, maximum discharge, 6,000 ft³/s, gage height, 19.00 ft (but may have been at different datum).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,040 ft³/s, Apr. 20, gage height, 11.98 ft.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1995

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
10-20	1715	3.16	370	03-14	2015	3.01	332	04-22	0630	4.83	858
10-20	1730	5.87	1,220	03-14	2030	3.43	439	04-22	0645	6.46	1,450
10-20	1745	7.46	1,850	03-14	2045	4.42	726	04-22	0700	7.13	1,710
10-20	1800	8.46	2,290	03-14	2100	5.34	1,030	04-22	0715	7.38	1,820
10-20	1815	8.95	2,510	03-14	2115	6.34	1,400	04-22	0730	7.25	1,760
10-20	1830	9.27	2,660	03-14	2130	7.04	1,680	04-22	0745	7.04	1,680
10-20	1845	9.45	2,750	03-14	2145	7.45	1,850	04-22	0800	6.73	1,550
10-20	1900	9.44	2,740	03-14	2200	7.78	1,990	04-22	0815	6.45	1,440
10-20	1915	9.30	2,680	03-14	2215	7.81	2,000	04-22	0830	6.33	1,390
10-20	1930	8.91	2,490	03-14	2230	7.74	1,970	04-22	0845	6.08	1,300
10-20	1945	8.43	2,270	03-14	2245	7.80	2,000	04-22	0900	5.77	1,180
10-20	2000	7.42	1,830	03-14	2300	7.89	2,030	04-22	0915	5.51	1,090
10-20	2015	6.51	1,460	03-14	2315	7.71	1,960	04-22	0930	5.45	1,070
10-20	2030	5.82	1,200	03-14	2330	7.70	1,950	04-22	0945	5.34	1,030
10-20	2045	5.21	986	03-14	2345	7.53	1,880	04-22	1000	5.11	952
10-20	2100	4.92	888	03-14	2400	7.35	1,800	04-22	1100	4.93	891
10-20	2130	4.57	774	03-15	0030	6.94	1,640	04-22	1200	4.36	708
10-20	2200	4.16	647	03-15	0100	6.30	1,380	04-22	1300	3.80	541
10-20	2230	3.59	483	03-15	0130	5.64	1,140	04-22	1400	3.44	442
10-20	2300	3.21	382	03-15	0200	5.21	986	04-22	1500	3.27	398
10-20	2315	3.02	335	03-15	0230	4.65	799	04-22	1600	3.19	377
				03-15	0300	4.41	723	04-22	1645	3.00	330
				03-15	0330	4.02	605				
				03-15	0400	3.50	458				
				03-15	0430	3.04	340				
11-27	1800	4.15	644	04-20	1900	3.03	337	04-22	2230	3.54	469
11-27	1815	6.27	1,370	04-20	1915	4.65	799	04-22	2245	4.54	764
11-27	1830	7.23	1,750	04-20	1930	7.07	1,690	04-22	2300	5.45	1,070
11-27	1845	7.35	1,800	04-20	1945	10.00	3,010	04-22	2315	6.17	1,330
11-27	1900	7.02	1,670	04-20	2000	11.60	3,830	04-22	2330	6.65	1,520
11-27	1915	6.53	1,470	04-20	2015	11.98	4,040	04-22	2400	7.13	1,710
11-27	1930	6.11	1,310	04-20	2030	11.94	4,020	04-23	0030	7.63	1,920
11-27	1945	5.68	1,150	04-20	2045	11.96	4,030	04-23	0100	8.34	2,230
11-27	2000	5.26	1,000	04-20	2100	11.82	3,950	04-23	0115	8.49	2,300
11-27	2015	4.95	898	04-20	2115	11.70	3,890	04-23	0130	8.49	2,300
11-27	2030	4.68	809	04-20	2130	11.49	3,770	04-23	0145	8.45	2,280
11-27	2100	4.08	623	04-20	2145	11.09	3,560	04-23	0200	8.26	2,200
11-27	2130	3.67	505	04-20	2200	10.65	3,340	04-23	0215	8.48	2,300
11-27	2200	3.35	418	04-20	2215	10.12	3,070	04-23	0230	8.74	2,410
11-27	2230	3.05	342	04-20	2230	9.49	2,770	04-23	0245	9.00	2,530
				04-20	2245	8.54	2,320	04-23	0300	9.11	2,590
				04-20	2300	7.68	1,940	04-23	0315	9.09	2,580
				04-20	2330	6.79	1,580	04-23	0330	8.95	2,510
				04-20	2400	6.20	1,340	04-23	0345	8.75	2,420
				04-21	0030	5.87	1,220	04-23	0400	8.39	2,260
				04-21	0100	5.49	1,080	04-23	0415	7.98	2,070
				04-21	0130	5.17	972	04-23	0430	7.59	1,910
				04-21	0200	4.71	819	04-23	0445	7.17	1,730
				04-21	0230	4.18	653	04-23	0500	6.92	1,630
				04-21	0300	3.50	458	04-23	0530	6.45	1,440
				04-21	0315	3.18	375	04-23	0600	6.12	1,310
								04-23	0630	5.90	1,230
								04-23	0700	5.63	1,130
								04-23	0730	5.40	1,050
								04-23	0800	5.22	989
								04-23	0830	5.18	976
								04-23	0900	5.13	958

Flood hydrograph partial-record stations

PEARL RIVER BASIN

02486100 LYNCH CREEK AT JACKSON, MS

LOCATION.--Lat 32°17'04", long 90°12'52", in SW1/4 SE1/4 sec.8, T.5 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, near left bank at the downstream side of Valley Street bridge in Jackson, 2,000 ft downstream of Highway 80, and 2.0 mi upstream from the mouth.

DRAINAGE AREA.--12.0 mi² (11.1 mi² at U.S. Highway 80, furnished by City of Jackson plus 0.9 mi² intervening area estimated from City of Jackson 2-ft contour map).

PERIOD OF RECORD.--August 1954 to current year (annual peaks only prior to 1988 water year).

GAGE.--Water-stage recorder. Datum of gage is 261.68 ft above sea level.

REMARKS.--Records fair. Occasional backwater from Pearl River.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,600 ft³/s, June 16, 17, 1958, gage height, 18.05 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 29, 1953, maximum discharge, 7,500 ft³/s, gage height, 18.9 ft (from floodmark). Flood prior to 1939 reached a stage of 19.2 ft (from Mississippi Highway Department).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,180 ft³/s, Apr. 20, gage height, 16.30 ft.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1995 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
10-20	1500	3.77	270	04-20	1800	5.32	933	04-22	2100	4.77	427
10-20	1600	3.77	270	04-20	1900	4.93	962	04-22	2200	4.79	431
10-20	1700	3.77	270	04-20	1930	6.28	1,380	04-22	2230	5.67	594
10-20	1800	4.57	394	04-20	2000	13.46	4,330	04-22	2300	7.53	1,010
10-20	1815	6.17	696	04-20	2015	15.38	5,870	04-22	2330	9.34	1,500
10-20	1830	7.75	1,060	04-20	2030	16.08	6,660	04-22	2345	10.08	1,720
10-20	1845	9.29	1,480	04-20	2045	16.29	7,020	04-22	2400	10.67	1,900
10-20	1900	10.05	1,710	04-20	2100	16.30	7,180	04-23	0015	11.18	2,070
10-20	1915	10.39	1,810	04-20	2115	16.15	7,010	04-23	0030	11.60	2,210
10-20	1930	10.59	1,880	04-20	2130	15.96	6,800	04-23	0045	11.95	2,330
10-20	1945	10.74	1,930	04-20	2145	15.82	6,650	04-23	0100	12.31	2,460
10-20	2000	10.74	1,930	04-20	2200	15.51	6,330	04-23	0115	12.66	2,590
10-20	2015	10.56	1,870	04-20	2230	14.48	5,420	04-23	0130	12.83	2,650
10-20	2030	10.12	1,730	04-20	2300	13.19	4,450	04-23	0145	12.91	2,680
10-20	2045	9.50	1,540	04-20	2330	11.78	3,570	04-23	0200	12.89	2,670
10-20	2100	8.75	1,330	04-20	2400	10.27	2,870	04-23	0215	12.76	2,630
10-20	2200	6.18	698	04-21	0100	7.61	1,840	04-23	0230	12.87	2,670
10-20	2300	5.08	482	04-21	0200	6.12	1,310	04-23	0245	13.13	2,760
10-20	2400	4.64	405					04-23	0300	13.41	2,870
10-21	0100	4.37	361	04-22	0400	4.12	322	04-23	0315	13.57	2,930
				04-22	0500	4.12	322	04-23	0330	13.61	2,950
03-14	1200	3.93	293	04-22	0530	4.12	322	04-23	0345	13.55	2,920
03-14	1300	3.93	293	04-22	0600	4.12	322	04-23	0400	13.40	2,870
03-14	1400	4.27	345	04-22	0615	4.12	322	04-23	0415	13.18	2,780
03-14	1500	4.41	367	04-22	0630	5.04	475	04-23	0430	12.81	2,640
03-14	1600	6.38	741	04-22	0645	9.13	1,440	04-23	0445	12.36	2,480
03-14	1700	7.42	981	04-22	0700	11.31	2,110	04-23	0500	11.87	2,310
03-14	1800	8.95	1,380	04-22	0715	12.02	2,360	04-23	0530	10.87	1,970
03-14	1900	8.76	1,330	04-22	0730	12.03	2,360	04-23	0600	9.89	1,660
03-14	2000	8.36	1,220	04-22	0745	11.87	2,310	04-23	0700	8.00	1,130
03-14	2100	10.02	1,700	04-22	0800	11.80	2,280	04-23	0800	6.67	805
03-14	2130	11.19	2,070	04-22	0815	11.70	2,250	04-23	0900	5.92	644
03-14	2200	12.19	2,420	04-22	0830	11.46	2,170				
03-14	2230	12.78	2,630	04-22	0845	11.15	2,060				
03-14	2245	12.93	2,690	04-22	0900	10.76	1,930				
03-14	2300	12.97	2,700	04-22	0915	10.35	1,800				
03-14	2315	12.96	2,700	04-22	0930	9.99	1,690				
03-14	2330	12.85	2,660	04-22	0945	9.69	1,600				
03-14	2345	12.68	2,600	04-22	1000	9.46	1,530				
03-14	2400	12.43	2,510	04-22	1030	9.15	1,440				
03-15	0030	11.84	2,300	04-22	1100	8.89	1,370				
03-15	0100	11.21	2,080	04-22	1200	8.13	1,160				
03-15	0130	10.46	1,840	04-22	1300	7.42	981				
03-15	0200	9.72	1,610								
03-15	0230	8.99	1,400								
03-15	0300	8.27	1,200								
03-15	0400	7.09	902								
03-15	0500	6.28	720								

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Flood hydrograph partial-record stations

PEARL RIVER BASIN

02486350 CANY CREEK AT JACKSON, MS

LOCATION.--Lat 32°14'14", long 90°13'58", in Nel/4 sec.31, T.5 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, at bridge on Terry Road (Old U.S. Highway 51 south) at Jackson, and about 2.5 mi upstream from the confluence with the Pearl River.

DRAINAGE AREA.--8.38 mi².

PERIOD OF RECORD.--Occasional discharge measurements, annual maximums, water years 1961-77. November 1993 to September 1994 (high water records only).

GAGE.--Water-stage recorder. Datum of gage is 255.00 ft above sea level. November 1960 to September 1977 crest-stage gage at same site and datum 55 ft lower.

REMARKS.--Records fair. Occasional backwater from Pearl River. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,400 ft³/s, Apr. 16, 1973, gage height, 15.89 ft present datum, minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,090 ft³/s, Apr. 20, gage height 12.42 ft.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1995 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
04-20	1525	3.55	52	05-29	1400	3.40	39	07-20	1450	3.37	41
04-20	1540	3.90	81	05-29	1430	3.50	44	07-20	1550	3.43	45
04-20	1545	4.50a	149	05-29	1440	3.76	63	07-20	1755	3.61	58
04-20	1555	5.85a	395	05-29	1445	4.05	91	07-20	1805	3.86	79
04-20	1610	7.70a	897	05-29	1450	4.45	135	07-20	1840	4.04	98
04-20	1620	8.50a	1,180	05-29	1500	4.57	151	07-20	1845	4.30	126
04-20	1630	8.75a	1,280	05-29	1505	4.70	169	07-20	1850	4.59	165
04-20	1640	8.32a	1,120	05-29	1510	6.79	609	07-20	1855	4.81	200
04-20	1650	7.65a	881	05-29	1515	7.49	811	07-20	1900	6.66	595
04-20	1710	6.72	606	05-29	1520	7.83	921	07-20	1910	7.41	811
04-20	1735	6.36a	514	05-29	1525	8.04	993	07-20	1920	8.98	1,390
04-20	1820	5.88	402	05-29	1540	8.32	1,090	07-20	1925	9.58	1,630
04-20	1850	5.47	313	05-29	1550	8.43	1,130	07-20	1930	10.03	1,830
04-20	1940	4.71	180	05-29	1555	8.47	1,150	07-20	1935	10.36	1,980
04-20	2025	4.38	134	05-29	1600	8.43	1,130	07-20	1940	10.65	2,120
04-20	2040	5.92a	411	05-29	1610	8.30	1,090	07-20	1945	10.85	2,220
04-20	2055	7.30a	772	05-29	1620	7.94	958	07-20	1950	10.69	2,140
04-20	2115	8.95a	1,370	05-29	1630	7.61	849	07-20	1955	10.59	2,090
04-20	2140	10.80a	2,180	05-29	1645	7.23	733	07-20	2005	10.22	1,920
04-20	2200	11.95a	2,790	05-29	1710	6.88	633	07-20	2015	9.44	1,570
04-20	2210	12.33	3,030	05-29	1745	6.52	536	07-20	2025	8.55	1,210
04-20	2215	12.42	3,090	05-29	1815	6.20	460	07-20	2035	7.75	921
04-20	2225	12.35	3,040	05-29	1850	5.85	379	07-20	2115	6.47	546
04-20	2250	11.48	2,530	05-29	1925	5.48	302	07-20	2150	5.92	416
04-20	2310	10.41	2,000	05-29	2005	5.20	251	07-20	2225	5.43	309
04-20	2330	9.25	1,490	05-29	2040	5.00	217	07-20	2320	4.92	219
04-20	2400	7.95a	982	05-29	2110	4.79	182	07-21	0005	4.74	188
04-21	0040	6.76	617	05-29	2210	4.51	141	07-21	0045	4.62	169
04-21	0130	6.17	469	05-29	2340	4.33	119	07-21	0145	4.52	155
04-21	0345	5.10	246	05-30	0025	4.25	110	07-21	0305	4.42	141
04-21	0445	4.85	203	05-30	0120	4.17	102	07-21	0410	4.37	135
04-21	0540	4.63	168	05-30	0305	4.08	94	07-21	0625	4.28	124
04-21	0655	4.40	136	05-30	0735	3.94	78	07-21	0735	4.17	111
04-21	1000	3.93	84	05-30	1035	3.79	65	07-21	1010	4.04	98
				05-30	1215	3.75	62	07-21	1245	3.98	92

(a)reconstructed

Crest-stage partial-record stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record stations during water year 1995

Station name and number	Location and drainage area	Period of record	Water year 1995 maximum			Period of record maximum		
			Date	Gage height (ft)	Dis- charge (ft ³ /s)	Date	Gage height (ft)	Dis- charge (ft ³ /s)
MOBILE RIVER BASIN								
Town Creek at Tupelo, MS (02434000)	Lat 34°17'39", long 88°42'32", SW1/4SE1/4 sec. 18, T.9 S., R.6 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, on U.S. Highway 45, 0.5 mi north of city limits of Tupelo. Prior to 1971 at datum 0.40 ft higher Drainage area is 111 mi ² .	1944-46+, 1952-70+, 1971-95	5-19-83	25.66	d15,000	3-21-55	27.72	23,000
			d12-04-83	23.99	d 9,900			
			d 4-22-85	<21.69	d<6,400			
			6-06-86	<21.69	d<4,000			
			d11-23-86	20.14	d 5,450			
			1-19-88	13.96	d 2,710			
			2-21-89	21.79	d 6,500			
			2-10-90	23.32	d 8,400			
			5-27-91	26.67	d18,600			
			12-01-91	24.52	d11,600			
Coonewah Creek at Shannon, MS (02435800)	Lat 34°08'17", long 88°43'08", in SE1/4 sec. 12, T.11 S., R. 5 E., Chickasaw Meridain, Lee County, Hydrologic Unit 03160102, on U.S. Highway 45, 1.0 mi north of Shannon and 4.5 mi upstream from mouth. Drainage area is 53.1 mi ² .	1953-95	3-08-95	17.26	a6,400	4-11-62	19.57	22,400
Chiwapa Creek at Shannon, MS (02436000)	Lat 34°06'35", long 88°43'20", in SE1/4 sec. 24, T.11 S., R. E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, at bridge on U.S. Highway 45W at Shannon, and 0.7 mi above Gulf, Mobile, and Ohio Railroad bridge. Drainage area is 145 mi ² .	1952-67+, 1968-95	3-08-95	11.29	16,900	3-21-55	15.72	35,500
Mattubby Creek near Aberdeen, MS (02437300)	Lat 33°52'13", long 88°35'46", in SE1/4SE1/4 sec.7, T.14 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, at bridge on U.S. Highway 45, 1.5 mi above Wolf River, and 4.1 mi northwest of Aberdeen. Drainage area is 92.2 mi ² .	1937, 1952-95	4-23-95	94.13	11,600	12-21-90	95.27	14,600
Nichols Creek tributary near Quincy, MS (02437550)	Lat 33°54'20", long 88°21'05", in SE1/4 sec. 29, T.13 S., R. 10 E., Huntsville Meridian, Monroe County, Hydrologic Unit 03160101, at culvert on U.S. Highway 278, 1.0 mi southeast of Quincy. Drainage area is 0.54 mi ² .	1967-95	4-23-95	5.27	175	10-30-93	9.70	510
James Creek at Aberdeen, MS (02437600)	Lat 38°48'48", long 88°33'59", in SW1/4SE1/4 SEC.33, T.14 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, at bridge on State Highway 25, 0.4 mi south- west of Aberdeen. Drainage area is 28.4 mi2.	1964-68+, 1969-95	4-23-95	24.10	5,090	10-22-84	15.21	6,970
Chuquatonchee Creek near Okolona, MS (02439980)	Lat 34°00'05", long 88°53'00", in NE1/4 sec. 33, T.12 R.4 E., Chickasaw Meridian, Chicka- saw County, Hydrologic Unit 03160104, at bridge on State Highway 32, 7.5 mi west of Okolona. Drainage area is 68.6 mi ² .	1963-68, 1969-80, 1984-86, 1988-95	3-08-95	13.63	2,730	3-16-73	16.93	15,000
Chuquatonchee Creek near Egypt, MS (02440000)	Lat 33°50'24", long 88°45'40", on line between secs. 22 and 27, T.14 S., R.5 E., Chickasaw Meridian, Chickasaw County, Hydrologic Unit 03160104, at bridge on State Highway 8, 4.5 mi southwest of Egypt. Drainage area is 167 mi ² .	1952-73+, 1974-95	3-08-95	13.97	9,950	3-16-73	16.61	36,300

Annual maximum discharge at crest-stage partial-record stations during water year 1995

Station name and number	Location and drainage area	Period of record	Water year 1995 maximum			Period of record maximum		
			Date	Gage height (ft)	Dis- charge (ft ³ /s)	Date	Gage height (ft)	Dis- charge (ft ³ /s)
MOBILE RIVER BASIN--Continued								
Houlka Creek near McCondy, MS (02440400)	Lat 33°47'05", long 88°51'15", in SE1/4SW1/4 sec.11, T.15 S., R.4 E., Chickasaw Meridian, Clay County, Hydrologic Unit 03160104, at bridge on State Highway 47, 2.8 mi south of McCondy. Drainage area is 189 mi ² .	1963-68+, 1969-95	3-08-95	15.29	12,600	3-16-73	18.65	40,000
Chuquatonchee Creek near West Point, MS (02440500)	Lat 33°36'25", long 88°42'30", on line between secs. 7 and 18, T.17 S., R.6 E., Chidkasaw Meridian, Clay County, Hydrologic Unit 03160104, at bridge on State Highway 50, 3.0 mi west of West Point. Drainage area is 505 mi ² .	1944-73+, 1974-95	3-09-95	19.25	17,500	3-17-73	24.58	57,100
Line Creek near Maben, MS (02440600)	Lat 33°39'17", long 89°03'41", in S1/2 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. Drainage area is 4.76 mi ² .	1952-95	3-08-95	20.23	1,660	12-03-83	28.33	7,540
Trim Cane Creek near Starkville MS (02440800)	Lat 33°28'08", long 88°54'30", in W1/2 sec.25, T.19 N., R.13 E., Choctaw Meridian, Oktib- beha County, Hydrologic Unit 03160104, at bridge on U.S. Highway 82, 3.0 mi above Biba Wila Creek, and 6.0 mi west of Starkville. Drainage area is 44.9 mi ² .	1952-95	12-22-94	16.69	1,500	5-19-83	28.10	9,980
Sand Creek trib- utary near Mayhew, MS (02441220)	Lat 33°28'37", long 88°43'23", on line between SW1/4 sec.17 and NW1/4 sec.34, T.19N., R.15 E., Choctaw Meridian, Oktib- beha County, Hydrologic Unit 03160104, on U.S. Highway 82, 3.7 mi west of Mayhew. Drainage area is 0.44 mi ² .	1966-95	3-06-95	5.31	150	4-27-84	8.75	395
Catalpa Creek at Mayhew, MS (02441300)	Lat 33°28'53", long 88°37'42", in NE1/4SW1/4 sec.28, T.19 N., R.15 E., Choctaw Meridian Oktibbeha County, Hydrologic Unit 03160104, at bridge on U.S. Highway 82, 0.5 mi east of Mayhew. Drainage area is 98.0 mi ² .	1963-68+, 1969-95	12-22-94	17.83	7,960	4-13-79	21.52	19,800
Luxapallila Creek at Steens, MS (02443000)	Lat 33°33'35", long 88°18'55", in NE1/4 sec.27, T.17 S., R. 17 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160105, on county hwy 0.2 mi southeast of Steens. Drainage area is 309 mi ² .	1944-47+, 1950-77+, 1978-95	4-21-95	17.50	8,150	1-06-49	19.20	16,000
Flat Scooba Creek tribu- tary near Scooba, MS (02448620)	Lat 32°50'27", long 88°28'08", in SE1/4 sec.32, T.12 N., R. 18 E., Choctaw Meridian, Kemper County, Hydrologic Unit 03160108, at culvert on U.S. Highway 45, 0.8 mi north of Scooba. Drainage area is 0.44 mi ² .	1967-95	4-21-95	4.56	88.0	4-12-79	8.87	427
PASCAGOULA RIVER BASIN								
Leaf River near Raleigh, MS (02471100)	Lat 32°00'47", long 89°25'58", in SE1/4SE1/4 sec.13, T.2 N., R.8 E., Choctaw Meridian, Smith County, Hydrologic Unit 03170004, at bridge on State Highway 18, 6.0 mi east of Raleigh. Drainage area is 143 mi ² .	1940-43c, 1957-95	4-23-95	18.83	4,000	4-13-74	28.17	17,000

Annual maximum discharge at crest-stage partial-record stations during water year 1995

Station name and number	Location and drainage area	Period of record	Water year 1995 maximum			Period of record maximum		
			Date	Gage height (ft)	Dis- charge (ft ³ /s)	Date	Gage height (ft)	Dis- charge (ft ³ /s)
PASCAGOULA RIVER BASIN								
Leaf River at Taylorsville, MS (02471250)	Lat 31°49'40", long 89°24'30", on line between secs. 16 and 21, T.10 N., R.14 W., St. Stephens Meridian, Smith County, Hydrologic Unit 03170004, on State Highway 28, 1.0 mi east of Taylorsville. Drainage area is 459 mi ² .	1968-95	4-13-80	53.53	d21,700	4-14-74	57.44	37,600
			3-29-81	47.12	d12,400			
			2-16-82	42.75	d 8,720			
			4-08-83	53.47	d21,500			
			3-05-84	40.41	d 7,010			
			2-28-85	48.92	d14,100			
			5-31-86	40.81	d 7,300			
			3-01-87	52.39	d18,700			
			4-03-88	40.57	d 7,130			
			1-02-89	42.52	d 8,550			
			2-16-90	57.28	d36,300			
			4-30-91	50.16	d15,500			
			d2-17-92	d37.37	d 5,000			
			d1-30-94	50.79	d16,300			
			4-25-95	45.72	11,100			
Oakohay Creek at Mize, MS (02471500)	Lat 31°52'00", long 89°32'49", in NW1/4 sec.6 T.10 N., R. 15, W., St. Stephens Meridi- an, Smith County, Hydrologic Unit 03170004, on State High- way 28, at Mize. Drainage area is 185 mi ² .	1943-49+, 1968-95	4-21-95	12.75	5,200	4-13-74	17.26	28,900
Bouie Creek near Sanford, MS (02472420)	Lat 31°28'20", long 89°31'20", in NE1/4 sec.20, T.6 N., R.15 W., St. Stephens Meridian, Covington County, Hydrologic Unit 03170004, at bridge on State Highway 589, 5.0 mi southwest of junction with U.S. Highway 49. Drainage area is 262 mi ² .	1968-95	4-23-95	15.72	2,860	4-13-74	32.22	a32,000
Gordon Creek at Hattiesburg, MS (02473047)	Lat 31°19'42", long 89°18'14", in NW1/4NE1/4 sec.9, T.4 N.,R. 13 W., St Stephens Meridian, Forrest County, Hydrologic Unit 03170005, at bridge on Broad Street in Hattiesburg. Drainage area is 8.83 mi ² .	1969-95	4-20-95	12.56	2,040	4-06-83	16.89	6,920
Tallahattah Creek near Waldrop, MS (02473480)	Lat 31°51'40", long 89°05'10", in NW1/4SE1/4 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 Waldrop. Drainage area is 30.4 mi ² .	1965-70+, 1971-95	4-21-95	14.62	1,470	3-03-79	17.20	7,200
Tallahoma Creek tributary at Lake Como, MS (02473850)	Lat 31°57'43", long 89°12'18", on line between SE1/4 sec.31, T.1 N., and NE1/4 sec.6, R.11 E., (revised) Choctaw Meridian, Jasper County, Hydrologic Unit 03170005, at culvert on State Highway 528, 0.5 mi east of Lake Como. Drainage area is 3.21 mi ² .	1966-95	4-21-95	8.21	780	7-13-93	11.49	2,380
Buck Creek near Runnelstown MS (02474650)	Lat 31°21'50", long 89°03'08", Perry County, Hydrologic Unit 03170005, at bridge on State Highway 42, 2.5 mi above mouth and 3.7 mi east of Runnelstown. Drainage area is 20.8 mi ² .	1951-95	4-21-95	<9.14	<1,530	4-03-79	17.93	5,700
Waterfall Branch near McLain, MS (02475050)	Lat 31°07'08", long 88°45'28", in SW1/4NE1/4SE1/4 sec.23, T.2 N.,R.8 W., St. Stephens Meridian, Greene County, Hydrologic Unit 03170005, at culvert on State Highway 57, 4.2 mi east of McLain. Prior to Oct. 1, 1964, at datum 0.72 ft lower. Drainage area is 0.65 mi ² .	1955-95	4-21-95	5.15	153	6-01-59	11.71	764
Souinlovey Creek near Baxter, MS (02477050)	Lat 32°13'10", long 89°09'30", in NE1/4 sec.3, T.4 N., R.11 E., Choctaw Meridian, Jasper County, Hydrologic Unit 03170002, at culvert on State Highway 15, 2.6 mi north of Baxter. Drainage area is 1.14 mi ² .	1965-95	4-21-95	6.54	280	6-24-93	13.56	1,150

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Annual maximum discharge at crest-stage partial-record stations during water year 1995

Station name and number	Location and drainage area	Period of record	Water year 1995 maximum			Period of record maximum		
			Date	Gage height (ft)	Dis- charge (ft ³ /s)	Date	Gage height (ft)	Dis- charge (ft ³ /s)
PASCAGOULA RIVER BASIN--Continued								
Shubuta Creek near Shubuta, MS (02477330)	Lat 31°53'04", long 88°44'20", in NW1/4 sec.35, T.1 N., R.15 E., Choctaw Meridian, Clarke County, Hydrologic Unit 03170002, at county highway 1.5 mi northwest of Shubuta and 5.0 mi above mouth. Drainage area is 75.5 mi ² .	1963-95	3-08-95	14.81	1,730	4-25-73	24.88	12,700
TCHOUTACABOUFFA RIVER BASIN								
Tuxachanie Creek near Biloxi, MS (02480500)	Lat 30°30'35", long 88°54'40", in SE1/4 sec.20, T.6 S., R. 9 W., St. Stephens Meridian Harrison County, Hydrologic Unit 03170009, at bridge on State Highway 15, 7.0 mi north of city limits of Biloxi. Drainage area is 92.4 mi ² .	1952-71+, 1972-95	5-10-95	24.74	32,700	5-10-95	24.74	32,700
BILOXI RIVER BASIN								
Biloxi River near Lyman, MS (02481130)	Lat 30°29'18", long 89°02'09", in SE1/4SE1/4 sec.25, T.6 S., R.11 W., St. Stephens Mer- idian, Harrison County, Hydrologic Unit 03170009, on downstream side of right pier of bridge on county highway, 1.2 mi downstream from Little Biloxi River, 4.6 mi east of Lyman. Drainage area is 251 mi ² .	1965-95	5-10-95	23.95	36,800	5-10-95	23.95	36,800
PEARL RIVER BASIN								
Yockanookany River tributary near McCool, MS (02483890)	Lat 33°10'06", long 89°25'28", in SW1/4 sec.7 T.15 N., R.9 E., Choctaw Meridian, Attala County, Hydrologic Unit 03180001, at culvert on State Highway 12, 4.0 mi southwest of McCool. Drainage area is 0.34 mi ² .	1965-95	4-21-95	3.36	82.0	2-20-91	7.73	540
Coffee Bogue at Ludlow, MS (02484600)	Lat 32°34'25", long 89°43'48", in N1/2 of line between sec.1 and sec.6, T.8 N., R.5 E., Choctaw Meridian, Scott County, Hydrologic Unit 03180002, at bridge on county road, 1.0 mi west of Ludlow. Drainage area is 77.0 mi ² .	1975-95	4-21-95	13.84	4,580	7-04-89	15.93	9,550
Red Cane Creek tributary near Pisgah, MS (02484750)	Lat 32°28'05", long 89°47'55", on line between NE1/4 sec.8 and NW1/4 sec.9, Choctaw Merid- ian, Rankin County, Hydrologic Unit 03180002, at circular culvert on State Highway 43, 4.1 mi east of Pisgah. Drainage area is 0.10 mi ² .	1965-95	4-21-95	5.51	82.0	7-14-93	7.38	143
Fannegusha Creek near Sand Hill, MS (02484760)	Lat 32°30'20", long 89°48'45", in SW1/4 sec.29, T.8 N., R. 5 E., Choctaw Meridian, Rankin Countdy, Hydrologic Unit 03180002, at bridge on county road, 3.9 mi east of Sand Hill. Drainage area is 52.3 mi ² .	1971-95	4-21-95	11.89	4,730	4-12-80	13.35	9,000
Purple Creek at Jackson, MS (02485650)	Lat 32°22'48", long 90°07'19", in NW1/4 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. Drainage area is 6.12 mi ² .	1952-95	4-21-95	13.06	1,850	4-29-53	99.92	2,890

Annual maximum discharge at crest-stage partial-record stations during water year 1995

Station name and number	Location and drainage area	Period of record	Water year 1995 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								
Three Mile Creek at Jackson, MS (02486115)	Lat 32°16'15", long 90°13'00", in NW1/4SE1/4 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 Rail Railroad. Drainage area is 1.05 mi ² .	1962-95	4-21-95	9.88	790	8-30-74	31.52	1,720
Strong River near Puckett, MS (02487300)	Lat 32°03'48", long 89°44'50", in SE1/2SE1/2 sec.26, T.3 N., R.4 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, at State Highway 18, 2.0 mi southeast of Puckett. Drainage area is 248 mi ² .	1955-95	4-24-95	24.22	9,240	4-07-83	26.47	18,600
Copiah Creek near Hazlehurst, MS (02487900)	Lat 31°53'23", long 90°17'10", in SW1/4SE1/4 sec.27, T.1 N., R. 1 W., Choctaw Meridian, Copiah County, Hydrologic Unit 03180003, at bridge on State Highway 28, 6.2 mi east of Hazlehurst. Drainage area is 47.4 mi ² .	1948-65, 1966-68+, 1969-95	3-15-95	14.02	2,750	4-12-80	25.11	32,000
Elmers Draw near Columbia, MS (02489030)	Lat 31°11'58", long 89°57'57", in SE1/4SE1/4NW1/4 sec.26, T.3 N., R.12 E., Washington Meridian, Marion County, Hydrologic Unit 03180004, at U.S. Highway 98, 5.7 mi west of Columbia. Prior to Oct. 1, 1964, at datum 1.12 ft higher. Drainage area is 0.91 mi ² .	1955-95	5-09-95	4.66	135	4-06-83	16.22	1,620
West Hobolochitto Creek near McNeill, MS (02492360)	Lat 30°39'42", long 89°41'10", in NW1/4NE1/4 sec.34,T.4 S., R.17 W., St. Stephens Meridian, Pearl River County, Hydrologic Unit 031800004, at bridge on county road, 3.1 mi west of McNeill. Drainage area is 175 mi ² .	1966-68+, 1969-95	5-09-95	17.85	5,250	1-21-93	23.43	27,800
YAZOO RIVER BASIN								
Hell Creek near New Albany, MS (07267000)	Lat 34°30'55", long 89°03'10", in SW1/4 sec.36, T.6 S., R.2 E., Chickasaw Meridian, Union County, Hydrologic Unit 08030201, at bridge on U.S. Highway 78, 3.0 mi north- west of New Albany, and 4.5 mi above mouth. Drainage area is 27.3 mi ² .	1939-42+, 1952-95	3-05-95	10.57	5,340	12-26-82	13.50	8,420
Cypress Creek near Etta, MS (07268500)	Lat 34°26'30", long 89°17'25", in SE1/4 sec.27, T.7 S., R. 1 W., Chickasaw Meridian, Lafayette County, Hydrologic Unit 08030201, at bridge on State Highway 30, 4.5 mi south- west of Etta, and 5.0 mi above mouth. Prior to Oct. 1, 1964, at datum 10.00 ft higher. Drain- age area is 28.5 mi ² .	1939-42+, 1952-95	3-05-95	13.07	4,200	5-19-83	19.94	11,300

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Annual maximum discharge at crest-stage partial-record stations during water year 1995

Station name and number	Location and drainage area	Period of record	Water year 1995 maximum			Period of record maximum			
			Date	Gage height (ft)	Dis- charge (ft ³ /s)	Date	Gage height (ft)	Dis- charge (ft ³ /s)	
YAZOO RIVER BASIN--Continued									
North Tippah Creek near Ripley, MS (07269000)	Lat 34°44'00", long 89°01'34", in SW1/4 sec.18, T.4 S., R.3 E., Chickasaw Meridian, Tippah County, Hydrologic Unit 08030201, at bridge on State Highway 4, 2.0 mi up- stream from Tippah Creek, and 5.5 mi west of Ripley. Drainage area is 20.0 mi ² .	1939-42+, 1952-85, 1988-95	3-06-95	<8.03	<538	4-12-79	21.60	(†)	
Otocalofa Creek at Water Valley, MS (07274250)	Lat 34°08'26", long 89°38'15", in SW1/4NE1/4 sec.8, T.11 S., R. 4 W., Chickasaw Meridian, Yalobusha County, Hydrologic Unit 08020203, on State High- way 7, 0.9 mi south of Water Valley, and 5.2 mi above mouth. Drainage area is 84.1 mi ² .	1952-95	3-06-95	<19.61	<3,550	5-19-83	28.07	15,900	
Long Creek at Courtland, MS (07275500)	Lat 34°13'40", long 89°56'20", near center of sec.9, T.10 S., R.7 W., Chickasaw Merid- ian, Panola 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. Drainage area is 66.2 mi ² .	1940-43+, 1952-95	3-05-95	20.07	13,600	5-28-54	25.02	38,300	
Long Creek near Cascilla, MS (07285700)	Lat 33°51'40", long 89°59'05", in NE1/4 sec.16, T.23 N., R.3 E., Choctaw Meridian, Talla- hatchie County, Hydrologic Unit 08030205, at culvert on county highway, 1.1 mi east of Cascilla. Drainage area is 1.64 mi ² .	1965-95	7-13-94 2-16-95	10.38 9.95	d1,300 1,220	5-08-84	12.70	1,860	
Fannegusha Creek near Tchula, MS (07287350)	Lat 33°10'00", long 90°10'12", on line between secs.11 and 14, T.15 N., R.1 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08030206, on State Highway 12, east of Tchula. Drainage area is 103 mi ² .	1953-65e, 1968-95	4-23-95	17.92	a8,400	4-26-70	24.54	23,000	
BIG BLACK RIVER BASIN									
Hays Creek tributary No. 1 near Vaiden, MS (07289265)	Lat 33°23'10", long 89°46'07", in SE1/4SW1/4 sec.27, T.18 N., R.5 E., Choctaw Meridian, Carroll County, Hydrologic Unit 08060201, at bridge on U.S. Highway 51, 3.9 mi north of Vaiden. Drainage area is 14.0 mi ² .	1960-74 1976-95	4-23-95	25.78	2,900	12-02-91	26.14	3,540	
Tilda Bogue near Canton, MS (07289600)	Lat 32°39'15", long 90°00'05", in SW1/4 sec.5, T.9 N., R.3 E., Choctaw Meridian, Madison County, Hydrologic Unit 08060202, at bridge on U.S. Highway 51, 3.0 mi north of Canton, and 3.5 mi above mouth. Drainage area is 24.4 mi ² .	1948-95	4-23-95	18.61	4,000	4-29-53	19.00	8,800	
Clear Creek near Bovina, MS (07290005)	Lat 32°21'42", long 90°43'32", in SW1/4 sec.17, T.16 N., R. 5 E., Washington Meridian, Warren County, Hydrologic Unit 08060202, on county road, 1.0 mi northeast of Bovina. Drainage area is 32.0 mi ² .	1953-95	4-21-95	28.31	14,000	4-13-69	30.03	21,000	

Annual maximum discharge at crest-stage partial-record stations during water year 1995

Station name and number	Location and drainage area	Period of record	Water year 1995 maximum			Period of record maximum		
			Date	Gage height (ft)	Dis- charge (ft ³ /s)	Date	Gage height (ft)	Dis- charge (ft ³ /s)
BAYOU PIERRE BASIN								
Clarks Creek near Pattison, MS (07290690)	Lat 31°53'40", long 90°50'40", in lot 35, T.11 N., R.4 E., Washington Meridian, Clai- borne County, Hydrologic Unit 08060203, at bridge on county highway, 1.3 mi above mouth, and 2.5 mi east of Pattison. Drainage area is 75.0 mi ² .	1961-62†, 1963-95	4-23-95	18.92	9,310	4-12-80	27.90	31,000
Little Creek near Fayette, MS (07290830)	Lat 31°40'30", long 91°04'10", in SE1/4 of irregular section 24, T.8 N., R.1 E., Washing- ton Meridian, Jefferson County, Hydrologic Unit 08060204, at culvert on State Highway 33, 2.0 mi south of Fayette. Drainage area is 1.71 mi ² .	1967-95	4-23-95	9.20	700	4-12-74	15.45	1,800
COLES CREEK BASIN								
Coles Creek near Fayette, MS (07290870)	Lat 31°45'55", long 91°11'30", in lot 21, T.9 N., R.1 W., Washington Meridain, Jeffer- son County, Hydrologic Unit 08060204, at bridge on county highway, 0.7 mi below con- fluence of North and South Forks of Coles Creek, and 10.0 mi northwest of Fayette. Drainage area is 257 mi ² .	1961-62†, 1963-95	4-23-95	27.92	36,100	4-12-74	31.96	75,000
HOMOCHITTO RIVER BASIN								
McCall Creek near Lucien (07291250)	Lat 31°30'24", long 90°38'45", in SW1/4 sec.6, T.6 N., R.6 E., Washington Meridian, Frank- lin County, Hydrologic Unit 08060205, at U.S. Highway 84, 0.8 mi east of Lucien. Drainage area is 60.8 mi ² .	1953, 1955-95	4-23-95	<82.36	<6,450	4-13-74	92.70	23,000
THOMPSON CREEK BASIN								
Moore's Branch near Woodville, MS (07373550)	Lat 31°05'20", long 91°14'30", in SE1/4SW1/4 sec.32, T.2 N., 1 W., Washington Meridian, R. Wilkinson County, Hydrologic Unit 08070201, at State High- way 24, 3.3 mi east of Woodville. Prior to Oct. 1, 1964, at datum 0.88 ft lower. Drainage area is 0.21 mi ² .	1955-95	4-23-95	5.29	61.0	3-24-73	9.90	455

† 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.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Special study and miscellaneous sites

Discharge measurements in the following table were made at special study and miscellaneous sites throughout the State.

Discharge measurements made at special study and miscellaneous sites during water year 1995

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
PEARL RIVER BASIN						
02485735 Pearl River at Jackson, MS	Gulf of Mexico	Lat 32°19'53", long 90°07'45", In SE1/4 sec.30, T.6 N., R.2 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, on State Highway 25 at Jackson.	3,134	1969, 1976, 1979-80, 1985, 1991 1994	01-26-95 01-26-95 03-10-95 04-25-95	6,520 6,010 17,700 32,700
HATCHIE RIVER BASIN						
0729310 Tuscumbia River Canal near Corinth, MS	Hatchie River	Lat 34°56'46", long 88°36'42" In SW1/4 SW1/4 sec. 31, T.1 S., R.7 E., Chickasaw Meridian, Alcorn County, Hydrologic Unit 08010207, at Smith Bridge on county road, 4.5 mi west of Corinth.	278	1975, 1991-94	11-15-94 01-05-95	212 186
MISSISSIPPI RIVER MAIN STEM						
07265455 Mississippi River nr Greenville, MS	Gulf of Mexico	Lat 33°17'33", long 91°09'38", 1,126,700 In NW1/4, sec. 24, T.16 S., R.1 W., 5th Principal Meridian, Chicot County, AR,Hydrologic Unit 0803209, on US Highway 82, 1 1/2 mi southwest of Refuge.		----	06-09-95 06-28-95	1,160,000 830,000
YAZOO RIVER BASIN						
07274235 Otoucalofa Creek near Paris, MS	Yocona River	Lat 34°08'56", long 89°26'20", In SE1/4 sec.6, T.11 S., R.2 W., Chickasaw Meridian, Calhoun County, Hydrologic Unit 08030203, on county road, 2.2 mi southeast of Paris.	8.28	1988-94	05-09-95	5.34
07274237 Otoucalofa Creek at Paris, MS	Yocona River	Lat 34°10'11", long 89°27'24", In NW1/4 sec.31, T.10 S., R.2 W., Chickasaw Meridian, Lafayette County, Hydrologic Unit 08030203, on county road, 0.5 mi south of Paris.	21.0	1988-94	05-09-95	14.3
07274245 Otoucalofa Creek near Water Valley, MS	Yocona River	Lat 34°09'30", long 89°31'58", In NE1/4 sec.5, T.11 S., R.3 W., Chickasaw Meridian, Yalobusha County, Hydrologic Unit 08030203, on county road, 4.2 mi east of Water Valley.	46.5	1988-94	05-09-95	36.0
07274247 Otoucalofa Creek near Water Valley, MS	Yocona River	Lat 34°07'49", long 89°35'36", In NW1/4 sec.14, T.11 S., R.4 W., Chickasaw Meridian, Yalobusha County, Hydrologic Unit 08030203, on county road 2.0 mi east-southeast of Water Valley.	74.0	1988-94	05-09-95	59.8
07277530 Hickahala Creek near Looxahoma, MS	Coldwater River	Lat 34°38'29", long 89°48'39", In NE1/4 sec.22, T.5 S., R.6 W., Chickasaw Meridian, Tate County, Hydrologic Unit 08030204, on State Highway 305, 3.0 mi northeast of Looxahoma.	44.7	1988-94	02-15-96 02-16-95 02-16-95	27.9 1,070 315
07277548 James Wolf Creek near Looxahoma, MS	Hickahala Creek	Lat 34°36'06", long 89°49'17", In SE1/4 sec.27, T.5 S., R.6 W., Chickasaw Meridian, Tate County, Hydrologic Unit 08030203, on State Highway 4, 1.0 mi northeast of Looxahoma.	35.2	1970, 1975, 1988-94	02-15-95 02-16-95 02-16-95	11.1 336 111

Discharge measurements made at special study and miscellaneous sites during water year 1995

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
YAZOO RIVER BASIN--Continued						
07277715 Senatobia Creek near Como, MS	Hickahala Creek	Lat 34°33'01", long 89°52'50", In NE1/4 sec.24, T.6 S., R.7 W., Chickasaw Meridian, Panola County, Hydrologic Unit 08030204, on country road, 3.3 mi northeast of Como.	20.4	1988-94	02-15-95 02-16-95 02-16-95	5.28 272 104
07287141 Abiaca Creek near Coila, MS	Yazoo River	Lat 33°20'26", long 89°56'10", In NE1/4NW1/4 sec.13, T.17 N., R.3 E., Choctaw Meridian, Carroll County, Hydrologic Unit 08030206, at County road bridge, 4 miles northeast of Black Hawk, and 5 miles south- east of Coila.	5.64	1992-94	07-05-95 07-06-95	42.6 1.53
07287142 Abiaca Creek near Black Hawk, MS	Yazoo River	Lat 33°19'05", long 89°58'00", In SE1/4SE1/4 sec.27, T.17 N., R.3 E., Choctaw Meridian, Carroll County, Hydrologic Unit 08030206, at State Highway 430 bridge, 2 miles east of Black Hawk.	10.7	1992-94	07-05-95 07-06-95	14.8 3.53
07287144 Abiaca Creek at Black Hawk, MS	Yazoo River	Lat 33°19'15", long 90°00'40", In NE1/4SW1/4 sec.20, T.17 N., R.3 E., Chocataw Meridian, Carroll County Hydrologic Unit 08030206, at State Highway 17 bridge, 0.3 miles south of Black Hawk.	25.8	1992-94	07-05-95 07-06-95	107 15.7
07287147 Coila Creek at Seven Pines, MS	Yazoo River	Lat 33°22'08", long 90°05'20", In NE1/4NE1/4, sec.4, T.17 N., R.2 E., Choctaw Meridian, Carroll County, Hydrologic Unit 08030206, at bridge on State Highway 430, 0.4 miles southeast of Seven Pines.	39.8	1992-94	07-05-95 07-06-95	174 74.4
07287330 Fannegusha Creek near Ituma, MS	Yazoo River	Lat 33°13'35", long 90°02'30", In NE1/4 sec.25, T.16 N., R.2 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08030206, on State Highway 17, 3.7 mi east of Ituma.	39.8	1988-94	08-04-95	7.63
07287375 Black Creek at Bowling Green, MS	Yazoo River	Lat 33°09'37", long 89°57'24", In SW1/4 sec.11, T.15 N., R.3 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08030206, on county road, 2.4 mi west of Bowling Green.	28.2	1988-94	08-03-95 08-04-95	6.16 14.9
07287405 Black Creek at Howard, MS	Yazoo River	Lat 33°07'11", long 90°11'28", In SW1/4 sec.27, T.15 N., R.1 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08030206, on county road, 0.2 mi south of Howard.	178	1988-94	08-03-95 08-04-95 08-05-95	50.6 273 148
TANGIPAOHA RIVER BASIN						
07375243.10 Little Tangipahoa River at U.S.Hwy 51 at McComb, MS	Tangipohoa River	Lat 30°12'04", long 90°27'10", In NW1/4 sec.25, T.3 N., R.7 E., Washington Meridian, Pike County, Hydrologic Unit 08070205, on U.S. Highway, 51, 0.8 mi north of Fernwood.	13.3	----	06-27-95	3.58

Water-quality partial-record stations and miscellaneous sites are locations where chemical-quality, biological, and (or) sediment data are collected once only, intermittently, or systematically but on limited frequency over a period of years for use in hydrologic analyses.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

MOBILE RIVER BASIN

02430690 TWENTYMILE CREEK NEAR MANTACHIE, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
OCT 17...	1155	12	63	2.0	JUN 19...	1310	25	52	3.5
DEC 20...	1505	82	46	10	JUL 27...	1020	5.8	24	0.38
JAN 30...	1250	124	53	18	SEP 05...	1100	1.9	31	0.16
MAY 16...	0915	234	85	54					

02431410 MANTACHIE CREEK BELOW DORSEY, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
OCT 17...	1005	15	35	1.4	MAR 06...	2030	931	158	397
NOV 14...	1550	26	37	2.6	06...	2330	1250	3000	10100
DEC 20...	1250	44	35	4.2	07...	0300	5370	2660	38600
JAN 31...	1730	61	53	8.7	07...	0630	3560	1160	11100
FEB 15...	2300	69	705	131	07...	0730	2760	1010	7530
16...	0350	1530	6120	25300	APR 04...	1515	32	43	3.7
16...	0730	6120	2440	40300	MAY 16...	1315	26	39	2.7
16...	1200	3250	1250	11000	JUN 19...	1530	10	26	0.70
16...	1305	2750	1230	9130	JUL 27...	1235	6.3	15	0.26
					SEP 05...	1435	5.3	12	0.17

02437500 TOMBIGBEE RIVER AT ABERDEEN, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
MAR 07...	1015	25900	318	22200	JUN 20...	0945	1320	29	103
07...	1315	29000	731	57200	JUL 27...	1645	1220	24	79
08...	1330	69600	1020	192000					
09...	1030	51800	379	53000					
09...	1415	49600	392	52500					

02441400 TOMBIGBEE RIVER NEAR COLUMBUS, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
DEC 19...	1320	4970	57	765	JUL 28...	0915	1210	19	62
JUN 20...	1345	1350	27	98					

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

PEARL RIVER BASIN

320443089594800 UNNAMED CREEK NEAR PINEY WOODS, MS

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
DEC 02...	1135	61	6.0	11.0	5	8.6	100	K25	1.8
DATE		MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	ALKA- LINITY WAT DIS TOT IT DIS- FIELD (MG/L AS CACO3) (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)
DEC 02...	1.3	5.9	0.40	8	6	4.4	9.4	<0.10	
DATE		SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L AS SIO2) (70300)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
DEC 02...	15	32	<0.010	<0.020	0.010	0.020	220	36	

320254089593135 BLUE LAKE AT PINEY WOODS, MS

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
DEC 02...	1215	217	6.5	14.0	5	8.2	K60	K15	11
DATE		MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	ALKA- LINITY WAT DIS TOT IT DIS- FIELD (MG/L AS CACO3) (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)
DEC 02...	3.3	20	1.4	6	5	35	34	<0.10	
DATE		SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L AS SIO2) (70300)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
DEC 02...	3.0	106	<0.010	<0.020	0.030	0.010	95	180	

320249089595335 MAIN LAKE AT PINEY WOODS, MS

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
DEC 02...	1255	136	6.8	14.5	5	8.6	K5	K10	6.6
DATE		MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	ALKA- LINITY WAT DIS TOT IT DIS- FIELD (MG/L AS CACO3) (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)
DEC 02...	2.1	12	1.0	10	8	16	21	<0.10	
DATE		SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L AS SIO2) (70300)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
DEC 02...	2.6	60	<0.010	<0.020	0.030	0.010	230	360	

WATER-QUALITY DATA FOR PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

YAZOO RIVER BASIN

332105090301500 BROWNS BAYOU TRIBUTARY NUMBER 1 NEAR INVERNESS, MS

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH FIELD (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	NITROGEN, NITRITE (MG/L)	NITROGEN, NO2+NO3 (MG/L)	NITROGEN, AMMONIA (MG/L)	NITROGEN, MONIA + ORGANIC (MG/L)	PHOSPHORUS, ORTHO (MG/L)	PHOSPHORUS, DIS-ORGANIC (MG/L)	CARBON, TOTAL (MG/L)
AUG 05...	2000	54	7.2	26.0	6.6	0.020	0.960	0.080	1.1	0.370	0.110	4.8
DATE		ACETO-CHLOR, WATER, FLTRD, REC (UG/L)	ALA-CHLOR, WATER, FLTRD, REC (UG/L)	2,6-DI-ETHYL ANILINE, WAT FLT, DISS, GF, REC (UG/L)	DEETHYL ATRA-ZINE, WATER, FLTRD, REC (UG/L)	METHYL AZIN- PHOS, WAT FLT, GF, REC (UG/L)	BEN-FLUR-ALIN, WAT FLD, GF, REC (UG/L)	ALPHA BHC, DIS- SOLVED, (UG/L)	BUTYL-ATE, WATER, FLTRD, REC (UG/L)	CAR-BARYL, WATER, FLTRD, REC (UG/L)	CARBO-FURAN, WATER, FLTRD, REC (UG/L)	CHLOR-PYRIFOS, DIS- SOLVED, (UG/L)
AUG 05...	<0.002	<0.002	<0.003	0.016	<0.002	<0.001	<0.002	<0.002	<0.002	<0.003	E4.10	<0.004
DATE		CYANA-ZINE, WATER, DISS, REC (UG/L)	DCPA WATER, 0.7 U, GF, REC (UG/L)	P,P' DDE, DISSOLV (UG/L)	DI-AZINON, DIS- SOLVED, (UG/L)	DI-ELDRIN, DIS- SOLVED, (UG/L)	DISUL-FOTON, WATER, FLTRD, GF, REC (UG/L)	EPTC, WATER, FLTRD, GF, REC (UG/L)	ETHAL-FLUR-ALIN, WAT FLT, GF, REC (UG/L)	ETHO-PROP, WATER, FLTRD, GF, REC (UG/L)	FONOFOS, DISS, REC (UG/L)	LINDANE, DIS- SOLVED, (UG/L)
AUG 05...	<0.004	<0.002	<0.006	<0.002	<0.001	<0.017	<0.002	<0.004	<0.003	<0.003	<0.004	
DATE		LIN-URON, WATER, FLTRD, 0.7 U, GF, REC (UG/L)	MALA-THION, DIS- SOLVED, (UG/L)	METO-LACHLOR, WATER, DISSOLV (UG/L)	METRI-BUZIN, SENCOR, WATER, DISSOLV (UG/L)	MOL-INATE, WATER, FLTRD, GF, REC (UG/L)	NAPPROP-AMIDE, WATER, FLTRD, GF, REC (UG/L)	PARA-THION, WAT FLT, DIS- SOLVED, (UG/L)	METHYL PARA-THION, WAT FLT, GF, REC (UG/L)	PEB-ULATE, WATER, FLTRD, GF, REC (UG/L)	PENDI-ALIN, WAT FLT, GF, REC (UG/L)	PER-METHRIN, CIS, WAT FLT, GF, REC (UG/L)
AUG 05...	<0.087	<0.005	<0.036	<0.004	<0.004	<0.003	<0.004	<0.004	<0.004	<0.004	<0.005	
DATE		PHORATE, WATER, FLTRD, 0.7 U, GF, REC (UG/L)	PRO-METON, WATER, FLTRD, 0.7 U, REC (UG/L)	PRON-AMIDE, WATER, FLTRD, 0.7 U, GF, REC (UG/L)	PANIL, WATER, FLTRD, 0.7 U, GF, REC (UG/L)	PARGITE, WATER, FLTRD, 0.7 U, GF, REC (UG/L)	PROP-CHLOR, WATER, DISS, REC (UG/L)	SI-MAZINE, WATER, DISS, REC (UG/L)	TEBU-THIURON, FLTRD, GF, REC (UG/L)	TER-BACIL, WATER, FLTRD, 0.7 U, GF, REC (UG/L)	TER-BUPOS, WATER, FLTRD, 0.7 U, GF, REC (UG/L)	THIO-BENCARB, WATER, FLTRD, 0.7 U, GF, REC (UG/L)
AUG 05...	<0.002	<0.018	<0.003	<0.004	<0.013	<0.007	<0.052	<0.010	<0.007	<0.013	<0.002	
DATE		TRIAL-LATE, WATER, FLTRD, 0.7 U, GF, REC (UG/L)	TRI-FLUR-ALIN, WAT FLT, GF, REC (UG/L)	2,4-D, DIS- SOLVED, (UG/L)	2,4-DB, FLTRD, GF 0.7U, REC (UG/L)	2,4,5-T, DIS- SOLVED, (UG/L)	ACIFL-UORFEN, WATER, FLTRD, GF 0.7U, REC (UG/L)	ALDI-CARB, WATER, FLTRD, GF 0.7U, REC (UG/L)	ALDI-CARB, SULFONE, WAT,FLT, GF 0.7U, REC (UG/L)	ALDICA-RB SUL-FOXIDE, WAT,FLT, GF 0.7U, REC (UG/L)	CHLOR-AMBN, WATER, FLTRD, GF 0.7U, REC (UG/L)	BENTA-ZON, WATER, FLTRD, GF 0.7U, REC (UG/L)
AUG 05...	<0.001	<0.065	<0.013	<0.013	<0.013	<0.008	<0.016	<0.016	<0.021	<0.011	<0.014	
DATE		BRO-MACIL, WATER, FLTRD, DISS, REC (UG/L)	BRO-MOXYNIL, WATER, FLTRD, GF 0.7U, REC (UG/L)	CAR-BARYL, WATER, FLTRD, GF 0.7U, REC (UG/L)	CARBO-FURAN, WATER, FLTRD, GF 0.7U, REC (UG/L)	3HYDRXY CARBO-FURAN, WAT,FLT, GF 0.7U, REC (UG/L)	CHLORO-THALO-NIL, WAT,FLT, GF 0.7U, REC (UG/L)	CLOPYR-ALID, WATER, FLTRD, GF 0.7U, REC (UG/L)	DACTHAL, MONO-ACID, WAT,FLT, GF 0.7U, REC (UG/L)	DICAMBA, FLTRD, GF 0.7U, REC (UG/L)	DICHLO-BENIL, WATER, FLTRD, GF 0.7U, REC (UG/L)	DICHLO-PROP, WATER, FLTRD, GF 0.7U, REC (UG/L)
AUG 05...	<0.011	<0.012	<0.008	E2.40	<0.014	<0.007	<0.050	<0.017	<0.011	<0.020	<0.032	
DATE		DNOC WAT,FLT GF 0.7U, REC (UG/L)	DINOSEB, WATER, FLTRD, GF 0.7U, REC (UG/L)	DIURON, WATER, FLTRD, GF 0.7U, REC (UG/L)	ESFEN-VAL-ERATE, WAT,FLT, GF 0.7U, REC (UG/L)	FEN-URON, WATER, FLTRD, GF 0.7U, REC (UG/L)	FLUO-METURON, WATER, FLTRD, GF 0.7U, REC (UG/L)	LINURON, WATER, FLTRD, GF 0.7U, REC (UG/L)	MCPA, WATER, FLTRD, GF 0.7U, REC (UG/L)	MCPB, WATER, FLTRD, GF 0.7U, REC (UG/L)	METHIO-CARB, WATER, FLTRD, GF 0.7U, REC (UG/L)	METH-OMYL, WATER, FLTRD, GF 0.7U, REC (UG/L)
AUG 05...	<0.006	<0.010	32.0	<0.019	<0.013	E6.70	<0.006	<0.014	<0.010	<0.026	<0.017	
DATE		1-NAPH THOL, WATER, FLTRD, GF 0.7U, REC (UG/L)	NEB-URON, WATER, FLTRD, GF 0.7U, REC (UG/L)	NORFLUR AZON, WATER, FLTRD, GF 0.7U, REC (UG/L)	ORY-ZALIN, WATER, FLTRD, GF 0.7U, REC (UG/L)	OXAMYL, WATER, FLTRD, GF 0.7U, REC (UG/L)	PIC-LORAM, WATER, FLTRD, GF 0.7U, REC (UG/L)	PRO-PHAM, WATER, FLTRD, GF 0.7U, REC (UG/L)	PRO-POKUR, WATER, FLTRD, GF 0.7U, REC (UG/L)	SILVEX, DIS- SOLVED, (UG/L)	TRI-CLOPYR, WAT,FLT, GF 0.7U, REC (UG/L)	SEDI-MENT, SUS- PENDED, (MG/L)
AUG 05...	<0.007	<0.015	0.540	<0.019	<0.018	<0.050	<0.011	<0.008	<0.021	<0.050	1930	

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

YAZOO RIVER BASIN--Continued

0728862211 BROWNS BAYOU NEAR INVERNESS, MS

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L) AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L) AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS ORTHOPHOS- PHATE SOLVED (MG/L) AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
AUG 05...	2030	207	7.5	27.0	4.3	0.030	0.560	0.310	2.0	0.430	0.100	8.4
DATE		ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA- CHLOR, WATER FLTRD REC (UG/L) (46342)	2,6-DI- ETHYL ANILINE WAT FLT DIS- GF, REC (UG/L) (82660)	ATRA- ZINE, WATER, FLTRD REC (UG/L) (39632)	DEETHYL METHYL AZIN- PHOS WAT FLT DIS- GF, REC (UG/L) (82686)	BEN- FLUR- ALIN WAT FLD DIS- GF, REC (UG/L) (82673)	ALPHA BHC WATER, FLTRD REC (UG/L) (34253)	BUTYL- ATE, WATER, FLTRD REC (UG/L) (04028)	CAR- BARYL WATER FLTRD GF, REC (UG/L) (82680)	CARBO- FURAN WATER FLTRD GF, REC (UG/L) (82674)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)
AUG 05...	<0.002	<0.002	<0.003	<0.001	<0.002	E0.110	<0.002	<0.002	<0.002	<0.003	E0.054	<0.004
DATE		CYANA- ZINE, WATER, FLTRD REC (UG/L) (04041)	DCPA WATER FLTRD GF, REC (UG/L) (82682)	P,P' DDE DISSOLV (UG/L) (34653)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	DISUL- FOTON WATER FLTRD GF, REC (UG/L) (82677)	EPTC WATER FLTRD GF, REC (UG/L) (82668)	ETHAL- FLUR- ALIN WAT FLT GF, REC (UG/L) (82663)	ETHO- PROP WATER FLTRD GF, REC (UG/L) (82672)	FONOFOS WATER FLTRD REC (UG/L) (04095)	LINDANE DIS- SOLVED (UG/L) (39341)
AUG 05...	E2.20	<0.002	<0.006	<0.002	<0.001	0.013	<0.002	<0.004	<0.003	<0.003	<0.004	
DATE		LIN- URON WATER FLTRD GF, REC (UG/L) (82666)	MALA- THION, WATER FLTRD GF, REC (UG/L) (39532)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN WATER DISSOLV (UG/L) (82630)	MOL- INATE WATER FLTRD GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD GF, REC (UG/L) (82684)	PARA- THION, WAT FLT DIS- SOLVED (UG/L) (39542)	METHYL PARA- THION WAT FLT GF, REC (UG/L) (82667)	PEB- ULATE WATER FLTRD GF, REC (UG/L) (82669)	PENDI- METH- ALIN WAT FLT GF, REC (UG/L) (82683)	PER- METHRIN CIS WAT FLT GF, REC (UG/L) (82687)
AUG 05...	<0.002	<0.005	0.170	<0.004	0.750	<0.003	<0.004	0.240	<0.004	0.061	<0.005	
DATE		PHORATE WATER FLTRD GF, REC (UG/L) (82664)	PRO- METON, WATER, FLTRD GF, REC (UG/L) (04037)	PRON- AMIDE WATER FLTRD GF, REC (UG/L) (82676)	PRO- PANIL WATER FLTRD GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLTRD GF, REC (UG/L) (82685)	PROP- CHLOR, WATER, FLTRD GF, REC (UG/L) (04024)	SI- MAZINE, WATER, FLTRD GF, REC (UG/L) (04035)	TEBU- THIURON WATER FLTRD GF, REC (UG/L) (82670)	TER- BACIL WATER FLTRD GF, REC (UG/L) (82665)	TER- BUFOS WATER FLTRD GF, REC (UG/L) (82675)	THIO- BENCARB WATER FLTRD GF, REC (UG/L) (82681)
AUG 05...	<0.002	<0.018	<0.003	<0.004	<0.013	<0.007	0.021	<0.010	<0.007	<0.013	<0.002	
DATE		TRIAL- LATE WATER FLTRD GF, REC (UG/L) (82678)	TRI- FLUR- ALIN WAT FLT GF, REC (UG/L) (82661)	2,4-DB WATER, FLTRD GF, REC (UG/L) (39732)	2,4-DB WATER, FLTRD GF, REC (UG/L) (38746)	2,4,5-T DIS- SOLVED (UG/L) (39742)	ACIFL- UORFEN WATER, FLTRD GF, REC (UG/L) (49315)	ALDI- CARB, WATER, FLTRD GF, REC (UG/L) (49312)	ALDI- CARB, SULFONE WAT,FLT GF, REC (UG/L) (49313)	ALDICA- RB SUL- FOXIDE, WAT,FLT GF, REC (UG/L) (49314)	CHLOR- AMBEN, WATER, FLTRD GF, REC (UG/L) (49307)	BENTA- ZON, WATER, FLTRD GF, REC (UG/L) (38711)
AUG 05...	<0.001	0.031	<0.013	<0.013	<0.013	<0.008	<0.016	<0.016	<0.021	<0.011	<0.014	
DATE		BRO- MACIL, WATER, FLTRD GF, REC (UG/L) (04029)	BRO- MOXYNIL WATER, FLTRD GF, REC (UG/L) (49311)	CAR- BARYL, WATER, FLTRD GF, REC (UG/L) (49310)	CARBO- FURAN, WATER, FLTRD GF, REC (UG/L) (49309)	3HYDRXY CARBO- FURAN WAT,FLT GF, REC (UG/L) (49308)	CHLORO- THALO- NIL, WAT,FLT GF, REC (UG/L) (49306)	CLOPYR- ALID, WATER, FLTRD GF, REC (UG/L) (49305)	DACTHAL MONO- ACID, WAT,FLT GF, REC (UG/L) (49304)	DICAMBA WATER, FLTRD GF, REC (UG/L) (38442)	DICHLOR- BENIL, WATER, FLTRD GF, REC (UG/L) (49303)	DICHLOR PROP, WATER, FLTRD GF, REC (UG/L) (49302)
AUG 05...	<0.011	<0.012	<0.008	<0.028	<0.014	<0.007	<0.050	<0.017	<0.011	<0.020	<0.032	
DATE		DNOC WAT,FLT GF 0.7U REC (UG/L) (49299)	DINOSEB WATER, FLTRD GF 0.7U REC (UG/L) (49301)	DIURON, WATER, FLTRD GF 0.7U REC (UG/L) (49300)	ESFEN- VAL- ERATE, WAT,FLT GF 0.7U REC (UG/L) (49298)	FEN- URON, WATER, FLTRD GF 0.7U REC (UG/L) (49297)	FLUO- METURON WATER, FLTRD GF 0.7U REC (UG/L) (38811)	LINURON WATER, FLTRD GF 0.7U REC (UG/L) (38478)	MCPA, WATER, FLTRD GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD GF 0.7U REC (UG/L) (38487)	METHIO- CARB, WATER, FLTRD GF 0.7U REC (UG/L) (38501)	METH- OMYL, WATER, FLTRD GF 0.7U REC (UG/L) (49296)
AUG 05...	<0.006	<0.010	11.0	<0.019	<0.013	E3.20	<0.006	<0.014	<0.010	<0.026	<0.017	
DATE		1-NAPH THOL, WATER, FLTRD GF 0.7U REC (UG/L) (49295)	NEB- URON, WATER, FLTRD GF 0.7U REC (UG/L) (49294)	NORFLUR WATER, FLTRD GF 0.7U REC (UG/L) (49293)	ORY- ZALIN, WATER, FLTRD GF 0.7U REC (UG/L) (49292)	OXAMYL, WATER, FLTRD GF 0.7U REC (UG/L) (38866)	PIC- LORAM, WATER, FLTRD GF 0.7U REC (UG/L) (49291)	PRO- PHAM, WATER, FLTRD GF 0.7U REC (UG/L) (49236)	PRO- POKUR, WATER, FLTRD GF 0.7U REC (UG/L) (38538)	SILVEX, DIS- SOLVED (UG/L) (39762)	TRI- CLOPYR, WATER, FLTRD GF 0.7U REC (UG/L) (49235)	SEDI- MENT, SUS- PENDE (MG/L) (80154)
AUG 05...	<0.007	<0.015	0.950	<0.019	<0.018	<0.050	<0.011	<0.008	<0.021	<0.050	2320	

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

Short-term water-quality studies were conducted on selected stream reaches and estuaries to collect water-quality data for use in hydrologic analyses. Data for estuary studies generally are collected once or twice daily at near high and near low tides.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

PASCAGOULA RIVER BASIN

PASCAGOULA AND ESCATAWPA RIVERS STUDY

02479340 PASCAGOULA RIVER AT MILE 17.3 NEAR COLL TOWN, MS

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
SEP						
04...	1901	1.0	108	6.8	30.5	6.0
04...	1902	5.0	107	6.7	30.5	5.9
04...	1903	10.0	106	6.7	30.5	5.9
04...	1904	15.0	98	6.7	30.5	5.8
05...	0851	1.0	122	6.8	30.5	5.5
05...	0852	5.0	118	6.8	30.5	5.5
05...	0853	10.0	114	6.8	30.5	5.5
05...	0854	15.0	105	6.7	30.5	5.4
05...	0855	17.0	100	6.7	30.5	5.4

DATE	TIME	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
SEP			
04...	1900	K7	170
05...	0850	K20	260

303048088355800 PASCAGOULA RIVER AT MILE 17

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
SEP						
04...	1852	1.0	107	6.8	30.5	6.6
04...	1853	5.0	100	6.8	30.5	6.7
04...	1854	10.0	112	6.8	30.5	6.6
04...	1855	15.0	116	6.7	30.5	6.5
05...	0841	1.0	115	6.9	30.0	5.4
05...	0842	5.0	107	6.8	30.0	5.3
05...	0843	10.0	119	6.8	30.0	5.3
05...	0844	15.0	116	6.8	30.0	5.3

303044088353000 PASCAGOULA RIVER AT MILE 16

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
SEP						
04...	1846	1.0	397	6.7	30.5	7.2
04...	1847	5.0	729	6.7	30.5	6.8
04...	1848	10.0	996	6.7	31.0	6.6
04...	1849	15.0	6800	6.6	31.0	3.5
05...	0835	1.0	365	7.1	30.0	5.3
05...	0836	5.0	334	7.0	30.0	5.2
05...	0837	10.0	353	6.9	30.0	5.2
05...	0838	15.0	383	6.9	30.0	5.1
05...	0839	17.0	5610	6.6	30.0	2.4

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

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PASCAGOULA RIVER BASIN--Continued

PASCAGOULA AND ESCATAWPA RIVERS STUDY--Continued

303018088351800 PASCAGOULA RIVER AT MILE 15

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
SEP						
04...	1842	1.0	1890	7.1	31.0	6.5
04...	1843	5.0	2080	7.0	31.0	6.4
04...	1844	10.0	4360	6.8	31.0	5.9
05...	0828	1.0	1030	6.9	30.0	5.2
05...	0829	5.0	1210	6.9	30.0	5.0
05...	0830	10.0	7230	6.7	30.5	4.0
05...	0831	15.0	21900	6.7	30.5	1.5
05...	0832	17.0	21200	6.8	30.5	1.2

302954088344000 PASCAGOULA RIVER AT MILE 14

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
SEP						
04...	1836	1.0	4100	7.2	31.0	5.3
04...	1837	5.0	4710	7.1	31.0	5.1
04...	1838	10.0	5480	7.0	31.0	4.8
04...	1839	15.0	9300	6.9	31.0	4.0
04...	1840	16.0	11500	6.9	31.0	4.3
05...	0822	1.0	2160	7.2	30.0	5.1
05...	0823	5.0	2220	7.1	30.0	5.0
05...	0824	10.0	26800	6.9	30.5	1.9
05...	0825	15.0	23000	6.9	30.5	0.3
05...	0826	17.0	29500	7.0	30.5	0.1

02479341 PASCAGOULA RIVER AT MILE 13 NEAR COLL TOWN, MS

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
SEP						
04...	1831	1.0	7360	7.0	31.0	4.7
04...	1832	5.0	7690	7.0	31.0	4.6
04...	1833	10.0	13300	6.9	31.0	4.0
04...	1834	12.0	15000	7.0	31.0	3.7
05...	0817	1.0	3710	7.1	30.0	4.9
05...	0818	5.0	12500	7.1	30.5	3.5
05...	0819	10.0	31200	7.1	30.5	0.2
05...	0820	12.0	30000	7.1	30.5	0.1

02479342 PASCAGOULA RIVER AT MILE 12 NEAR COLL TOWN, MS

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
SEP						
04...	1823	1.0	8000	7.2	30.0	6.5
04...	1824	5.0	9300	7.1	30.5	5.3
04...	1825	10.0	19900	7.0	30.5	1.5
04...	1826	15.0	29700	7.1	30.5	0.2
04...	1827	20.0	31000	7.2	30.5	0.1
04...	1828	25.0	32500	7.2	30.5	0.1
04...	1829	28.0	32500	7.2	30.5	0.1
05...	0807	1.0	6670	7.0	29.0	3.2
05...	0808	5.0	17400	7.1	30.5	3.2
05...	0809	10.0	28000	7.2	30.5	1.5
05...	0810	15.0	30400	7.2	30.5	0.5
05...	0811	20.0	31500	7.2	30.5	0.1
05...	0812	25.0	32000	7.2	30.5	0.1
05...	0813	30.0	32000	7.2	30.5	0.1
05...	0814	35.0	33000	7.2	30.5	<0.1
05...	0815	36.0	32800	7.2	30.5	<0.1

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

PASCAGOULA RIVER BASIN--Continued

PASCAGOULA AND ESCATAWPA RIVERS STUDY--Continued

302822088332500 PASCAGOULA RIVER AT MILE 11

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
SEP						
04...	1817	1.0	9200	7.2	30.0	5.5
04...	1818	5.0	9820	7.1	30.5	5.1
04...	1819	10.0	25900	7.0	30.5	1.3
04...	1820	15.0	29800	7.1	30.5	1.4
04...	1821	20.0	31500	7.2	30.5	0.2
05...	0759	1.0	10500	7.2	29.0	4.6
05...	0800	5.0	17800	7.1	30.0	3.1
05...	0801	10.0	29300	7.3	30.5	1.3
05...	0802	15.0	30700	7.3	30.5	0.7
05...	0803	20.0	30000	7.3	30.5	0.6
05...	0804	25.0	30900	7.3	30.5	0.5
05...	0805	28.0	30700	7.2	30.5	0.4

302725088333700 PASCAGOULA RIVER AT MILE 10

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
SEP						
04...	1811	1.0	9760	7.1	30.5	5.6
04...	1812	5.0	10000	7.1	30.5	5.6
04...	1813	10.0	25000	7.0	30.5	1.5
04...	1814	15.0	31500	7.5	30.5	0.4
04...	1815	20.0	31200	7.2	30.5	0.2
05...	0753	1.0	11100	7.3	29.0	4.8
05...	0754	5.0	25100	7.2	30.0	3.1
05...	0755	10.0	30300	7.3	30.5	1.5
05...	0756	15.0	31500	7.4	30.5	1.2
05...	0757	18.0	31700	7.4	30.5	1.1

302648088340600 PASCAGOULA RIVER AT MILE 9

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
SEP						
04...	1805	1.0	11800	7.0	30.0	6.4
04...	1806	5.0	11900	7.0	30.5	6.1
04...	1807	10.0	16100	7.0	30.5	4.6
04...	1808	15.0	30300	7.2	30.5	1.2
05...	0745	1.0	11400	7.2	29.0	4.8
05...	0746	5.0	21200	7.1	29.0	3.8
05...	0747	10.0	31000	7.5	30.5	2.1
05...	0748	15.0	32100	7.5	30.5	1.8
05...	0749	20.0	32900	7.5	30.5	1.6
05...	0750	25.0	32800	7.5	30.5	1.6
05...	0751	26.0	32600	7.5	30.5	1.6

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

PASCAGOULA RIVER BASIN--Continued

PASCAGOULA AND ESCATAWPA RIVERS STUDY--Continued

02479343 PASCAGOULA RIVER AT MILE 8 NEAR ESCATAWPA, MS

				PH							
				SPE- CIFIC	WATER						
				CON- DUCT- ANCE	WHOLE FIELD (STAND- ARD	TEMPER- ATURE WATER		OXYGEN, DIS- SOLVED			
				(US/CM)	(UNITS)	(DEG C)		(MG/L)			
				(00003)	(00095)	(00010)		(00300)			
SEP											
04...		1756	1.0	13600	7.2	30.5	5.2				
04...		1757	5.0	15700	7.2	30.5	4.8				
04...		1758	10.0	26700	7.2	30.5	1.8				
04...		1759	15.0	32000	7.3	30.5	0.9				
04...		1800	20.0	34000	7.4	30.5	0.9				
05...		0731	1.0	20400	7.2	29.0	4.1				
05...		0732	5.0	26500	7.5	29.0	3.8				
05...		0733	10.0	31200	7.6	29.5	3.2				
05...		0734	15.0	35800	7.7	30.0	2.6				
05...		0735	17.0	36600	7.7	30.0	2.5				
		OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
SEP											
04...	1755	--	170	860	0.010	0.060	0.160	0.50	0.070	0.050	9.1
05...	0730	1.2	K73	160	0.010	0.040	0.100	0.50	0.070	0.050	8.7

302526088333600 PASCAGOULA RIVER AT MILE 7

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
SEP						
04...	1747	1.0	15300	7.4	30.0	5.2
04...	1748	5.0	18000	7.3	30.5	4.5
04...	1749	10.0	28000	7.3	30.5	2.3
04...	1750	14.0	31500	7.4	30.5	1.7
05...	0725	1.0	17400	7.5	28.0	4.9
05...	0726	5.0	30300	7.6	29.5	3.5
05...	0727	10.0	38600	7.9	30.0	2.8
05...	0728	15.0	40000	7.9	30.5	2.6

02480170 ESCATAWPA RIVER AT MILE 14 NEAR ORANGE GROVE, MS

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
				WATER WHOLE FIELD (STANDARD ARD UNITS) (00400)		
SEP						
05...	1127	1.0	42	6.2	27.5	5.6
05...	1128	5.0	44	6.9	27.0	5.5
05...	1129	10.0	38	6.9	27.0	5.4
	DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS. / 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)		
SEP						
05...	1126		120	160		

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

PASCAGOULA RIVER BASIN--Continued

PASCAGOULA AND ESCATAWPA RIVERS STUDY--Continued

02480180 ESCATAWPA RIVER AT MILE 13 NEAR ORANGE GROVE, MS

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
SEP						
04...	2201	1.0	48	6.7	27.5	6.3
04...	2202	5.0	53	6.3	27.5	6.1
04...	2203	10.0	52	6.3	27.5	6.1
04...	2204	15.0	66	6.2	27.5	6.1
04...	2205	20.0	56	6.2	27.5	6.1
04...	2206	25.0	56	6.2	27.5	6.0
05...	1117	1.0	107	6.8	28.0	5.6
05...	1118	5.0	119	6.5	28.0	5.3
05...	1119	10.0	1660	6.2	27.5	4.7
05...	1120	13.0	2200	6.1	28.0	4.4

DATE	TIME	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
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SEP
04... 2200 280 340

302715088270700 ESCATAWPA RIVER AT MILE 12

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
SEP						
04...	2145	1.0	450	6.7	27.5	6.1
04...	2146	5.0	480	6.5	28.0	5.9
04...	2147	10.0	918	6.4	28.0	5.7
04...	2148	15.0	14600	6.2	28.5	2.2
04...	2149	19.0	24000	6.6	29.5	0.1
05...	1110	1.0	543	6.5	28.5	5.4
05...	1111	5.0	2070	6.4	28.0	4.7
05...	1112	10.0	5740	6.2	28.0	4.3
05...	1113	15.0	14700	6.3	28.5	2.0
05...	1114	19.0	21400	6.5	29.5	0.2

302628088271000 ESCATAWPA RIVER AT MILE 11

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
SEP						
04...	2135	1.0	1920	6.5	28.0	5.9
04...	2136	5.0	1900	6.4	28.0	5.6
04...	2137	10.0	2130	6.3	28.0	5.4
04...	2138	15.0	18900	6.5	29.5	0.3
04...	2139	18.0	26700	6.7	29.5	0.1
05...	1100	1.0	1270	6.7	28.0	5.3
05...	1101	5.0	5810	6.4	28.0	4.6
05...	1102	10.0	7850	6.4	29.0	3.9
05...	1103	15.0	21700	6.5	29.5	0.8
05...	1104	16.0	23200	6.6	29.5	0.2

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

PASCAGOULA RIVER BASIN--Continued

PASCAGOULA AND ESCATAWPA RIVERS STUDY--Continued

02480181 ESCATAWPA RIVER NEAR ORANGE GROVE, MS

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
SEP						
04...	2130	1.0	3520	6.6	28.5	5.5
04...	2131	5.0	4090	6.5	28.5	5.2
04...	2132	10.0	5050	6.4	28.5	4.7
04...	2133	15.0	7130	6.5	28.5	3.5
05...	1055	1.0	2860	6.7	28.0	5.3
05...	1056	5.0	6230	6.5	28.5	4.4
05...	1057	10.0	8730	6.5	29.0	3.7
05...	1058	15.0	11500	6.5	29.5	2.9
05...	1059	17.0	13600	6.6	29.5	2.2

02480182 ESCATAWPA RIVER AT MILE 10 NEAR MOSS POINT, MS

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
SEP						
04...	2116	1.0	4460	6.9	28.0	5.4
04...	2117	5.0	4830	6.7	28.5	5.0
04...	2118	10.0	5200	6.6	28.5	4.9
04...	2119	13.0	6180	6.5	29.0	4.3
05...	1045	1.0	3780	6.8	28.5	5.1
05...	1046	5.0	5770	6.6	28.5	4.5
05...	1047	10.0	8200	6.6	28.5	3.9
05...	1048	15.0	13100	6.6	29.5	3.1
05...	1049	16.0	13100	6.6	29.5	2.9

02480183 ESCATAWPA RIVER AT MILE 9 NEAR MOSS POINT, MS

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
SEP						
04...	2110	1.0	6780	7.0	29.0	5.1
04...	2111	5.0	7020	6.8	29.0	4.7
04...	2112	10.0	7400	6.7	29.0	4.5
04...	2113	14.0	7700	6.7	29.0	4.5
05...	1040	1.0	7250	7.2	29.0	5.5
05...	1041	5.0	11200	6.8	29.0	3.8
05...	1042	10.0	17500	6.8	29.5	2.8
05...	1043	15.0	18600	6.8	30.0	2.4

02480184 ESCATAWPA RIVER AT MILE 8 NEAR MOSS POINT, MS

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
SEP						
04...	2100	1.0	9200	6.9	29.0	4.4
04...	2101	5.0	11200	6.8	29.5	4.5
04...	2102	10.0	12300	6.7	29.5	4.5
04...	2103	15.0	14300	6.7	29.5	4.1
04...	2104	20.0	18100	6.7	30.0	3.3
04...	2105	25.0	25600	6.8	30.0	1.1
04...	2106	30.0	29800	7.0	30.5	0.2
05...	1026	1.0	10400	6.9	29.0	4.7
05...	1027	5.0	16800	6.8	29.5	3.6
05...	1028	10.0	19500	6.8	29.5	2.7
05...	1029	15.0	23800	6.9	30.0	1.5
05...	1030	20.0	23800	7.0	30.0	1.3
05...	1031	25.0	24800	7.0	30.0	1.2
05...	1032	30.0	24900	7.0	30.0	1.1
05...	1033	35.0	26500	7.0	30.0	0.9
05...	1034	40.0	34400	7.2	30.5	0.1

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

PASCAGOULA RIVER BASIN--Continued

PASCAGOULA AND ESCATAWPA RIVERS STUDY--Continued

302541088290100 ESCATAWPA RIVER AT MILE 7

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)			
SEP									
04...	2047	1.0	12400	7.0	29.5	4.6			
04...	2048	5.0	12600	6.8	29.5	4.2			
04...	2049	10.0	12800	6.8	29.5	4.2			
04...	2050	15.0	12900	6.8	29.5	4.2			
04...	2051	20.0	15600	6.8	30.0	3.7			
04...	2052	25.0	16000	6.8	30.0	3.5			
04...	2053	30.0	17500	6.8	30.0	3.0			
05...	1017	1.0	16300	7.1	29.5	5.0			
05...	1018	5.0	21100	7.0	29.5	2.7			
05...	1019	10.0	24000	7.0	30.0	1.8			
05...	1020	15.0	26900	7.1	30.0	1.2			
05...	1021	20.0	27900	7.1	30.5	1.0			
05...	1022	25.0	27400	7.2	30.5	0.9			
05...	1023	30.0	27800	7.2	30.5	0.9			
05...	1024	35.0	28000	7.2	30.5	0.9			
DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
SEP									
04...	2046	--	0.010	0.110	0.100	0.37	0.020	0.020	11
05...	1016	1.6	0.010	0.060	0.110	0.50	0.050	0.030	10

302512088292200 ESCATAWPA RIVER AT MILE 6

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)			
SEP									
04...	2040	1.0	15200	7.0	29.5	4.0			
04...	2041	5.0	15700	6.9	29.5	3.9			
04...	2042	10.0	16200	6.9	30.0	3.7			
04...	2043	15.0	19400	6.9	30.0	3.4			
04...	2044	20.0	21000	6.9	30.5	2.1			
05...	1008	1.0	17000	7.2	29.0	4.5			
05...	1009	5.0	21900	7.1	29.5	2.8			
05...	1010	10.0	26300	7.2	30.5	1.6			
05...	1011	15.0	31300	7.3	30.5	0.8			
05...	1012	20.0	31700	7.3	30.5	0.6			
05...	1013	25.0	31900	7.3	30.5	0.6			
05...	1014	30.0	32000	7.3	30.5	0.6			

302515088301300 ESCATAWPA RIVER AT MILE 5

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)			
SEP									
04...	2031	1.0	18200	7.0	30.0	3.7			
04...	2032	5.0	17800	7.0	30.0	3.5			
04...	2033	10.0	21500	7.0	30.0	2.8			
04...	2034	15.0	22700	7.1	30.5	1.9			
04...	2035	17.0	30300	7.1	30.5	0.3			
05...	1001	1.0	17800	7.2	29.0	4.3			
05...	1002	5.0	26300	7.2	29.5	2.3			
05...	1003	10.0	30700	7.3	30.5	1.5			
05...	1004	15.0	34200	7.4	30.5	0.7			
05...	1005	19.0	33400	7.4	30.5	0.4			
DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
SEP									
04...	2030	--	0.010	0.070	0.140	0.41	0.150	0.030	11
05...	1000	2.1	0.010	0.040	0.180	0.68	0.090	0.070	36

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

PASCAGOULA RIVER BASIN--Continued

PASCAGOULA AND ESCATAWPA RIVERS STUDY--Continued

302528088304400 ESCATAWPA RIVER AT MILE 4

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
SEP						
04...	2020	1.0	13400	7.3	30.0	3.3
04...	2021	5.0	30300	7.1	30.0	3.2
04...	2022	10.0	21900	7.1	30.0	2.9
04...	2023	15.0	27700	7.2	30.5	1.7
04...	2024	20.0	29400	7.2	30.5	0.9
04...	2025	24.0	32900	7.3	30.5	0.2
05...	0952	1.0	17800	7.3	30.0	3.0
05...	0953	5.0	28000	7.3	30.0	2.1
05...	0954	10.0	32600	7.4	30.5	1.3
05...	0955	15.0	33200	7.5	30.5	1.1
05...	0956	20.0	33900	7.5	30.5	0.9
05...	0957	25.0	33400	7.4	30.5	0.6

302455088313100 ESCATAWPA RIVER AT MILE 3

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
SEP						
04...	2001	1.0	20300	7.2	30.0	3.3
04...	2002	5.0	24800	7.2	30.0	2.5
04...	2003	10.0	25900	7.2	30.5	2.2
04...	2004	15.0	35800	7.4	30.5	0.1
04...	2005	19.0	37700	7.6	30.5	0.1
05...	0945	1.0	20000	7.3	28.5	4.4
05...	0946	5.0	24200	7.2	30.5	2.1
05...	0947	10.0	32400	7.4	30.5	0.9
05...	0948	15.0	35000	7.4	30.5	0.2
05...	0949	20.0	39000	7.6	30.5	0.1
05...	0950	24.0	38900	7.5	30.5	0.1

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	NITRO- GEN, NITRITE TOTAL (MG/L) AS N (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N (00610)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L) AS N (00625)	PHOS- PHORUS TOTAL (MG/L) AS P (00665)	PHOS- PHORUS TOTAL (MG/L) AS P (00665)	CARBON, ORGANIC TOTAL (MG/L) AS C (00680)
SEP									
04...	2000	--	0.010	0.040	0.180	0.58	0.180	0.060	11
05...	0944	2.2	0.010	0.040	0.120	0.60	0.120	0.060	9.3

302459088320800 ESCATAWPA RIVER AT MILE 2

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
SEP						
04...	1950	1.0	21700	7.4	29.5	5.1
04...	1951	5.0	23300	7.4	30.0	4.1
04...	1952	10.0	27400	7.3	30.5	2.7
04...	1953	15.0	35000	7.4	30.5	0.6
04...	1954	18.0	36700	7.6	30.5	0.2
05...	0938	1.0	21100	7.3	29.0	4.5
05...	0939	5.0	27800	7.3	30.5	1.9
05...	0940	10.0	35000	7.6	30.5	1.6
05...	0941	15.0	37300	7.6	30.5	1.3
05...	0942	20.0	37200	7.6	30.5	0.6

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

PASCAGOULA RIVER BASIN--Continued

PASCAGOULA AND ESCATAWPA RIVERS STUDY--Continued

02480207 ESCATAWPA RIVER AT MOSS POINT, MS

						PH							
				SAM-		SPE-		WATER		TEMPER-		OXYGEN,	
				PLING		CIFIC		FIELD		ATURE		DIS-	
				DEPTH		DUCT-		(STAND-		WATER		SOLVED	
				(FEET)		(US/CM)		UNITS)		(DEG C)		(MG/L)	
				(00003)		(00095)		(00400)		(00010)		(00300)	

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

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PASCAGOULA RIVER BASIN--Continued

PASCAGOULA AND ESCATAWPA RIVERS STUDY--Continued

02480207 ESCATAWPA RIVER AT MOSS POINT, MS--Continued

DATE	HEXA- CHLORO- ETHANE TOTAL (UG/L) (34396)	INDENO (1,2,3- CD) PYRENE TOTAL (UG/L) (34403)	ISO- PHORONE TOTAL (UG/L) (34408)	NAPHTH- ALENE TOTAL (UG/L) (34696)	NITRO- BENZENE TOTAL (UG/L) (34447)	N-NITRO -SODI- METHY- LAMINE TOTAL (UG/L) (34438)	N-NITRO -SODI- PHENY- LAMINE TOTAL (UG/L) (34433)	N- NITRO- SODI-N- PROPYL- AMINE TOTAL (UG/L) (34428)	PHENAN- THRENE TOTAL (UG/L) (34461)	PYRENE TOTAL (UG/L) (34469)	BENZENE 1,2,4- TRI- CHLORO- WAT UNF REC (UG/L) (34551)
SEP 04...	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
DATE	2- CHLORO- PHENOL TOTAL (UG/L) (34586)	2,4-DI- CHLORO- PHENOL TOTAL (UG/L) (34601)	2,4-DI- METHYL- PHENOL TOTAL (UG/L) (34606)	4,6- DINITRO -ORTHO- CRESOL TOTAL (UG/L) (34657)	2,4,- DI- NITRO- PHENOL TOTAL (UG/L) (34616)	2- NITRO- PHENOL TOTAL (UG/L) (34591)	4- NITRO- PHENOL TOTAL (UG/L) (34646)	PARA- CHLORO- META CRESOL TOTAL (UG/L) (34452)	PENTA- CHLORO- PHENOL TOTAL (UG/L) (39032)	PHENOL (C6H- 5OH) TOTAL (UG/L) (34694)	2,4,6- TRI- CHLORO- PHENOL TOTAL (UG/L) (34621)
SEP 04...	<5.0	<5.0	<5.0	<30.0	<20.0	<5.0	<30.0	<30.0	<30.0	<5.0	<20.0

02480208 ESCATAWPA RIVER AT MILE 0 NEAR ESCATAWPA, MS

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
SEP 04...	1930	1.0	18500	7.3	30.0	5.6
04...	1931	5.0	21900	7.4	30.5	5.4
04...	1932	10.0	28200	7.4	30.5	2.9
04...	1933	15.0	33800	7.4	30.5	1.2
04...	1934	20.0	35900	7.5	30.5	0.8
04...	1935	25.0	36000	7.5	30.5	0.8
04...	1936	28.0	36400	7.6	30.5	0.7
05...	0920	1.0	21400	7.4	28.5	5.2
05...	0921	5.0	36000	7.7	30.0	2.9
05...	0922	10.0	39100	7.9	30.0	2.8
05...	0923	15.0	40400	7.9	30.0	2.9
05...	0924	20.0	40600	7.9	30.0	2.9
05...	0925	25.0	40300	7.9	30.5	2.7

302507088342800 PASCAGOULA RIVER AT MILE 6

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
SEP 04...	1736	1.0	19700	7.4	30.5	5.3
04...	1737	5.0	22200	7.3	30.5	4.5
04...	1738	10.0	34900	7.6	30.5	1.6
04...	1739	15.0	34900	7.6	30.5	1.4
04...	1740	16.0	35100	7.6	30.5	1.2
05...	0706	1.0	32700	7.8	29.0	4.0
05...	0707	5.0	37300	7.9	29.5	3.5
05...	0708	10.0	41300	8.0	30.0	3.0
05...	0709	15.0	41200	8.0	30.5	3.1

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	NITRO- GEN, NITRITE TOTAL (MG/L) AS N (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N (00610)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L) AS N (00625)	PHOS- PHORUS TOTAL (MG/L) AS P (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L) AS P (70507)	CARBON, ORGANIC TOTAL (MG/L) AS C (00680)
SEP 04...	1735	--	0.010	0.040	0.100	0.53	0.200	0.050	9.7
05...	0705	2.3	0.010	0.040	0.090	0.49	0.110	0.060	11

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

PASCAGOULA RIVER BASIN--Continued

PASCAGOULA AND ESCATAWPA RIVERS STUDY--Continued

302430088350400 PASCAGOULA RIVER AT MILE 5

DATE	TIME	SAM- PLING DEPTH (FEET) (000003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (000095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
SEP						
04...	1730	1.0	23800	7.5	30.0	5.1
04...	1731	5.0	29000	7.5	30.5	3.8
04...	1732	10.0	31500	7.5	30.5	2.6
04...	1733	13.0	34100	7.6	30.5	2.1
05...	0700	1.0	30800	7.7	30.0	3.9
05...	0701	5.0	40300	8.0	29.5	3.6
05...	0702	10.0	39900	8.0	30.0	3.6
05...	0703	14.0	40200	8.0	30.0	3.5

302345088343800 PASCAGOULA RIVER AT MILE 4

DATE	TIME	SAM- PLING DEPTH (FEET) (000003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (000095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
SEP						
04...	1631	1.0	26300	7.6	31.0	5.3
04...	1632	5.0	27300	7.6	31.0	5.2
04...	1633	10.0	30400	7.7	31.0	4.0
04...	1634	15.0	31500	7.7	30.5	3.4
04...	1635	17.0	33000	7.7	30.5	3.2
05...	0652	1.0	38200	8.0	29.0	4.1
05...	0653	5.0	41600	8.1	30.0	3.8
05...	0654	10.0	41800	8.1	30.0	3.7
05...	0655	15.0	42000	8.1	30.0	3.7
05...	0656	17.0	41200	8.1	30.0	3.7

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
SEP									
04...	1630	--	0.010	0.020	0.050	0.50	0.080	0.040	9.7
05...	0651	1.8	0.010	0.040	0.070	0.45	0.130	0.070	3.4

302319088335400 PASCAGOULA RIVER AT MILE 3

DATE	TIME	SAM- PLING DEPTH (FEET) (000003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (000095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
SEP						
04...	1615	1.0	28700	7.7	30.5	5.0
04...	1616	5.0	29700	7.7	31.0	4.9
04...	1617	10.0	30000	7.7	31.0	4.9
04...	1618	15.0	30100	7.7	31.0	4.9
04...	1619	20.0	30000	7.7	31.0	4.7
04...	1620	25.0	32800	7.7	31.0	4.1
04...	1621	30.0	33400	7.8	30.5	3.6
04...	1622	35.0	35600	7.8	30.5	3.1
04...	1623	39.0	36200	7.8	30.5	2.6
05...	0640	1.0	40400	8.1	29.5	4.2
05...	0641	5.0	41300	8.1	30.0	4.0
05...	0642	10.0	41700	8.1	30.0	4.0
05...	0643	15.0	42200	8.1	30.0	3.8
05...	0644	20.0	42500	8.1	30.0	3.8
05...	0645	25.0	42500	8.1	30.0	3.8
05...	0646	30.0	42400	8.1	30.0	3.8
05...	0647	35.0	42400	8.1	30.0	3.8
05...	0648	40.0	42300	8.1	30.0	3.8
05...	0649	45.0	42200	8.1	30.0	3.7

02480210 PASCAGOULA RIVER AT HWY 90 AT PASCAGOULA, MS

		DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)						
SEP														
		04...	1601	1.0	32800	7.9	30.5	4.8						
		04...	1602	5.0	32900	7.8	30.5	4.3						
		04...	1603	10.0	34000	7.8	31.0	4.7						
		04...	1604	15.0	33000	7.8	31.0	4.7						
		04...	1605	20.0	35500	7.8	31.0	4.7						
		04...	1606	25.0	36700	7.8	31.0	4.7						
		05...	0633	1.0	40700	8.1	29.5	4.5						
		05...	0634	5.0	41900	8.2	30.0	4.7						
		05...	0635	10.0	42800	8.2	30.0	4.4						
		05...	0636	15.0	42700	8.1	30.0	4.2						
		05...	0637	20.0	43600	8.1	30.0	4.0						
		05...	0638	24.0	43600	8.1	30.0	3.4						
		OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCCOCI FECAL, KF AGAR (COLS.) PER (MG/L) (31673)	NITRO- GEN, NITRITE (MG/L) (00615)	NITRO- GEN, NO2+NO3 (MG/L) AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS TOTAL (MG/L) AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)			
SEP		04...	1600	--	K15	K35	0.010	<0.020	0.050	0.50	0.080	0.050	4.8	
		05...	0632	1.9	100	300	0.020	0.020	0.060	0.42	0.070	0.060	12	
		DATE	TIME	TUR- BID- ITY (NTU) (00076)	CALCIUM DIS- SOLVED (MG/L) AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L) AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L) AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L) AS K) (00935)	SULFATE DIS- SOLVED (MG/L) AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L) AS F) (00950)	RESIDUE TOTAL DEG. C, SUS- PENDE (MG/L) (00530)		
SEP		04...	1600	4.0	250	740	6600	240	1600	12000	0.40	64		
		DATE	TIME	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L) AS AS) (01002)	CADMIUM TOTAL RECOV- ERABLE (UG/L) AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L) AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L) AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L) AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L) AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L) AS NI) (01067)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L) AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L) AS ZN) (01092)		
SEP		04...	2	1.6	<1	<1	4	2	0.20	1	<1	10		
		DATE	TIME	ACE- NAPHTH- ENE TOTAL (UG/L) (34205)	ACE- NAPHTH- YLENE TOTAL (UG/L) (34200)	ANTHRA- CENE TOTAL (UG/L) (34220)	BENZO A ANTHRAC- ENE, 2- BENZANTH- RACENE TOTAL (UG/L) (34526)	BENZO B FLUOR- AN- THENE TOTAL (UG/L) (34230)	BENZO K FLUOR- AN- THENE TOTAL (UG/L) (34242)	BENZOGH I PERYL ENE, 1,2 -BENZOP- ERYLENE TOTAL (UG/L) (34521)	BENZO- A- PHENYL ETHER TOTAL (UG/L) (34247)	4- BROMO- PHENYL ETHER TOTAL (UG/L) (34636)	N-BUTYL BENZYL PHTHAL- ATE TOTAL (UG/L) (34292)	BIS (2- CHLORO- ETHOXY) METHANE TOTAL (UG/L) (34278)
SEP		04...	<5.0	<5.0	<5.0	<40.0	<10.0	<10.0	<10.0	<10.0	<5.0	<5.0		
		DATE	TIME	BIS 2- CHLORO- ETHYL ETHER TOTAL (UG/L) (34273)	BIS (2- CHLORO- ISO- CHLORO- PROPYL ETHER TOTAL (UG/L) (34283)	4- CHLORO- PHENYL NAPH- THYLENE TOTAL (UG/L) (34581)	1,2,5,6 -DIBENZ -ANTHRA- CENE CHRY- SENE TOTAL (UG/L) (34320)	BENZENE O- -DIBENZ CHLORO- WATER UNPLTRD REC TOTAL (UG/L) (34536)	BENZENE 3,3-DI- 1,4-DI- CHLORO- WATER UNPLTRD REC TOTAL (UG/L) (34566)	BENZENE 1,4-DI- CHLORO- WATER UNPLTRD REC TOTAL (UG/L) (34571)	3,3'- DI- CHLORO- BENZI- DINE TOTAL (UG/L) (34631)	DIETHYL PHTHAL- ATE TOTAL (UG/L) (34336)	DI- METHYL PHTHAL- ATE TOTAL (UG/L) (34341)	
SEP		04...	<5.0	<5.0	<5.0	<5.0	<10.0	<10.0	<5.0	<5.0	<20.0	<5.0	<5.0	
		DATE	TIME	DI-N- BUTYL PHTHAL- ATE TOTAL (UG/L) (39110)	2,4-DI- NITRO- TOLUENE TOTAL (UG/L) (34611)	2,6-DI- NITRO- TOLUENE TOTAL (UG/L) (34626)	DI-N- OCTYL PHTHAL- ATE TOTAL (UG/L) (34596)	BIS(2- ETHYL HEXYL) HYDRA- PHTHAL- ATE TOTAL (UG/L) (39100)	1,2-DI- PHENYL- ZINE WATER TOT.REC (UG/L) (82626)	FLUOR- ANTHENE TOTAL (UG/L) (34376)	FLUOR- ENE TOTAL (UG/L) (34381)	HEXA- CHLORO- BUT- ADIENE TOTAL (UG/L) (39700)	HEXA- CHLORO- CYCLO- PENT- ADIENE TOTAL (UG/L) (39702)	HEXA- CHLORO- CYCLO- PENT- ADIENE TOTAL (UG/L) (34386)
SEP		04...	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

PASCAGOULA RIVER BASIN--Continued

PASCAGOULA AND ESCATAWPA RIVERS STUDY--Continued

02480210 PASCAGOULA RIVER AT HWY 90 AT PASCAGOULA, MS--Continued

DATE	HEXA- CHLORO- ETHANE TOTAL (UG/L) (34396)	INDENO (1,2,3- CD) PYRENE TOTAL (UG/L) (34403)	ISO- PHORONE TOTAL (UG/L) (34408)	NAPHTH- ALENE TOTAL (UG/L) (34696)	NITRO- BENZENE TOTAL (UG/L) (34447)	N-NITRO -SODI- METHY- LAMINE TOTAL (UG/L) (34438)	N-NITRO -SODI- PHENY- LAMINE TOTAL (UG/L) (34433)	N- NITRO- SODI-N- PROPYL- AMINE TOTAL (UG/L) (34428)	PHENAN- THRENE TOTAL (UG/L) (34461)	PYRENE TOTAL (UG/L) (34469)	BENZENE 1,2,4- TRI- CHLORO- WAT UNF REC (UG/L) (34551)
SEP 04...	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
DATE	2- CHLORO- PHENOL TOTAL (UG/L) (34586)	2,4-DI- CHLORO- PHENOL TOTAL (UG/L) (34601)	2,4-DI- METHYL- PHENOL TOTAL (UG/L) (34606)	4,6- DINITRO- -ORTHO- CRESOL TOTAL (UG/L) (34657)	2,4,6- TRI- NITRO- PHENOL TOTAL (UG/L) (34616)	2- NITRO- PHENOL TOTAL (UG/L) (34591)	4- NITRO- PHENOL TOTAL (UG/L) (34646)	PARA- CHLORO- META CRESOL TOTAL (UG/L) (34452)	PENTA- CHLORO- PHENOL TOTAL (UG/L) (39032)	PHENOL (C6H- 5OH) TOTAL (UG/L) (34694)	2,4,6- TRI- CHLORO- PHENOL TOTAL (UG/L) (34621)
SEP 04...	<5.0	<5.0	<5.0	<30.0	<20.0	<5.0	<30.0	<30.0	<30.0	<5.0	<20.0

02480212 PASCAGOULA RIVER AT MILE 1 AT PASCAGOULA, MS

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
SEP 04...	1550	1.0	35600	7.9	30.5	5.0
04...	1551	5.0	36400	7.9	30.5	4.5
04...	1552	10.0	37000	7.9	30.5	4.4
04...	1553	15.0	38300	7.9	30.5	4.2
04...	1554	20.0	40700	8.0	30.5	3.4
04...	1555	25.0	41200	8.0	30.5	3.5
04...	1556	30.0	43400	8.0	30.5	3.0
04...	1557	35.0	44500	8.0	30.5	2.2
04...	1558	40.0	46800	7.9	30.5	1.1
05...	0622	1.0	37200	8.0	29.0	4.6
05...	0623	5.0	40600	8.1	29.5	4.7
05...	0624	10.0	42100	8.2	29.5	4.9
05...	0625	15.0	42800	8.1	30.0	4.6
05...	0626	20.0	42500	8.2	30.0	4.7
05...	0627	25.0	43200	8.1	30.0	3.8
05...	0628	30.0	44600	8.1	30.0	3.4
05...	0629	35.0	44800	8.0	30.0	2.7
05...	0630	40.0	45600	7.9	30.5	0.5
05...	0631	42.0	45500	7.9	30.0	0.2

02480215 PASCAGOULA RIVER AT MILE 0 AT PASCAGOULA, MS

				PH			
				WATER			
				FIELD			
				(STAND-ARD			
DATE	TIME	SAM-PLING DEPTH (FEET) (00003)	CON-DUCT-ANCE (US/CM) (00095)	WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	
SEP							
04...	1540	1.0	37100	7.9	31.0	6.5	
04...	1541	5.0	38800	8.0	30.5	5.8	
04...	1542	10.0	39900	8.0	30.5	5.6	
04...	1543	15.0	41400	8.0	30.5	5.0	
04...	1544	20.0	43600	8.1	30.5	5.5	
04...	1545	25.0	44300	8.1	30.5	4.6	
04...	1546	30.0	44800	8.0	30.5	3.4	
04...	1547	35.0	46700	7.9	30.5	1.3	
04...	1548	39.0	47500	7.9	30.0	0.7	
05...	0611	1.0	38500	7.9	29.5	4.2	
05...	0612	5.0	39300	8.0	29.5	4.5	
05...	0613	10.0	41200	8.1	30.0	4.3	
05...	0614	15.0	41500	8.1	29.5	4.7	
05...	0615	20.0	41800	8.1	29.5	4.2	
05...	0616	25.0	42600	8.1	29.5	3.6	
05...	0617	30.0	44400	8.0	30.0	2.3	
05...	0618	35.0	45000	7.9	30.0	1.7	
05...	0619	40.0	45900	7.9	30.0	1.6	
05...	0620	42.0	45900	7.9	30.0	1.5	
OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)							
		NITRO-GEN, NITRITE TOTAL (MG/L) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L) (00610)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L) (00625)	PHOS- PHORUS TOTAL (MG/L) (00665)	PHOS- PHORUS TOTAL (MG/L) (70507)
DATE	TIME						
SEP							
04...	1539	--	0.010	0.030	0.050	0.53	0.070
05...	0610	2.4	0.010	0.020	0.060	0.45	0.080

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

YAZOO RIVER BASIN

OTOUCALOFA CREEK BASIN STUDY

07274235 OTOUCALOFA CREEK NEAR PARIS, MS

		DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	
DATE	TIME								
MAY									
08...	1500	7.6	62	7.0	22.5	9.1	K77	140	
08...	1800	8.8	62	7.0	22.5	9.2	--	--	
08...	2100	9.5	68	6.9	22.5	9.2	120	460	
08...	2400	7.4	71	6.9	22.0	8.0	--	--	
09...	0300	7.0	63	6.9	21.5	8.0	K64	260	
09...	0600	6.0	60	7.0	21.0	8.0	--	--	
09...	0900	5.3	63	6.9	21.0	7.8	130	200	
09...	1200	5.6	64	7.1	22.5	--	--	--	
09...	1500	5.3	64	7.2	25.0	8.6	200	130	
09...	1800	5.1	63	7.1	24.0	8.0	--	--	
09...	2100	4.9	63	7.1	23.0	7.2	180	200	
09...	2400	4.9	62	7.0	23.0	7.2	--	--	
10...	0300	4.3	62	7.1	22.0	7.6	100	120	
10...	0600	4.3	63	7.1	20.0	8.2	--	--	
10...	0900	4.3	64	7.1	20.0	8.7	190	180	
10...	1200	4.4	64	7.1	22.5	8.3	230	200	
		NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
DATE									
MAY									
08...		<0.010	0.040	0.030	<0.020	0.020	--	14	0.29
08...		<0.010	0.040	0.040	0.030	0.010	1.7	20	0.48
08...		<0.010	0.050	0.040	0.020	0.020	1.6	863	22
08...		0.010	0.040	0.130	0.050	0.050	--	82	1.6
09...		0.010	0.050	0.100	0.050	0.030	1.6	46	0.87
09...		<0.010	0.050	0.070	0.040	0.020	0.8	19	0.31
09...		0.010	0.050	0.060	<0.020	0.020	1.5	18	0.26
09...		0.010	0.050	0.050	0.050	0.020	1.2	20	0.30
09...		0.010	0.050	0.050	0.030	0.010	1.5	17	0.24
09...		0.010	0.060	0.050	0.020	0.020	2.2	15	0.21
09...		0.010	0.060	0.050	0.030	0.020	1.5	24	0.32
09...		0.010	0.050	0.060	<0.020	0.020	1.1	29	0.38
10...		0.010	0.050	0.060	0.040	0.020	1.0	47	0.55
10...		0.010	0.050	0.050	<0.020	0.020	1.3	20	0.23
10...		0.010	0.060	0.060	0.020	0.020	1.2	23	0.27
10...		0.010	0.060	0.050	<0.020	0.020	--	25	0.30

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

YAZOO RIVER BASIN--Continued

OTOUCALOFA CREEK BASIN STUDY--Continued

07274237 OTOUCALOFA CREEK AT PARIS, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
MAY								
08...	1530	16	60	6.9	22.5	8.2	220	190
09...	0030	14	60	6.8	21.0	7.5	--	--
09...	0330	15	60	6.9	22.0	8.5	320	280
09...	0630	14	63	6.9	21.0	7.2	--	--
09...	0930	14	64	6.9	21.0	7.3	280	320
09...	1230	14	61	6.9	22.5	--	--	--
09...	1530	14	60	7.0	25.0	8.2	240	170
09...	1830	13	60	7.0	23.0	7.6	--	--
09...	2130	13	60	7.0	24.0	7.2	190	140
10...	0030	13	60	6.9	23.0	7.0	--	--
10...	0330	12	60	6.9	22.0	6.9	280	240
10...	0630	12	61	6.9	20.0	7.2	--	--
10...	0930	12	62	7.0	20.5	7.0	200	240
10...	1230	12	62	7.0	21.0	8.7	240	260

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
MAY								
08...	<0.010	0.080	0.040	<0.020	0.020	2.1	27	1.2
09...	<0.010	0.080	0.040	0.050	0.020	2.1	20	0.76
09...	<0.010	0.060	0.060	<0.020	0.020	2.1	19	0.77
09...	<0.010	0.080	0.050	<0.020	0.020	1.9	31	1.2
09...	<0.010	0.080	0.060	0.020	0.030	2.1	38	1.4
09...	<0.010	0.080	0.060	0.040	0.020	1.6	25	0.95
09...	E0.010	0.060	E0.140	E0.030	E0.020	0.6	25	0.95
09...	<0.010	0.080	0.050	<0.020	0.020	1.5	28	0.98
09...	<0.010	0.080	0.040	<0.020	0.020	2.0	27	0.95
10...	<0.010	0.080	0.050	0.040	0.020	1.9	20	0.70
10...	<0.010	0.080	0.050	<0.020	0.020	1.5	26	0.84
10...	<0.010	0.080	0.050	0.020	0.020	2.2	31	1.0
10...	<0.010	0.080	0.050	0.030	0.020	--	32	1.0
10...	<0.010	0.080	0.050	<0.020	0.020	1.4	24	0.78

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

YAZOO RIVER BASIN--Continued

OTOUCALOFA CREEK BASIN STUDY--Continued

07274245 OTOUCALOFA CREEK EAST OF WATER VALLEY, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
MAY								
08...	1600	42	50	7.0	23.0	9.1	120	150
08...	1830	42	49	7.0	22.5	8.4	--	--
08...	2130	40	51	6.9	22.0	8.2	160	170
09...	0100	35	50	7.0	21.5	8.3	--	--
09...	0400	41	50	6.8	21.5	8.3	140	130
09...	0700	41	51	7.1	20.5	8.5	--	--
09...	1000	36	51	7.0	21.0	8.7	130	110
09...	1300	36	51	7.2	24.0	--	--	--
09...	1600	34	50	7.2	26.5	8.4	K96	K77
09...	1900	32	52	7.2	25.0	8.6	--	--
09...	2200	32	51	7.1	25.0	7.9	160	200
10...	0100	32	49	7.1	23.0	7.8	--	--
10...	0400	28	52	7.2	22.0	7.9	140	140
10...	0700	28	53	7.1	20.5	8.7	--	--
10...	1000	31	53	7.1	22.0	8.9	160	170
10...	1300	30	52	7.2	24.0	8.9	200	K65

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
MAY								
08...	0.010	0.060	0.030	0.030	0.020	3.4	36	4.1
08...	<0.010	0.060	0.040	0.030	0.020	2.4	29	3.3
08...	<0.010	0.060	0.040	0.030	0.020	2.0	28	3.0
09...	<0.010	0.070	0.040	0.060	0.020	2.0	23	2.2
09...	<0.010	0.070	0.040	0.040	0.020	1.4	24	2.7
09...	<0.010	0.070	0.040	0.020	0.020	0.7	26	2.9
09...	<0.010	0.070	0.040	0.020	0.020	1.6	23	2.2
09...	<0.010	0.060	0.030	0.020	0.020	1.7	28	2.7
09...	<0.010	0.060	0.030	0.020	0.020	1.8	24	2.2
09...	<0.010	0.060	0.030	0.040	0.020	1.7	33	2.9
09...	<0.010	0.060	0.030	0.020	0.020	1.7	25	2.2
10...	<0.010	0.070	0.040	0.020	0.020	1.7	24	2.1
10...	<0.010	0.070	0.050	0.050	0.020	1.6	20	1.5
10...	<0.010	0.070	0.040	0.020	0.020	--	22	1.7
10...	<0.010	0.070	0.040	0.050	0.020	1.8	37	3.1
10...	<0.010	0.070	0.040	0.040	0.020	--	31	2.5

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

YAZOO RIVER BASIN--Continued

OTOUCALOFA CREEK BASIN STUDY--Continued

07274247 OTOUCALOFA CREEK CANAL EAST-SOUTHEAST OF WATER VALLEY, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- FORM, FECAL, KF AGAR (COLS. PER 100 ML) (31673)
MAY								
08...	1500	60	49	7.1	24.0	7.8	300	100
08...	1800	57	47	7.0	23.0	8.0	--	--
08...	2100	55	48	7.0	22.0	7.4	250	180
08...	2400	54	48	7.0	21.0	8.0	--	--
09...	0300	52	49	7.0	20.5	8.0	200	220
09...	0600	53	49	7.0	20.5	7.7	--	--
09...	0900	55	49	7.1	21.0	--	140	140
09...	1200	60	49	7.1	24.5	--	--	--
09...	1500	54	50	7.2	27.5	8.0	130	100
09...	1800	52	49	7.1	26.0	7.9	--	--
09...	2100	48	49	6.8	23.5	8.0	160	160
09...	2400	46	50	7.1	21.5	8.0	--	--
10...	0300	44	50	7.1	20.5	7.9	130	150
10...	0600	41	51	7.2	19.5	8.4	--	--
10...	0900	41	52	7.1	21.0	8.3	130	170
10...	1200	41	52	7.3	24.5	9.2	140	100
NITRO- NITRO- NITRO- PHOS- PHOS- CARBON, SEDI- SEDI- GEN, GEN, GEN, PHORUS PHORUS ORGANIC MENT, DIS- NITRITE NO2+NO3 AMMONIA PHORUS ORTHO TOTAL TOTAL TOTAL MENT, CHARGE, TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL SUS- SUS- (MG/L) (MG/L) (MG/L) (MG/L) (MG/L) (MG/L) (MG/L) (MG/L) (MG/L) (T/DAY) AS N) AS N) AS N) AS P) AS P) AS C) (MG/L) (T/DAY) (00615) (00630) (00610) (00665) (70507) (00680) (80154) (80155)								
MAY								
08...	0.010	0.100	0.030	0.060	0.030	7.3	102	17
08...	0.010	0.100	0.030	0.030	0.030	3.8	74	11
08...	0.010	0.100	0.030	0.040	0.030	3.5	42	6.2
08...	0.010	0.100	0.030	0.070	0.030	3.1	37	5.4
09...	0.010	0.100	0.030	0.060	0.030	3.3	40	5.6
09...	0.010	0.100	0.030	0.050	0.030	3.1	56	8.0
09...	0.010	0.100	0.030	0.030	0.030	3.5	48	7.1
09...	0.010	0.100	0.030	0.030	0.030	4.0	86	14
09...	0.010	0.100	0.030	0.050	0.030	4.0	36	5.2
09...	0.010	0.100	0.030	0.040	0.030	3.5	35	4.9
09...	0.010	0.100	0.030	0.030	0.030	3.6	38	4.9
09...	0.010	0.100	0.030	0.050	0.030	3.5	38	4.7
10...	0.010	0.100	0.030	0.030	0.030	3.3	34	4.0
10...	0.010	0.110	0.030	0.020	0.030	3.2	34	3.8
10...	0.010	0.110	0.030	0.060	0.030	4.2	41	4.5
10...	0.010	0.100	0.030	0.020	0.030	3.7	33	3.7

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

YAZOO RIVER BASIN--Continued

HICKAHALA CREEK BASIN STUDY

07277520 HICKAHALA CREEK NEAR INDEPENDENCE, MS

		SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	
DATE	TIME							
FEB								
15...	0600	71	5.7	10.5	7.2	K49	420	
15...	0900	56	5.8	12.0	8.6	--	--	
15...	1200	59	6.6	13.0	11.8	84	K42	
15...	1500	58	6.6	13.0	12.0	--	--	
15...	1800	58	6.5	14.0	13.2	K68	84	
15...	2100	69	6.5	15.0	13.4	--	--	
15...	2400	69	6.5	14.0	8.8	K58	150	
16...	0300	60	6.6	11.0	9.6	--	--	
16...	0600	54	6.8	8.5	11.2	>6000	E8100	
16...	0900	55	6.9	8.0	13.0	--	--	
16...	1200	54	6.6	7.5	12.4	K7000	K20000	
16...	1500	52	6.6	7.0	11.6	--	--	
16...	1800	53	6.7	5.5	11.0	K3600	10000	
16...	2100	54	6.6	5.5	11.0	--	--	
16...	2400	55	6.6	5.5	10.4	K6000	4700	
17...	0300	53	6.6	5.5	10.2	--	--	
17...	0600	58	6.7	6.0	12.3	K4400	6000	
DATE		NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDED (MG/L) (80154)
FEB								
15...	0.010	0.910	0.050	0.060	0.030	7.1	28	
15...	0.010	0.880	0.020	0.030	0.020	6.7	21	
15...	0.010	0.830	0.010	<0.020	0.020	6.5	20	
15...	0.010	0.800	0.020	0.030	0.020	6.3	19	
15...	0.010	0.790	0.020	0.050	0.020	6.4	21	
15...	0.010	0.790	0.020	<0.020	0.020	6.7	20	
15...	0.010	0.810	0.020	<0.020	0.020	6.5	19	
16...	0.040	0.750	0.070	0.430	0.200	--	1060	
16...	0.060	0.690	1.00	0.730	0.350	18	2810	
16...	0.050	0.780	0.990	0.930	0.560	17	827	
16...	0.050	0.790	0.870	0.740	0.460	18	352	
16...	0.040	0.760	0.690	0.550	0.350	17	220	
16...	0.040	0.780	0.550	0.420	0.280	16	139	
16...	0.030	0.830	0.490	0.310	0.240	14	114	
16...	0.030	0.860	0.460	0.290	0.210	14	91	
17...	0.030	0.860	0.410	0.240	0.190	13	71	
17...	0.030	0.860	0.380	0.200	0.160	12	68	

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

YAZOO RIVER BASIN--Continued

HICKAHALA CREEK BASIN STUDY--Continued

07277530 HICKAHALA CREEK NEAR LOOXAHOMA, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
FEB								
15...	0630	26	64	5.8	11.5	7.8	96	130
15...	0930	28	49	6.0	13.0	8.2	--	--
15...	1230	32	54	6.7	13.0	8.4	110	120
15...	1530	24	57	6.7	14.0	11.2	--	--
15...	1830	28	58	6.6	15.0	10.0	K58	290
15...	2130	28	65	6.6	14.5	9.2	--	--
16...	0030	28	63	6.6	14.0	8.4	K40	190
16...	0330	12	59	6.6	12.0	9.0	--	--
16...	0630	1070	45	6.7	9.0	10.2	K7300	K13000
16...	0930	650	50	6.7	8.0	10.2	--	--
16...	1230	136	49	6.7	7.5	11.2	K1500	K15000
16...	1530	220	50	6.6	7.0	11.1	--	--
16...	1830	132	50	6.6	5.5	10.4	K11000	K13000
16...	2130	96	51	6.6	5.5	10.2	--	--
17...	0030	78	52	6.6	5.5	10.2	5000	5700
17...	0330	88	57	6.7	5.0	11.4	--	--
17...	0630	58	54	6.7	8.5	10.3	4000	7000

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
FEB								
15...	<0.010	0.610	0.020	<0.020	0.030	5.9	24	1.7
15...	0.010	0.590	0.020	0.020	0.020	6.2	23	1.7
15...	0.010	0.570	0.020	0.080	0.030	6.6	28	2.4
15...	0.010	0.570	0.020	0.030	0.030	6.5	26	1.7
15...	0.010	0.580	0.020	0.020	0.020	6.6	31	2.3
15...	0.010	0.580	0.020	0.030	0.030	6.4	23	1.7
16...	0.010	0.590	0.030	0.040	0.030	6.4	33	2.5
16...	0.020	0.590	0.080	0.380	0.100	7.1	706	23
16...	0.050	0.380	0.150	0.690	0.270	15	2370	6850
16...	0.050	0.580	0.730	0.960	0.480	17	999	1750
16...	0.050	0.560	0.530	0.660	0.380	18	571	210
16...	0.040	0.560	0.470	0.460	0.310	17	324	192
16...	0.030	0.550	0.380	0.410	0.250	16	7880	2810
16...	0.030	0.550	0.310	0.350	0.210	15	1070	277
17...	0.020	0.570	0.270	0.270	0.180	14	126	27
17...	0.020	0.590	0.240	0.220	0.160	13	184	44
17...	0.020	0.600	0.210	0.190	0.140	12	81	13

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

YAZOO RIVER BASIN--Continued

HICKAHALA CREEK BASIN STUDY--Continued

07277548 JAMES WOLF CREEK NEAR LOOXAHOMA, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
FEB								
15...	0700	10	103	6.1	10.0	7.9	92	210
15...	1000	10	76	6.4	12.0	8.4	--	--
15...	1300	12	79	6.9	12.0	9.6	100	80
15...	1600	12	78	7.0	13.0	12.0	--	--
15...	1900	11	78	6.8	14.0	9.8	K90	K42
15...	2200	37	93	6.7	13.5	9.0	--	--
16...	0100	12	93	6.8	13.0	8.6	K70	120
16...	0400	200	66	6.8	11.0	9.6	--	--
16...	0700	430	65	6.9	9.0	10.8	>6000	K20000
16...	1000	244	84	7.1	8.5	10.2	--	--
16...	1300	122	70	6.9	8.0	11.1	K17000	7500
16...	1600	66	65	6.9	7.5	11.4	--	--
16...	1900	47	64	6.8	5.5	11.0	1200	K12000
16...	2200	34	63	6.7	5.5	10.0	--	--
17...	0100	28	60	6.7	5.5	10.0	K1300	6500
17...	0400	22	65	6.8	5.0	10.0	--	--
17...	0700	20	64	6.8	6.5	10.6	3300	2200

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDEDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDEDED (T/DAY) (80155)
FEB								
15...	0.020	1.30	0.630	0.070	0.050	11	19	0.51
15...	0.020	3.20	0.540	0.110	0.040	9.9	22	0.59
15...	0.020	1.30	0.450	0.110	0.040	9.6	29	0.94
15...	0.020	1.30	0.400	0.050	0.040	8.8	24	0.78
15...	0.020	1.30	0.380	0.070	0.030	8.8	19	0.56
15...	0.020	1.30	0.370	0.080	0.030	8.7	19	1.9
16...	0.020	1.30	0.350	0.030	0.030	8.4	44	1.4
16...	0.050	0.780	0.280	0.650	0.230	12	1350	729
16...	0.050	0.800	0.800	0.760	0.310	16	985	1140
16...	0.060	0.520	1.70	1.90	0.930	23	1000	659
16...	0.060	0.660	1.10	1.10	0.620	22	655	216
16...	0.050	0.600	0.740	0.760	0.460	21	328	58
16...	0.040	0.600	0.610	0.560	0.370	20	217	28
16...	0.030	0.620	0.510	0.470	0.300	18	152	14
17...	0.030	0.630	0.450	0.380	0.270	17	109	8.2
17...	0.030	0.660	0.400	0.350	0.240	16	107	6.4
17...	0.020	0.680	0.350	0.280	0.190	15	98	5.3

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

YAZOO RIVER BASIN--Continued

HICKAHALA CREEK BASIN STUDY--Continued

07277715 SENATOBIA CREEK NEAR COMO, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
FEB								
15...	0600	4.8	81	5.6	13.0	8.9	88	220
15...	0900	4.8	100	5.9	13.5	10.0	--	--
15...	1200	4.9	83	6.5	15.0	11.5	K75	140
15...	1500	4.8	83	6.5	17.0	11.2	--	--
15...	1800	4.9	59	6.9	10.0	9.5	K32	160
15...	2100	4.5	82	6.5	8.5	9.2	--	--
15...	2400	4.6	98	6.4	15.0	8.9	K48	80
16...	0300	20	62	6.4	13.0	8.7	--	--
16...	0600	437	53	6.7	10.5	10.2	K12000	K25000
16...	0900	175	53	6.6	10.0	10.5	--	--
16...	1200	102	47	6.7	9.5	10.6	E8300	K12000
16...	1500	50	49	6.5	8.5	10.8	--	--
16...	1800	38	51	6.6	9.0	11.2	E5000	10000
16...	2100	36	56	6.6	9.0	11.1	--	--
16...	2400	32	57	6.7	8.5	10.2	5000	7900
17...	0300	15	62	6.9	8.0	10.1	--	--
17...	0600	14	66	6.5	7.5	10.4	640	6200

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
FEB								
15...	<0.010	3.30	0.010	<0.020	<0.010	6.6	14	0.18
15...	<0.010	3.20	0.010	0.030	0.010	6.7	13	0.17
15...	0.010	3.10	0.010	0.030	0.010	6.6	13	0.17
15...	<0.010	3.00	0.010	<0.020	0.010	6.7	14	0.18
15...	0.010	0.890	0.030	0.030	0.030	7.0	23	0.30
15...	0.010	3.20	0.020	<0.020	0.010	6.8	17	0.21
15...	0.010	3.20	0.010	<0.020	0.010	7.6	14	0.17
16...	0.050	1.90	0.130	0.990	0.270	8.3	995	54
16...	0.040	0.940	0.420	0.590	0.350	17	1410	1660
16...	0.040	0.740	0.270	0.680	0.340	18	961	454
16...	0.040	0.690	0.210	0.480	0.270	19	445	123
16...	0.020	0.730	0.180	0.390	0.200	18	225	30
16...	0.030	0.820	0.180	0.340	0.230	17	175	18
16...	0.030	0.960	0.140	0.250	0.180	15	204	20
16...	0.030	1.10	0.130	0.220	0.170	14	97	8.4
17...	0.020	1.20	0.120	0.190	0.150	14	--	--
17...	0.020	1.30	0.110	0.190	0.130	13	72	2.7

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

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YAZOO RIVER BASIN--Continued

ABIACA CREEK BASIN STUDY

07287141 ABIACA CREEK NEAR COILA, MS

		DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	
DATE	TIME								
JUL									
05...	1500	1.8	44	7.2	18.5	11.5	8200	10000	
05...	1800	42	31	6.5	20.5	8.0	--	--	
05...	2100	4.1	31	6.6	21.0	8.0	E44000	>20000	
05...	2400	2.6	36	6.7	20.0	7.8	--	--	
06...	0300	2.0	38	6.7	20.0	7.8	>12000	>20000	
06...	0600	2.6	44	6.8	19.5	8.1	--	--	
06...	0900	1.9	47	6.9	20.0	8.4	K14000	17000	
06...	1200	1.9	48	7.0	25.5	8.4	--	--	
06...	1500	1.2	55	7.1	25.0	8.3	K3400	4400	
06...	1800	1.2	60	7.1	25.0	8.4	--	--	
06...	2100	1.8	61	7.0	23.5	8.0	K1800	1700	
06...	2400	1.6	54	7.1	22.5	7.8	--	--	
07...	0300	1.5	62	7.1	22.0	8.6	K1500	1600	
07...	0600	1.5	65	7.1	20.5	8.1	--	--	
07...	0900	1.5	66	7.2	20.5	9.0	1100	1200	
07...	1200	1.5	65	7.3	24.0	9.1	800	540	
07...	1500	1.5	65	7.4	28.0	8.4	--	--	
		NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
JUL									
05...	0.020	0.160	0.030	0.200	0.060	2.3	292	1.4	
05...	0.050	0.110	0.040	0.430	0.170	15	1750	198	
05...	0.030	0.260	0.030	0.460	0.230	17	--	--	
05...	0.040	0.250	0.030	0.310	0.200	14	268	1.9	
06...	0.050	0.220	0.040	0.310	0.190	13	222	1.2	
06...	0.050	0.240	0.040	0.210	0.190	12	167	1.2	
06...	0.040	0.210	0.060	0.250	0.170	10	119	0.61	
06...	0.040	0.210	0.060	0.220	0.140	8.4	105	0.54	
06...	0.030	0.180	0.050	0.140	0.110	6.5	62	0.20	
06...	0.020	0.160	0.040	0.110	0.080	4.6	61	0.20	
06...	0.020	0.140	0.040	0.090	0.070	3.5	64	0.31	
06...	0.020	0.130	0.040	0.070	0.060	3.1	46	0.20	
07...	0.010	0.130	0.050	0.080	0.060	3.0	68	0.28	
07...	0.020	0.130	0.050	0.100	0.060	2.9	75	0.30	
07...	0.010	0.120	0.050	0.070	0.060	2.7	66	0.27	
07...	0.010	0.110	0.040	0.060	0.050	2.1	57	0.23	
07...	0.010	0.100	0.030	0.050	0.040	1.9	59	0.24	

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

YAZOO RIVER BASIN--Continued

ABIACA CREEK BASIN STUDY--Continued

07287142 ABIACA CREEK NEAR BLACK HAWK, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
JUL								
05...	1530	7.4	67	6.9	17.5	7.5	7200	17000
05...	1830	15	43	6.8	17.5	7.5	--	--
05...	2130	6.6	55	6.7	22.0	6.4	K18000	K28000
06...	0030	3.6	60	6.8	22.0	6.2	--	--
06...	0330	3.2	70	6.7	22.0	6.4	K1400	1900
06...	0630	3.6	73	6.8	22.0	6.5	--	--
06...	0930	3.6	73	6.8	22.5	6.0	720	960
06...	1230	3.7	68	6.9	24.0	7.8	--	--
06...	1530	3.6	73	6.9	26.5	8.0	360	420
06...	1830	3.2	79	6.8	26.5	7.2	--	--
06...	2130	2.8	78	6.8	25.0	6.0	230	340
07...	0030	3.0	76	6.7	24.0	6.8	--	--
07...	0330	3.0	78	6.7	24.0	6.4	K110	240
07...	0630	3.2	80	6.8	23.0	5.8	--	--
07...	0930	3.3	79	6.9	23.0	5.8	K130	260
07...	1230	3.2	78	7.0	26.0	7.0	110	110
07...	1530	3.2	75	6.9	28.0	7.7	--	--

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDEDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDEDED (T/DAY) (80155)
JUL								
05...	0.020	0.190	0.170	0.240	0.140	6.6	212	4.2
05...	0.020	0.080	0.530	0.270	0.170	9.5	344	14
05...	0.020	0.110	0.360	0.210	0.140	7.4	142	2.5
06...	0.020	0.130	0.280	0.100	0.060	4.7	44	0.43
06...	0.020	0.140	0.260	0.070	0.030	4.2	36	0.31
06...	0.020	0.140	0.260	0.050	0.030	4.0	33	0.32
06...	0.020	0.140	0.250	0.050	0.030	4.0	29	0.28
06...	0.020	0.140	0.210	0.040	0.020	3.9	26	0.26
06...	0.010	0.150	0.150	0.080	0.020	4.2	25	0.24
06...	0.010	0.150	0.140	0.030	0.020	4.0	24	0.21
06...	0.010	0.140	0.160	0.040	0.020	4.0	17	0.13
07...	0.010	0.140	0.170	0.070	0.020	4.3	26	0.21
07...	0.010	0.140	0.190	0.040	0.020	3.9	87	0.70
07...	0.020	0.140	0.200	0.030	0.020	3.8	30	0.26
07...	0.020	0.140	0.200	0.030	0.020	3.8	29	0.26
07...	0.010	0.140	0.160	0.030	0.020	3.8	29	0.25
07...	0.010	0.140	0.120	0.050	0.020	3.9	28	0.24

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

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YAZOO RIVER BASIN--Continued

ABIACA CREEK BASIN STUDY--Continued

07287144 ABIACA CREEK AT BLACK HAWK, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
JUL								
05...	1530	18	77	7.1	21.5	7.3	12000	19000
05...	1830	130	50	6.9	23.5	6.9	--	--
05...	2130	74	57	6.9	23.0	6.4	K32000	>20000
06...	0030	42	54	7.2	22.0	6.5	--	--
06...	0330	21	59	7.0	21.0	7.1	>12000	>20000
06...	0630	20	61	6.9	20.0	6.6	--	--
06...	0930	18	65	7.1	20.0	7.0	920	7200
06...	1230	16	63	7.1	22.0	6.9	--	--
06...	1530	16	75	7.3	24.0	7.3	K1500	1400
06...	1830	15	81	7.1	26.0	6.9	--	--
06...	2130	14	80	7.1	24.5	6.8	1000	1100
07...	0030	14	80	7.2	23.0	6.8	--	--
07...	0330	14	81	7.2	25.0	6.8	720	1200
07...	0630	14	83	7.1	23.0	6.8	--	--
07...	0930	14	84	7.1	19.5	7.1	680	790
07...	1230	13	84	7.3	22.0	7.2	560	340
07...	1530	13	86	7.2	27.0	6.8	--	--

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
JUL								
05...	0.020	0.520	0.100	0.310	0.170	4.8	421	20
05...	0.030	0.330	0.230	0.580	0.350	10	1710	600
05...	0.040	0.300	0.220	0.470	0.240	7.4	857	171
06...	0.030	0.470	0.500	0.550	0.200	8.1	368	42
06...	0.030	0.340	0.540	0.430	0.190	8.6	208	12
06...	0.020	0.180	0.310	0.330	0.150	7.1	144	7.8
06...	0.040	0.320	0.140	0.440	0.200	6.2	109	5.3
06...	0.010	0.140	0.100	0.170	0.080	8.1	83	3.6
06...	0.010	0.130	0.050	0.150	0.070	4.5	75	3.2
06...	0.010	0.120	0.040	0.160	0.060	3.9	76	3.1
06...	0.010	0.120	0.050	0.160	0.060	3.9	71	2.7
07...	0.010	0.140	0.070	0.110	0.060	3.7	62	2.3
07...	0.010	0.150	0.080	0.160	0.060	3.4	57	2.2
07...	0.010	0.160	0.080	0.110	0.050	3.4	70	2.6
07...	0.010	0.170	0.070	0.130	0.050	3.5	61	2.3
07...	0.010	0.170	0.050	0.100	0.050	3.4	51	1.8
07...	0.010	0.160	0.030	0.090	0.050	3.1	54	1.9

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

YAZOO RIVER BASIN--Continued

ABIACA CREEK BASIN STUDY--Continued

07287147 COILA CREEK AT SEVEN PINES, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
JUL								
05...	1500	38	70	7.1	21.5	7.4	6200	14000
05...	1800	190	48	6.9	23.5	7.2	--	--
05...	2100	172	49	7.0	24.0	6.3	7600	16000
05...	2400	130	61	6.9	23.0	6.5	--	--
06...	0300	100	62	7.1	22.5	7.3	4800	8400
06...	0600	90	62	7.2	22.0	7.0	--	--
06...	0900	78	63	7.2	22.0	7.0	K1500	6800
06...	1200	74	59	7.3	23.0	7.2	--	--
06...	1500	70	71	7.3	24.5	7.0	K1400	1600
06...	1800	60	75	7.1	26.0	6.9	--	--
06...	2100	54	75	7.1	25.0	6.7	1000	1100
06...	2400	44	76	6.9	24.0	6.5	--	--
07...	0300	44	74	7.1	25.0	6.2	570	990
07...	0600	43	74	7.0	25.0	6.5	--	--
07...	0900	43	76	7.1	22.0	6.2	610	810
07...	1200	38	78	7.2	23.0	7.1	280	210
07...	1500	38	78	7.3	28.5	7.1	--	--

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
JUL								
05...	0.030	0.220	0.140	0.610	0.180	6.2	228	23
05...	0.050	0.470	0.300	0.670	0.350	8.4	1380	708
05...	0.040	0.250	0.300	0.510	0.300	9.2	728	338
05...	0.020	0.170	0.320	0.440	0.170	8.2	339	119
06...	0.020	0.110	0.340	0.270	0.130	7.1	219	59
06...	0.020	0.110	0.290	0.300	0.120	6.7	189	46
06...	0.020	0.110	0.280	0.250	0.100	6.2	161	34
06...	0.020	0.110	0.250	0.280	0.100	6.1	137	27
06...	0.020	0.120	0.220	0.220	0.080	6.1	105	20
06...	0.020	0.120	0.180	0.190	0.070	5.4	98	16
06...	0.020	0.120	0.180	0.250	0.060	4.9	84	12
06...	0.010	0.110	0.140	0.190	0.050	4.7	72	8.6
07...	0.010	0.130	0.190	0.160	0.050	4.6	41	4.9
07...	0.010	0.120	0.150	0.150	0.050	4.3	40	4.6
07...	0.010	0.120	0.170	0.130	0.030	4.2	40	4.6
07...	0.010	0.120	0.100	0.110	0.040	4.2	30	3.1
07...	0.010	0.120	0.060	0.160	0.040	4.1	30	3.1

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

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YAZOO RIVER BASIN--Continued

BLACK CREEK BASIN STUDY

07287330 FANNEGUSHA CREEK NEAR ITUMA, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
AUG								
03...	1530	6.0	134	7.2	30.5	8.5	K67	110
03...	1830	6.0	135	7.0	30.0	5.1	--	--
04...	0700	6.0	131	7.1	25.5	6.5	--	--
04...	1000	6.1	135	6.8	26.5	7.5	K120	770
04...	1300	6.4	134	6.8	24.5	7.6	--	--
04...	1600	6.0	132	6.8	25.0	8.0	520	580
04...	1900	7.1	129	6.8	25.5	6.8	--	--
04...	2200	7.2	126	6.9	25.0	6.0	K200	880
05...	0100	8.3	125	7.0	25.0	5.9	--	--
05...	0400	8.8	124	7.1	25.0	5.9	170	430
05...	0700	9.5	125	7.1	24.0	7.2	--	--
05...	1000	9.7	122	7.0	24.0	7.9	K80	660
05...	1300	9.5	118	7.2	26.0	8.5	--	--
05...	1600	8.8	118	7.0	27.0	8.4	210	220

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, DIS- CHARGE, SUS- PENDEDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDEDED (T/DAY) (80155)
AUG								
03...	0.010	0.040	0.020	E0.050	0.030	2.1	--	--
03...	0.010	0.030	0.020	E0.030	0.030	2.0	--	--
04...	0.010	0.050	0.050	E0.090	0.040	2.4	12	0.19
04...	0.010	0.050	0.050	E0.030	0.030	1.9	23	0.38
04...	0.010	0.050	0.050	E0.030	0.040	2.1	11	0.19
04...	0.010	0.060	0.050	E0.050	0.040	1.7	9	0.15
04...	0.010	0.060	0.050	E0.040	0.040	1.9	12	0.23
04...	0.010	0.060	0.070	E0.040	0.040	1.7	64	1.2
05...	0.010	0.070	0.070	E0.040	0.040	1.9	18	0.40
05...	0.010	0.080	0.070	E0.090	0.040	1.9	20	0.48
05...	0.010	0.080	0.080	0.080	0.040	1.7	26	0.67
05...	0.010	0.090	0.070	0.100	0.050	1.7	19	0.50
05...	0.010	0.080	0.070	0.040	0.050	1.5	19	0.49
05...	0.010	0.080	0.050	E0.060	0.050	1.8	17	0.40

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

YAZOO RIVER BASIN--Continued

BLACK CREEK BASIN STUDY--Continued

07287375 BLACK CREEK AT BOWLING GREEN, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
AUG								
03...	1500	6.2	85	7.0	27.5	8.9	100	140
03...	1800	6.2	85	7.1	28.0	8.4	--	--
03...	2100	6.4	--	--	26.0	7.9	--	--
04...	0600	6.2	79	6.8	24.5	6.8	--	--
04...	0900	7.8	78	7.1	24.5	7.1	420	1900
04...	1200	8.4	78	6.8	24.0	8.4	--	--
04...	1500	13	71	6.9	24.0	8.5	3800	9500
04...	1800	15	81	6.4	23.5	7.0	--	--
04...	2100	18	77	6.6	24.0	7.4	4700	4300
04...	2400	48	73	7.0	24.0	6.2	--	--
05...	0300	50	65	7.0	24.0	5.8	480	2000
05...	0600	59	62	6.8	23.5	7.3	--	--
05...	0900	48	63	6.9	23.5	8.0	2300	3600
05...	1200	34	66	7.1	24.0	8.0	--	--
05...	1500	20	60	6.9	25.0	8.1	3800	4600

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
AUG								
03...	0.010	<0.020	0.010	0.020	0.040	2.1	--	--
03...	0.010	<0.020	0.010	<0.020	0.040	2.5	--	--
03...	0.010	<0.020	0.010	0.050	0.050	2.3	37	0.64
04...	0.010	<0.020	0.010	0.020	0.040	2.4	309	5.2
04...	0.020	<0.020	0.030	0.070	0.070	2.5	--	--
04...	0.010	0.020	0.020	0.070	0.070	2.4	44	1.0
04...	0.020	0.040	0.040	0.140	0.100	2.9	109	3.8
04...	0.010	0.020	0.030	0.070	0.070	2.9	260	11
04...	0.020	0.040	0.040	0.090	0.090	2.9	74	3.6
04...	0.020	0.060	0.030	0.100	0.090	2.6	96	12
05...	0.020	0.080	0.040	0.100	0.080	3.4	78	11
05...	0.020	0.080	0.050	0.130	0.130	5.1	84	13
05...	0.020	0.080	0.060	0.180	0.160	7.1	91	12
05...	0.030	0.110	0.070	0.200	0.180	7.6	102	9.4
05...	0.030	0.120	0.070	0.220	0.190	8.1	97	5.2

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

YAZOO RIVER BASIN--Continued

BLACK CREEK BASIN STUDY--Continued

07287405 BLACK CREEK AT HOWARD, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
AUG								
03...	1530	51	173	7.2	28.5	6.4	240	K30
03...	1830	51	171	7.2	28.0	6.8	--	--
03...	2130	51	173	7.2	28.0	6.2	240	380
04...	0030	51	173	7.4	28.0	5.0	--	--
04...	0330	51	172	7.4	27.0	5.3	160	130
04...	0630	70	171	7.1	27.5	6.4	--	--
04...	0930	94	169	7.0	28.0	5.8	K80	K90
04...	1230	120	169	7.1	28.0	5.6	--	--
04...	1530	162	169	6.9	28.0	5.4	K300	K350
04...	1830	273	166	7.1	31.0	5.6	--	--
04...	2130	248	166	7.3	26.5	5.2	4300	2000
05...	0030	223	165	7.3	26.0	6.0	--	--
05...	0330	198	132	7.4	26.0	6.0	5800	6900
05...	0630	173	112	7.2	22.0	5.2	--	--
05...	0930	148	109	7.4	26.0	5.6	K8200	9400
05...	1230	123	113	7.1	24.0	6.2	--	--
05...	1530	98	115	7.1	26.0	6.6	4200	4400

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
AUG								
03...	0.010	0.160	0.050	0.060	0.030	2.1	18	2.5
03...	0.010	0.170	0.040	0.080	0.030	2.2	16	2.2
03...	0.010	0.180	0.070	0.070	0.030	2.0	30	4.1
04...	0.010	0.180	0.070	0.030	0.040	2.0	19	2.6
04...	0.010	0.190	0.060	0.030	0.040	1.8	17	2.3
04...	0.010	0.190	0.070	0.050	0.030	2.0	22	4.2
04...	0.010	0.180	0.100	0.090	0.040	2.1	20	5.1
04...	0.010	0.160	0.140	0.080	0.040	2.0	18	5.8
04...	0.010	0.170	0.100	0.040	0.040	2.0	34	15
04...	0.010	0.180	0.090	0.070	0.040	1.9	30	22
04...	0.020	0.180	0.110	0.070	0.060	2.6	54	36
05...	0.020	0.140	0.070	0.130	0.080	2.4	118	71
05...	0.050	0.220	0.140	0.330	0.180	3.2	185	99
05...	0.050	0.270	0.160	0.380	0.200	4.0	214	100
05...	0.050	0.230	0.120	0.330	0.220	4.8	171	68
05...	0.040	0.210	0.120	0.320	0.160	4.6	136	45
05...	0.030	0.220	0.110	0.260	0.150	4.8	122	32

HARRISON COUNTY

302355088540301. Local number, M120.

LOCATION.--Lat 30°23'55", long 88°54'03", in NW1/4 SE1/4 sec.26, T.7 S., R.9 W., St. Stephens Meridian, Harrison County.

Hydrologic Unit 03170004, at Howard Avenue and Querens Street, 1.0 mi west of center of Biloxi.

Owner: City of Biloxi.

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

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth reported 928 ft, sounded to 660 ft.

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

DATUM.--Land-surface datum is 21.28 ft above sea level (from topographic map).

Measuring point: Top of 8-in flange, 3.00 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

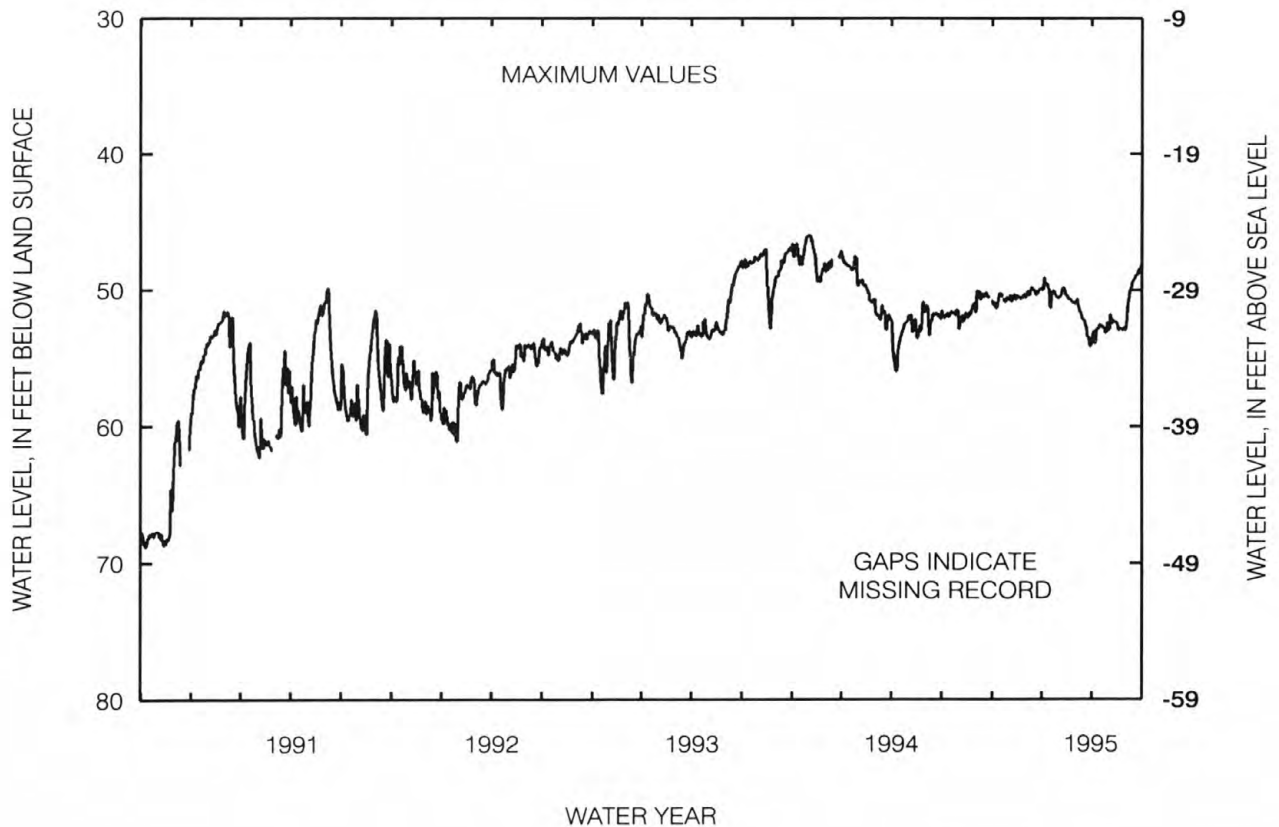
PERIOD OF RECORD.--Miscellaneous water-level measurements 1903, periodic water-level measurements January 1945 to June 1946, March 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 44.0 ft above land-surface datum, 1903, lowest, 79.14 ft below land-surface datum, Aug. 5, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	51.93	52.11	50.05	51.02	50.82	50.33	49.53	50.51	50.66	53.01	52.02	51.24
10	51.83	52.22	50.33	51.22	50.34	50.39	49.54	49.89	51.61	52.83	52.23	49.95
15	51.90	51.83	---	50.23	50.37	49.94	50.28	50.37	52.18	52.52	52.35	49.29
20	51.66	51.75	50.30	---	50.51	50.16	50.33	50.67	52.57	52.57	52.91	48.91
25	51.71	51.42	50.56	50.89	50.58	50.22	50.27	50.75	53.42	52.85	52.86	48.49
EOM	51.52	50.95	---	50.67	50.32	49.90	50.55	51.00	54.02	52.97	52.93	48.17

WTR YR 1995 MEAN 51.16 HIGH 48.17 SEP 30 LOW 54.10 JUN 28



GROUND-WATER LEVELS

257

HARRISON COUNTY--Continued

302406088593201. Local number, M544.

LOCATION.--Lat 30°24'06", long 88°59'32", in NW1/4 SE1/4 sec.28, T.7 S., R.10 W., St. Stephens Meridian, Harrison County.

Hydrologic Unit 03170009, at Edgewater Subdivision, Lakeview Drive, north of Pass Road, near center of Biloxi.

Owner: City of Biloxi.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 800 ft.

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

DATUM.--Land-surface datum is 25 ft above sea level (from topographic map).

Measuring point: 1/2-in. plastic plug, top of seal, 1.00 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

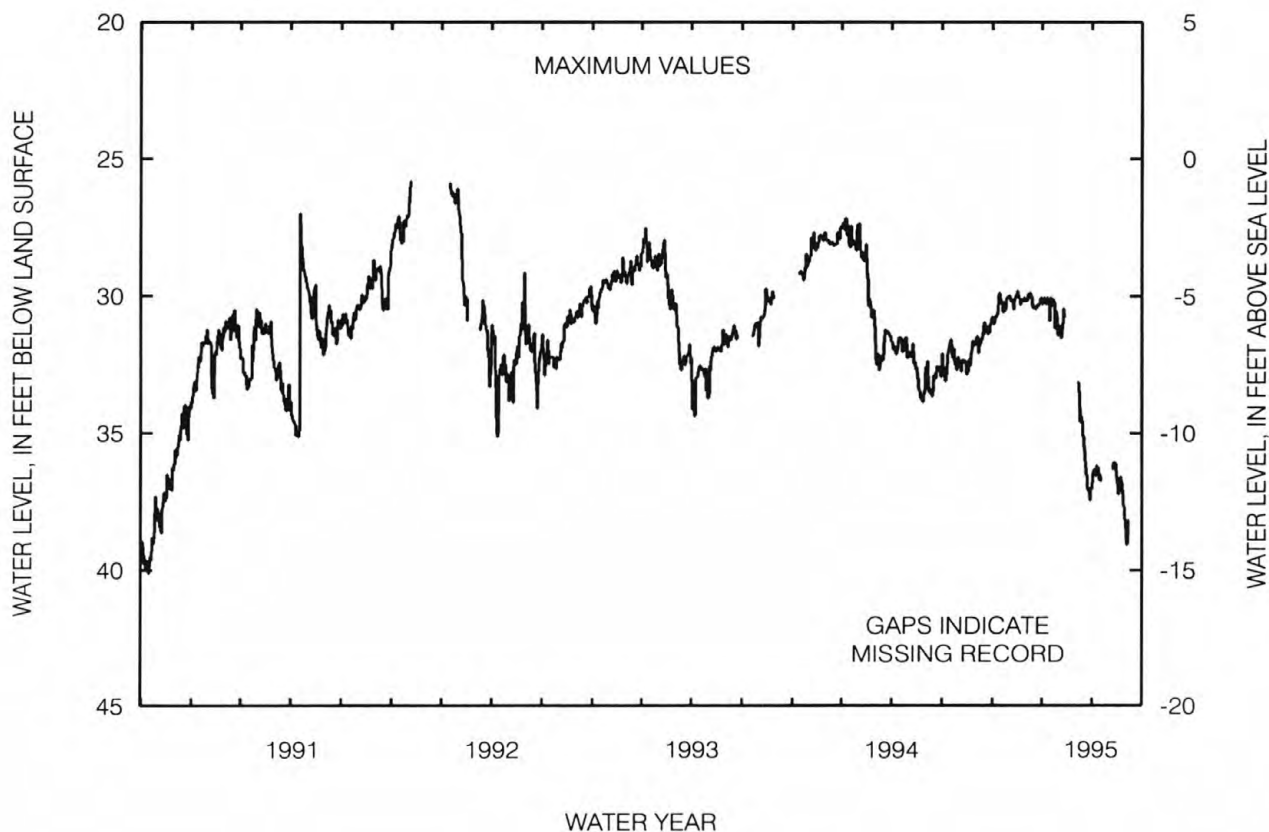
PERIOD OF RECORD.--Miscellaneous water-level measurements June 1969, October 1981, April 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 19.49 ft above land-surface datum, Apr. 23, 1983, lowest, 42.25 ft below land-surface datum, July 2, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	32.60	32.64	31.47	30.97	30.13	30.18	30.15	31.28	---	36.32	---	38.72
10	32.87	32.42	31.73	30.68	30.18	30.07	30.18	30.45	34.59	36.18	36.08	---
15	31.82	32.81	31.33	29.93	29.92	30.36	30.91	---	35.11	36.71	36.38	---
20	32.13	32.31	31.14	30.57	30.09	30.47	30.25	---	36.28	---	37.13	---
25	32.38	31.96	31.16	30.53	30.17	30.37	31.18	---	37.10	---	36.83	---
EOM	32.23	31.81	30.86	30.10	30.05	30.05	31.42	---	36.99	---	38.16	---

WTR YR 1995 MEAN 32.38 HIGH 29.81 FEB 16 LOW 39.07 SEP 3



HINDS COUNTY

321957090105601. Local number, H155.

LOCATION.--Lat 32°19'57", long 90°10'56", in NW1/4 SE1/4 sec.27, T.6 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, on North West Street near Taylor Street, 2.0 mi north of center of Jackson.

Owner: Department of Environmental Quality, Office of Geology.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well (test hole), diameter 4 in, depth 158 ft.

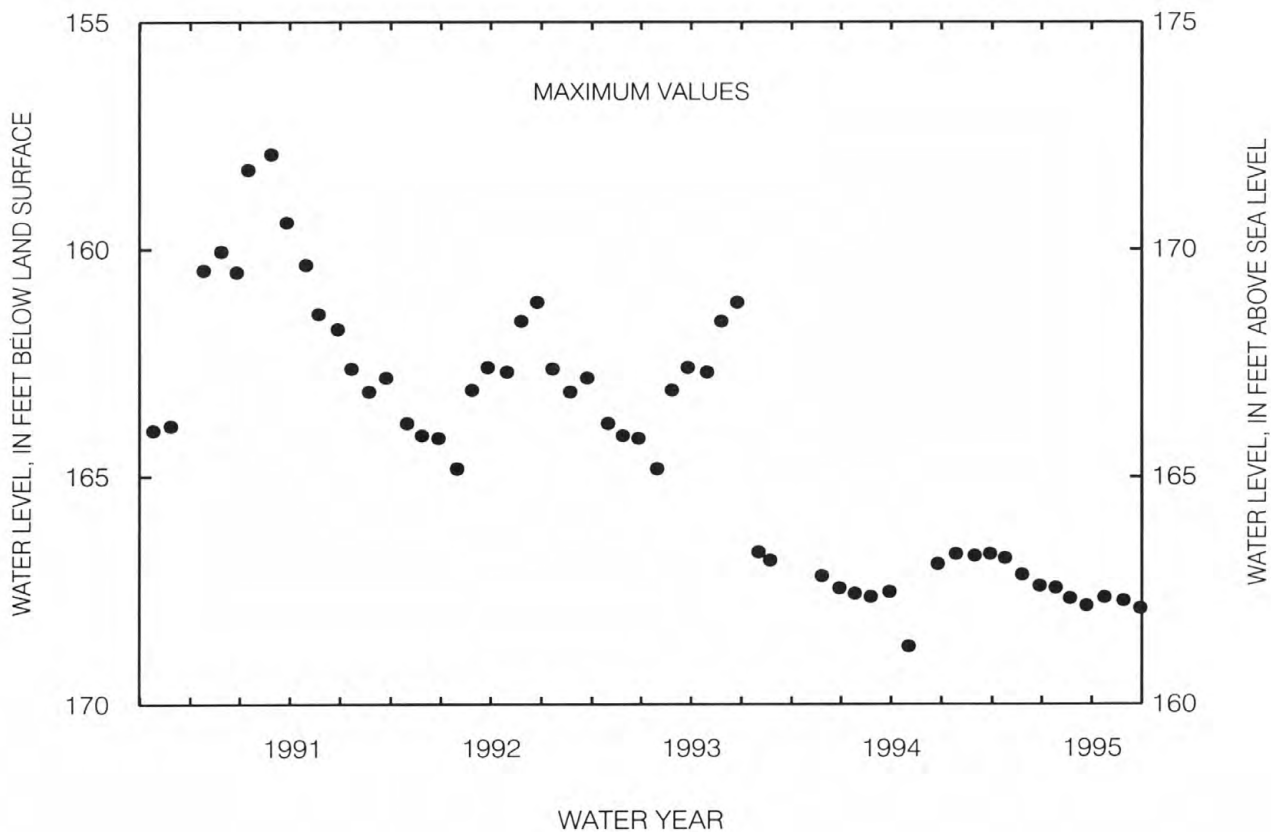
DATUM.--Land-surface datum is 330 ft above sea level. Measuring point: Top of casing, 40 ft above land-surface datum.

PERIOD OF RECORD.--Periodic water-level measurements July 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 143.13 ft below land-surface datum, Jul. 11, 1972, lowest measured, 167.89 ft below land-surface datum, Sept. 27, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	166.70	DEC 28	166.70	FEB 24	167.15	APR 26	167.44	JUN 21	167.83	AUG 22	167.72
NOV 30	166.74	JAN 24	166.79	MAR 28	167.40	MAY 25	167.67	JUL 24	167.65	SEP 27	167.89



JACKSON COUNTY

302103088294701. Local number, Q403.

LOCATION.--Lat 33°21'03", long 88°29'47", in NE1/4 SE1/4 sec.17, T.8 S., R.5 W., St. Stephens Meridian, Jackson County.
Hydrologic Unit 03170009, 3.7 mi east southeast of center of Pascagoula, on west side of State Highway 611 at Coastal Chemical Co.

Owner: U.S. Geological Survey.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 346 ft, cased to 340 ft.

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

DATUM.--Land-surface datum is 12 ft above sea level (from topographic map).

Measuring point: Top of casing, 3.3 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

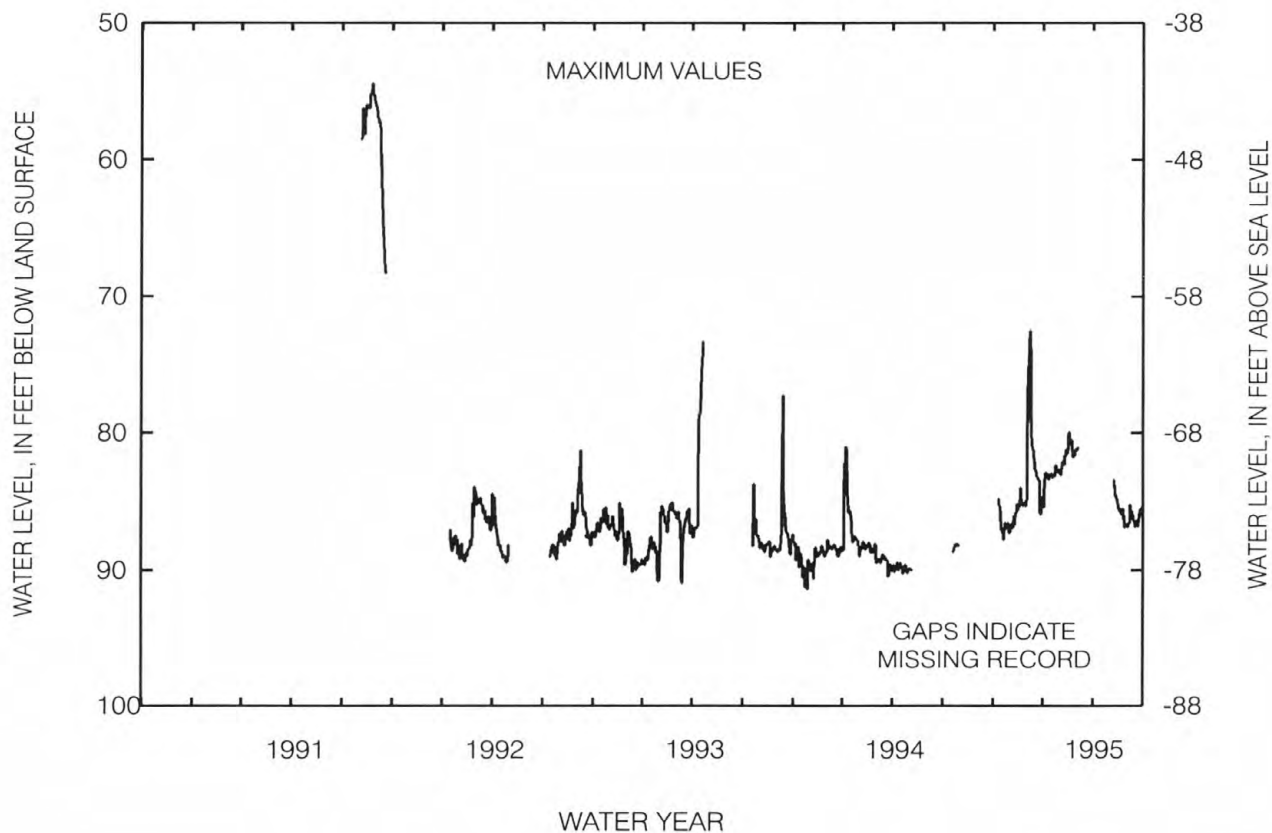
PERIOD OF RECORD.--June 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 45.90 ft below land-surface datum, Apr. 17, 1991;
lowest measured, 145.1 ft below land-surface datum, Jun. 19, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	86.89	76.54	83.33	82.67	---	---	---	86.53
10	---	---	---	---	86.15	73.83	82.98	82.34	---	---	83.84	85.67
15	---	---	---	86.45	85.61	81.27	83.08	81.34	---	---	84.93	86.62
20	88.66	---	---	87.79	84.01	82.84	83.22	80.37	---	---	85.49	86.35
25	88.09	---	---	86.64	85.14	83.46	82.35	81.36	---	---	85.53	85.71
EOM	88.20	---	---	87.25	85.30	84.68	82.80	81.23	---	---	86.76	85.44

WTR YR 1995 MEAN 84.31 HIGH 72.51 MAR 9 LOW 88.66 OCT 20



HINDS COUNTY--Continued

322241090073701. Local number, H160.

LOCATION.--Lat 32°22'41", long 90°07'37", in SE1/4 NE1/4 sec.7, T.6 N., R.2 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, northeast of center of Jackson at Old Canton Road and Parkway Drive.
 Owner: Colonial Country Club.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth reported 773 ft, cased to 634 ft.

DATUM.--Land-surface datum is 305 ft above sea level (from topographic map).

Measuring point: Top of casing, at land-surface datum.

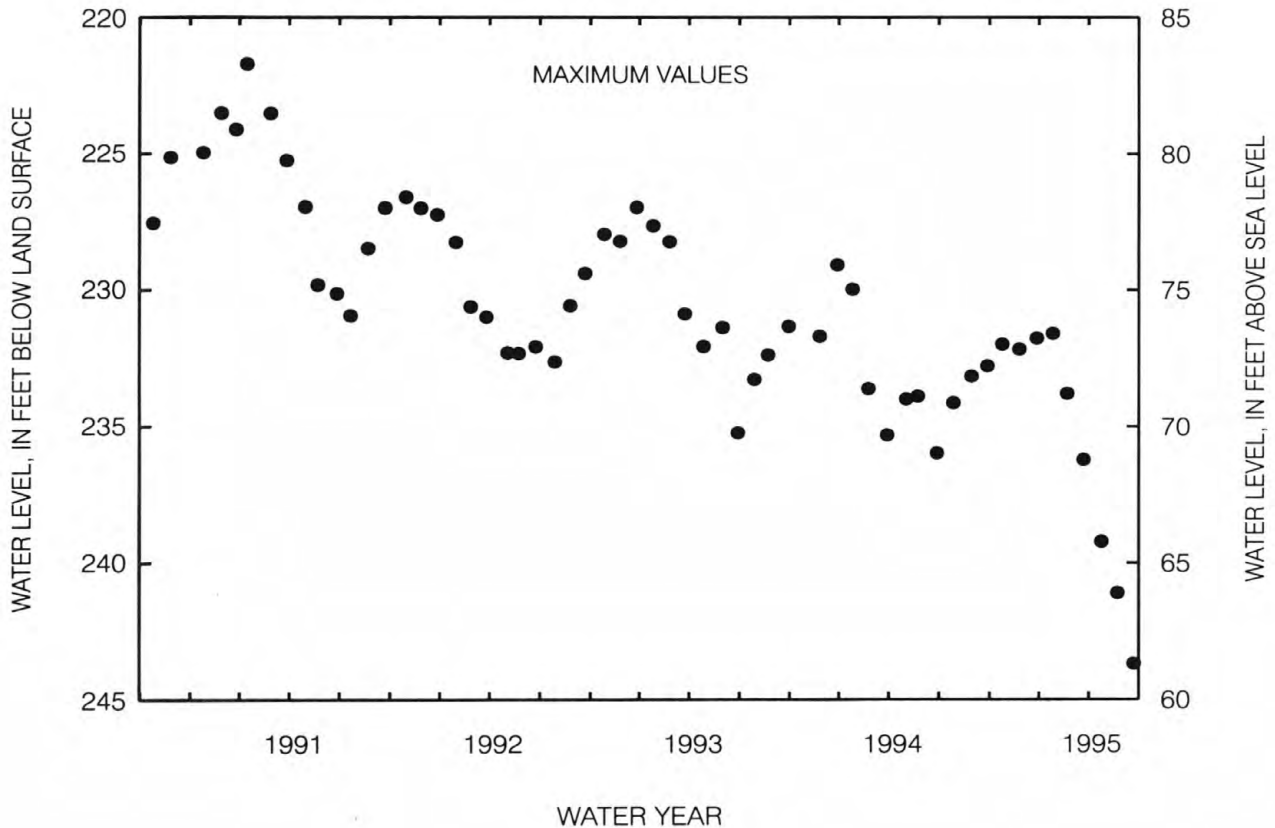
REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 136.73 ft below land-surface datum, Mar. 30, 1954,
 lowest measured, 243.68 ft below land-surface datum, Sept. 21, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	234.14	DEC 28	232.78	FEB 24	232.17	APR 26	231.60	JUN 21	236.22	AUG 23	241.10
NOV 29	233.16	JAN 24	231.99	MAR 28	231.77	MAY 22	233.80	JUL 24	239.22	SEP 21	243.68



HARRISON COUNTY

303110089070201. Local number, G121.

LOCATION.--Lat 30°31'10", long 87°07'02", in NE1/4 SW1/4 sec.17, T.6 S., R.11 W., St. Stephens Meridian, Harrison County.

Hydrologic Unit 03170009, 2 mi northwest of center of Lyman at fish hatchery.

Owner: Mississippi Wildlife Conservation Department, Fisheries Division.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in, depth 456 ft, screened 416-456 ft.

DATUM.--Land-surface datum is 70 ft above sea level (from topographic map).

Measuring point: Top of casing, 0.40 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--1939, July 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.0 ft below land-surface datum, Apr. 14, 1939, lowest measured, 75.65 ft below land-surface datum, Apr. 7, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	70.32	APR 10	68.44

303046089052301. Local number, G430.

LOCATION.--Lat 30°30'46", long 89°05'23", in NE1/4 NE1/4 sec.21, T.6 S., R.11 W., St. Stephens Meridian, Harrison County.

Hydrologic Unit 03170009, .07 mi east and 1 mi north of intersection of U.S. Highway 49 and State Highway 53 on Smith Road.

Owner: William Ladner.

AQUIFER.--Sand of Hattiesburg formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 2 in, depth 1780 ft.

DATUM.--Land-surface datum is 55 ft above sea level (from topographic map).

Measuring point: Top of 2-inch tee, 2.0 ft above land-surface datum.

REMARKS.--Free flowing artesian well.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.2 ft above land-surface datum, October 14, 1992, lowest measured, 13.4 ft above land-surface datum, Oct. 18, 1994.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	-13.4	APR 10	-13.9

302400089022403. Local number, L141.

LOCATION.--Lat 30°22'40", long 89°02'54", in SW1/4 NW1/4 sec.1, T.8 S., R.11 W., St. Stephens Meridian, Harrison County.

Hydrologic Unit 03170009, 2.5 mi east of center of Gulfport at V.A. Hospital on U.S. Highway 90.

Owner: U.S. Government (V.A. Hospital).

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

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth reported 898 ft, cased to 818 ft.

DATUM.--Land-surface datum is 21 ft above sea level (from topographic map).

Measuring point: Steel plate on top of tee, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--March 1939, June 1957 to December 1958, April 1960 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.3 ft above land-surface datum, Mar. 17, 1939, lowest measured, 53.62 ft below land-surface datum, Apr. 10, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	51.66	APR 10	53.62

302200089053301. Local number, L154.

LOCATION.--Lat 30°22'00", long 89°05'33", in NW1/4 NE1/4 sec.9, T.8 S., R.11 W., St. Stephens Meridian, Harrison County.

Hydrologic Unit 03170009, at center of Gulfport at post office at U.S. Highways 49 and 90.

Owner: U.S. Post Office Department, Gulfport.

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

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in, depth 1,262 ft, screened 1,232-1,262 ft.

DATUM.--Land-surface datum is 19.62 ft above sea level.

Measuring point: Top of 3-in casing tee, 1.70 ft above land-surface datum.

PERIOD OF RECORD.--March 1939 to October 1950, January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.1 ft above land-surface datum, Jan. 31, 1940, lowest measured, 15.14 ft below land-surface datum, Mar. 29, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	13.72	APR 10	12.95

GROUND-WATER LEVELS

HARRISON COUNTY--Continued

302410089082201. Local number, L654.

LOCATION.--Lat 30°24'10", long 89°08'22", in SW1/4 SE1/4 sec.30, T.7 S., R.11 W., St. Stephens Meridian, Harrison County.

Hydrologic Unit 03170009, 1 mi west of center of Biloxi.

Owner: Dolan Trailer Park.

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

WELL CHARACTERISTICS.--Drilled public supply artesian well, diameter 4 in, depth 1,690 ft.

DATUM.--Land-surface datum is 17 ft above sea level (from topographic map).

Measuring point: Top of well casing, at land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--April 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.8 ft above land-surface datum, Apr. 30, 1986, lowest measured, 38.5 ft above land-surface, Aug. 9, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	-41.6	AUG 9	-38.5

301856089145301. Local number, N003.

LOCATION.--Lat 30°18'56", long 89°14'53", in SW1/4 NW1/4 sec.30, 8 S., R.13 W., St. Stephens Meridian, Harrison County.

Hydrologic Unit 03170009, 0.1 mi northwest of center of Pass Christian at 2nd and Clark Streets.

Owner: City of Pass Christian.

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

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 1,111 ft, cased to 1,051 ft.

DATUM.--Land-surface datum is 15 ft above sea level (from topographic map).

Measuring point: Top of 8-in tee, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--1948, 1968, August 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39 ft above land-surface datum, 1948, lowest measured, 6.64 ft below land-surface datum, Oct. 14, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	5.60	JAN 11	5.22	APR 10	4.37

302204089102701. Local number, O307.

LOCATION.--Lat 30°22'04", long 89°10'27", in NE1/4 NE1/4 sec.10, T.8 S., R.12 W., St. Stephens Meridian, Harrison County.

Hydrologic Unit 03170009, 2.5 mi north of US Highway 90 at Long Beach.

Owner: City of Long Beach.

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

WELL CHARACTERISTICS.--Drilled public supply artesian well, diameter 16 in, depth 1,640 ft.

DATUM.--Land-surface datum is 24 ft above sea level (from topographic map).

PERIOD OF RECORD.--July 1993, October 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.5 ft above land-surface datum, Oct. 18, 1994, lowest measured, 39 ft above land-surface datum, July 10, 1993.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
OCT 18	-40.5

3022170890991301. Local number, O308.

LOCATION.--Lat 30°22'17", long 89°09'13", in SE1/4 SE1/4 sec.2, T.8 S., R.12 W., St. Stephens meridian, Harrison County.

Hydrologic Unit 03170009, 2 mi north of US Highway 90 at Long Beach.

Owner: City of Long Beach.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled public supply artesian well, diameter 16 in, depth 764 ft.

DATUM.--Land-surface datum is 22 ft above sea level (from topographic map).

Measuring point: Air vent at pump base, 2.10 ft above land-surface datum.

PERIOD OF RECORD.--July 1993, October 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.9 ft above land-surface datum, Oct. 18, 1994, lowest measured, 27.5 ft above land-surface datum, Apr. 10, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	-29.9	APR 10	-27.5

HARRISON COUNTY--Continued

302139089121001. Local number, 0320.

LOCATION.--Lat 30°21'39", long 89°12'10", in NW1/4 SW1/4 sec.9, T.8 S., R.12 E., St. Stephens Meridian, Harrison County.

Hydrologic Unit 03170009, 2.5 mi north of US Highway 90 at Pass Christian.

Owner: Mississippi Gulf Coast Community College.

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

WELL CHARACTERISTICS.--Drilled aquaculture artesian well, diameter 4 in, depth 1,860 ft.

DATUM.--Land-surface datum is 25 ft above sea level (from topographic map).

Measuring point: 3/4 in plug along discharge line, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--May 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30 ft above land-surface datum, May 3, 1995, lowest measured, 30 ft above land-surface datum, May 3, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
MAY 3	-30.0

HINDS COUNTY

322112090195601. Local number, G059.

LOCATION.--Lat 32°21'12", long 90°19'56", in NW1/4 NW1/4 sec.19, T.6 N., R.1 W., Choctaw Meridian, Hinds County.

Hydrologic Unit 08060202, at Clinton Industrial Park, off west Northside Drive.

Owner: City of Clinton.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in, depth 893 ft.

DATUM.--Land-surface datum is 325 ft above sea level (from topographic map).

Measuring point: Air vent at pump base, 2.10 ft above land-surface datum.

REMARKS.--Water level affected by length of time pump off before measurement made.

PERIOD OF RECORD.--April 1960, September 1976, October 1980, July 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 192.0 ft below land-surface datum, Apr. 15, 1960, lowest measured, 244.22 ft below land-surface datum, Aug. 22, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	240.76	DEC 28	239.25	FEB 24	240.47	APR 26	240.73	JUN 21	242.92	AUG 22	244.22
NOV 29	240.48	JAN 24	240.19	MAR 28	240.45	MAY 22	240.80	JUL 24	242.39	SEP 27	244.05

322128090174901. Local number, G101.

LOCATION.--Lat 32°21'28", long 90°17'49", in SE1/4 SE1/4 sec.16, T.6 N., R.1 W., Choctaw Meridian, Hinds County.

Hydrologic Unit 08060202, 2.5 mi northeast of center of Clinton off Northside Drive.

Owner: City of Clinton.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16 in, depth 842 ft.

DATUM.--Land-surface datum is 297 ft above sea level (from topographic map).

Measuring point: Air vent at pump base, 2.15 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--July 1984, May 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 225 ft below land surface datum, July 18, 1984, lowest measured, 285.92 ft below land-surface datum, Feb. 25, 1994.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	265.01	DEC 28	244.52	FEB 24	250.85	APR 26	249.87	JUN 21	257.45	AUG 22	258.05
NOV 29	244.37	JAN 24	242.33	MAR 29	243.57	MAY 22	253.40	JUL 24	249.13	SEP 27	247.58

322301090090001. Local number, H023.

LOCATION.--Lat 32°23'01", long 90°09'00", in NW1/4 NE1/4 sec.12 T.6 N., R.1 E., Choctaw Meridian, Hinds County.

Hydrologic Unit 03180002, 6.0 mi north of center of Jackson at Briarwood Drive and US Interstate 55.

Owner: Kenneth Muse.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 728 ft.

DATUM.--Land-surface datum is 315 ft above sea level (from topographic map).

Measuring point: Top of casing, 0.65 ft above land-surface datum.

PERIOD OF RECORD.--October 1955 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 161.96 ft below land-surface datum, Apr. 12, 1957, lowest measured, 260.90 ft below land-surface datum, Sept. 21, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	251.37	DEC 28	250.34	FEB 24	249.92	APR 26	250.24	JUN 21	253.20	AUG 22	258.83
NOV 30	250.71	JAN 24	249.50	Mar 28	249.71	MAY 22	253.19	JUL 24	256.25	SEP 21	260.90

GROUND-WATER LEVELS

HINDS COUNTY--Continued

322223090132801. Local number, H163.

LOCATION.--Lat 32°22'23", long 90°13'28", in sec.8, T.6 N., R.1 E., Choctaw Meridian, Hinds County.

Hydrologic Unit 03180002, 5.5 mi northwest of center of Jackson on Forest Avenue.

Owner: Tri State Brick Company.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 824 ft.

DATUM.--Land-surface datum is 354 ft above sea level (from topographic map).

Measuring point: 11/4-in plug at top of well head, 1.50 ft above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--April 1972, June 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 272 ft below land-surface datum Apr. 1, 1974, lowest measured, 301.89 ft below land-surface datum July 27, 1993.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	295.00	DEC 28	294.80	FEB 24	295.80	APR 26	295.60	JUN 21	294.65	AUG 22	292.85
NOV 30	298.50	JAN 24	292.40	MAR 28	292.10	MAY 22	292.90	JUL 24	293.20	SEP 27	293.37

322222090095201. Local number, H164.

LOCATION.--Lat 32°22'22", long 90°09'52", in SW1/4 SE1/4 sec.11, T.6 N., R.1 E., Choctaw Meridian, Hinds County.

Hydrologic Unit 03180002, 7 mi north of center of Jackson on North State Street.

Owner: Homewood Manor Traylor Court.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused domestic artesian well, diameter 4 in, depth 738 ft.

DATUM.--Land-surface datum is 298 ft above sea level (from topographic map).

Measuring point: Plug in west side of casing, 0.3 ft above land-surface datum.

PERIOD OF RECORD.--January 1975, June 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 195.65 ft below land-surface datum, June 10, 1977, lowest measured 239.22 ft below land-surface datum, Aug. 22, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	229.16	DEC 28	228.00	FEB 24	227.09	APR 26	227.04	JUN 21	230.17	AUG 22	239.22
Nov 30	228.23	JAN 24	227.32	MAR 28	226.91	MAY 22	228.94	JUL 24	233.44	SEP 27	238.58

322003090092501. Local number, H196.

LOCATION.--Lat 32°20'03", long 90°09'25", in SE1/4 NE1/4 sec.25, T.6 N., R.1 E., Choctaw Meridian, Hinds County.

Hydrologic Unit 03180002, near intersection of Interstate 55 and Lakeland Drive at Mississippi Agriculture and Forestry Museum.

Owner: Mississippi Department of Agriculture.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 275 ft.

DATUM.--Land-surface datum is 290 ft above sea level (from topographic map).

Measuring point: Top of 4-inch well seal, 0.8 ft above land-surface datum.

PERIOD OF RECORD.--April 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 135.14 ft below land-surface datum, Apr. 26, 1994, lowest measured, 137.93 ft below land-surface datum, July 24, 1995

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	136.49	DEC 28	136.58	FEB 24	137.79	APR 26	136.50	JUN 21	137.91	AUG 22	137.63
NOV 29	136.58	JAN 24	136.78	MAR 28	136.69	MAY 23	137.38	JUL 24	137.93	---	---

321445090160001. Local number, M094.

LOCATION.--Lat 32°14'52", long 90°16'00", in SW1/4 NE1/4 sec. 26, T.5N., R.1 W., Choctaw Meridian, Hinds County.

Hydrologic Unit 08060202, on Forest Hill Road in south Jackson.

Owner: City of Jackson.

AQUIFER.--Sparta sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in, depth 1,079 ft.

DATUM.--Land-surface datum is 360 ft above sea level (from topographic map).

Measuring point: Air vent at pump base, 4.10 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--August 1968, April 1973, May 1987, May 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 225 ft below land-surface datum, Aug. 1968, lowest measured, 293.17 ft below land-surface datum July 27, 1993.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	281.89	DEC 28	280.07	FEB 24	281.08	APR 26	287.94	JUN 21	288.59	AUG 22	285.40
NOV 29	280.90	JAN 24	281.12	MAR 28	281.33	MAY 22	282.02	JUL 24	291.53	---	---

HINDS COUNTY--Continued

321423090180201. Local number, M112.

LOCATION.--Lat 32°14'22", long 90°18'01", in SW1/4 SE1/4 sec. 28, T.5 N., R.1 W., Choctaw Meridian, Hinds County.

Hydrologic Unit 08060202, on Siwell Road next to fire station in south Jackson.

Owner: City of Jackson.

AQUIFER.--Sparta sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public supply artesian well, diameter 16 in, depth 1,398 ft.

DATUM.--Land-surface datum is 330 ft above sea level (from topographic map).

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--October 1980, May 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 250 ft below land-surface datum, Oct. 20, 1980, lowest measured, 269.61 ft below land-surface datum, May 22, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
---	---	DEC 28	259.20	---	---	APR 26	263.87	JUN 21	264.33	AUG 22	269.00
NOV 29	259.65	---	---	MAR 28	265.56	MAY 22	269.61	JUL 24	269.10	---	---

321752090102601. Local number, N092.

LOCATION.--Lat 32°17'52", long 90°10'26", in SW1/4 SW1/4 sec.2, T.5 N., R.1 E., Choctaw Meridian, Hinds County.

Hydrologic Unit 03180002, southeast corner of Mississippi State Fairgrounds off Jefferson Street.

Owner: Mississippi Fair Commission.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 260 ft.

DATUM.--Land-surface datum is 271 ft above sea level (from topographic map).

Measuring point: Top of 4-in casing, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--June 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 99.01 ft below land-surface datum, June 6, 1986, lowest measured 105.89 ft below land-surface datum, Sept. 5, 1995

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	105.04	DEC 28	105.13	FEB 24	105.10	APR 26	103.75	JUN 21	105.44	AUG 23	105.60
NOV 29	104.89	JAN 24	104.88	MAR 28	105.30	MAY 22	105.39	JUL 24	105.62	SEP 27	105.89

320554090173902. Local number, V033.

LOCATION.--Lat 32°04'30", long 90°54'33", in NW1/4 SW1/4 sec.15, T.3 N., R.1 W., Choctaw Meridian, Hinds County.

Hydrologic Unit 03180002, near intersection of Jackson Street and Raymond Street in Terry.

Owner: Town of Terry.

AQUIFER.--Sand of Forest Hill Formation of Oligocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10 in, depth 473 ft.

DATUM.--Land-surface datum is 286 ft above sea level (from topographic map).

Measuring point: Top of concrete base, 1.65 ft above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--September 1959, September 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 65 ft below land-surface datum, September 1959, lowest measured, 176.52 ft below land-surface datum, Aug. 22, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	163.97	DEC 28	159.84	FEB 24	160.78	APR 26	160.50	JUN 21	168.57	AUG 22	176.52
NOV 29	160.91	JAN 24	160.83	MAR 28	160.29	MAY 22	162.53	JUL 24	172.88	---	---

JACKSON COUNTY

302454088493401. Local number, N048.

LOCATION.--Lat 30°24'55", long 88°49'35", in SE1/4 SW1/4 sec.19, T.7 S., R.8 W., St. Stephens Meridian, Jackson County.

Hydrologic Unit 03170009, 0.1 mi east of depot at Ocean Springs at Robinson Avenue and Cash Alley.

Owner: Larry Casper (Formerly L & N Railroad).

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth reported 535 ft, screened 495-535 ft cased to 495 ft.

DATUM.--Land-surface datum is 23 ft above sea level (from topographic map).

Measuring point: Top of 4-in discharge pipe, 2.50 ft above land-surface datum.

PERIOD OF RECORD.--1928, April 1939, August 1958 to July 1963, July 1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.0 ft above land-surface datum, 1928, lowest measured, 102.05 ft below land-surface datum, Apr. 12, 1994.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	95.96	APR 11	86.97

JACKSON COUNTY--Continued

302503088481602. Local number, N511.
 LOCATION.--Lat 30°25'03", long 88°48'16", in NE1/4 SE1/4 sec.20, T.7 S., R.8 W., St. Stephens Meridian, Jackson County.
 Hydrologic Unit 03170009, 1.5 mi east of old depot at Ocean Springs.
 Owner: Tommy Moreton.
 AQUIFER.--Sand of Pascagoula Formation of late Miocene age.
 WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 3 in, depth 1,280 ft, screened 1,240-1,280 ft.
 DATUM.--Land-surface datum is 5 ft above sea level (from topographic map).
 Measuring point: Top of 3-in tee, 2 ft above land-surface datum.
 PERIOD OF RECORD.--July 1984 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.0 ft above land-surface datum, July 1, 1984,
 lowest measured, 6.9 ft above land-surface Oct. 19, 1994.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	-6.9	APR 11	-9.2

302439088493801. Local number, N566.
 LOCATION.--Lat 30°24'39", long 88°49'38", in sec.30, T.7 N., R.8 W., St. Stephens Meridian, Jackson County.
 Hydrologic Unit 03170009, 0.4 mi south of US Highway 90 at elevated tank on Porter Street off Washington Avenue
 in Ocean Springs.
 Owner: City of Ocean Springs.
 AQUIFER.--Sand of Pascagoula Formation of late Miocene age.
 WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 16 in, depth 950 ft.
 DATUM.--Land-surface datum is 20 ft above sea level (from topographic map).
 Measuring point: Air vent at pump base, 2.20 ft above land-surface datum.
 PERIOD OF RECORD.--October 1994 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 45.03 ft below land-surface datum, June 5, 1995,
 lowest measured, 48.36 ft below land-surface Oct. 19, 1994.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	48.36	JUN 5	45.03

302451088325901. Local number, P045.
 LOCATION.--Lat 30°24'51", long 88°32'59", in NE1/4 NE1/4 sec.10, T.7 S., R.6 W., St. Stephens Meridian, Jackson County.
 Hydrologic Unit 03170008, 0.5 mi northwest of center of Moss Point at Weems Street and Dantzler Street.
 Owner: Central Artesian Well Co.
 AQUIFER.--Sand of Pascagoula Formation of late Miocene age.
 WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 806 ft, cased to 806 ft.
 DATUM.--Land-surface datum is 20 ft above sea level (from topographic map).
 Measuring point: Hole in tee, 0.80 ft above land-surface datum.
 PERIOD OF RECORD.--September 1919, September 1958 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.0 ft above land-surface datum, Sept. 6, 1919,
 lowest measured, 54.07 ft below land-surface datum, Nov. 6, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	39.24	APR 11	37.82

302244088325801. Local number, P068.
 LOCATION.--Lat 30°22'44", long 88°32'58", in SE1/4 NE1/4 sec.2, T.8 S., R.6 W., St. Stephens Meridian, Jackson County.
 Hydrologic Unit 03170006, 1 mi north of center of Pascagoula at Market Street and River Road.
 Owner: City of Pascagoula.
 AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.
 WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in, depth 292 ft, cased to 282 ft.
 DATUM.--Land-surface datum is 12 ft above sea level (from topographic map).
 Measuring point: Air vent in top of plate at well head, 1.00 ft above land-surface datum.
 PERIOD OF RECORD.--April 1959 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.05 ft below land-surface datum, Apr. 18, 1962,
 lowest measured, 95.90 ft below land-surface datum, July 12, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	82.10	APR 11	76.12

JACKSON COUNTY--Continued

302134088330803. Local number, P124.

LOCATION.--Lat 30°21'34", long 88°33'08", in SW1/4 SE1/4 sec.11, T.8 S., R.6 W., St. Stephens Meridian, Jackson County.
Hydrologic Unit 03170006, 0.5 mi southeast of center of Pascagoula at Communny Street east of Pascagoula Street.
Owner: City of Pascagoula.

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

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in, depth 801 ft, cased to 721 ft.

DATUM.--Land-surface datum is 10.50 ft above sea level (from topographic map).

Measuring point: Hole in northeast side of plate at well head, 1.00 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--April 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.70 ft below land-surface datum, Mar. 21, 1960,
lowest measured, 144.64 ft below land-surface datum, June 12, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	53.00	APR 11	64.45

302042088331801. Local number, P134.

LOCATION.--Lat 30°20'42", long 88°33'18", in SE1/4 sec.6, T.8 S., R.6 W., St. Stephens Meridian, Jackson County.
Hydrologic Unit 03170006, 1.5 mi south of center of Pascagoula at Farnsworth Avenue and Firth Street.
Owner: City of Pascagoula.

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

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in, depth 750 ft.

DATUM.--Land-surface datum is 10.54 ft above sea level (from topographic map).

Measuring point: Air vent in north side of pump base, 1.00 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--April 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.14 ft below land-surface datum, May 5, 1960,
lowest measured, 121.03 ft below land-surface datum, June 12, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	52.24	APR 11	53.47

30253508303501. Local number, Q025.

LOCATION.--Lat 30°25'35", long 88°30'35", in NE1/4 NE1/4 sec.20, T.7 S., R.5 W., St. Stephens Meridian, Jackson County.
Hydrologic Unit 03170008, 2 mi east of center of Escatawpa on Elder Ferry Road at packing plant.
Owner: Seacoast Products (Formerly Smith Fisheries).

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 200 ft.

DATUM.--Land-surface datum is 4 ft above sea level (from topographic map).

Measuring point: Top of casing, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--June 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.07 ft above land-surface datum, Apr. 15, 1960,
lowest measured, 49.56 ft below land-surface datum, Apr. 30, 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	17.73	APR 11	24.22

302126088293801. Local number, Q112.

LOCATION.--Lat 30°21'32", long 88°29'38", in SW1/4 SW1/4 sec.9, T.8 S., R.5 W., St. Stephens Meridian, Jackson County.
Hydrologic Unit 03170009, 5 mi southeast of center of Pascagoula on east side of State Highway 611 north of Standard Oil Refinery.

Owner: Jackson County Board of Supervisors.

AQUIFER.--Sand of Citronelle Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6-4 in, depth 202 ft, screened 192-202 ft cased to 192 ft.

DATUM.--Land-surface datum is 3.4 ft above sea level (from topographic map).

Measuring point: Top of casing, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--May 1960 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.29 ft below land-surface datum, May 6, 1960,
lowest measured, 16.22 ft below land-surface datum, July 14, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	10.38	APR 19	10.05

JACKSON COUNTY--Continued

302253088302401. Local number, Q407.

LOCATION.--Lat 30°22'53", long 88°30'24", in SW1/4 NW1/4 sec.5, T.8 S., R.5 W., St. Stephens Meridian, Jackson County.

Hydrologic Unit 03170006, 2.5 mi east of center of Pascagoula on Old Mobile Highway at Chateau Drive.

Owner: City of Pascagoula.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 327 ft.

DATUM.--Land-surface datum is 13.5 ft above sea level.

Measuring point: Top of 2 in pipe, 2.50 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--March 1975, April 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.0 ft below land-surface datum, Mar. 1, 1975, lowest measured, 146.93 ft below land-surface datum, Oct. 4, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	144.18	APR 11	121.88

302141088313101. Local number, Q424.

LOCATION.--Lat 30°21'41", long 88°31'31", in sec.30, T.8 S., R.5 W., St. Stephens Meridian, Jackson County.

Hydrologic Unit 03170009, 1.5 mi east of center of Pascagoula at Chico and Scovel Streets.

Owner: City of Pascagoula.

AQUIFER.--Sand of Citronelle Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 182 ft.

DATUM.--Land-surface datum is 12 ft above sea level (from topographic map).

Measuring point: Top of recorder house floor, 1.00 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--Sept. 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.90 ft below land-surface datum, Apr. 17, 1990, lowest measured, 25.0 ft below land-surface datum, Sept. 2, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	19.00	APR 11	18.65

JONES COUNTY

313928089103001. Local number, F020.

LOCATION.--Lat 31°39'28", long 89°10'30", in NE1/4 SE1/4 sec.14, T.8 N., R.12 W., St. Stephens Meridian, Jones County.

Hydrologic Unit 03170005, 0.2 mi south of Laurel Airport and 5.0 mi southwest of center of Laurel.

Owner: City of Laurel.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 20-12 in, depth 466 ft, cased to 406 ft.

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

DATUM.--Land-surface datum is 220 ft above sea level (from topographic map).

Measuring point: Top of recorder house floor, 2.00 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--February 1975 to August 1995 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 118.8 ft below land-surface datum, Dec. 5, 1977, lowest, 202.39 ft below land-surface datum, Aug. 15, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	150.60	JAN 10	145.69	APR 12	143.32	JUN 6	156.33	AUG 8	162.82

MADISON COUNTY

322413090101701. Local number, V013.

LOCATION.--Lat 32°24'20", long 90°09'30", in NE1/4 SE1/4 sec.35, T.7 N., R.1 E., Choctaw Meridian, Madison County.

Hydrologic Unit 03180002, 0.1 mi west of center of Tougaloo at Tougaloo College.

Owner: Tougaloo College.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 600 ft.

DATUM.--Land-surface datum is 358 ft above sea level (from topographic map).

Measuring point: Middle of tee, 3.65 ft above land-surface datum.

PERIOD OF RECORD.--August 1955, November 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 163.43 ft below land-surface datum, Aug. 18, 1955, lowest measured, 222.35 ft below land-surface datum, Sept. 21, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	219.73	DEC 28	219.55	FEB 24	219.50	APR 26	219.47	JUN 21	220.42	AUG 22	221.71
NOV 30	219.78	JAN 24	219.49	MAR 28	219.37	MAY 22	219.89	JUL 24	221.18	SEP 21	222.35

MADISON COUNTY--Continued

322415090085001. Local number, V029.

LOCATION.--Lat 32°24'15", long 90°09'44", in NW1/4 SE1/4 sec.35, T.7 N., R.1 E., Choctaw Meridian, Madison County.

Hydrologic Unit 03180002, 0.1 mi west of center of Tougaloo at Tougaloo College.

Owner: Tougaloo College.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled institutional use artesian well, diameter 12 in, depth 831 ft.

DATUM.--Land-surface datum is 355 ft above sea level (from topographic map).

Measuring point: 3/4-in air vent, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--June 1969, July 1992 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 233 ft below land-surface datum, June 1969, lowest measured, 291.42 ft below land-surface datum, Sept. 21, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
---	---	DEC 28	280.59	FEB 24	280.48	APR 26	280.39	JUN 21	291.56	AUG 23	290.68
NOV 30	281.02	JAN 24	280.04	---	---	MAY 22	280.74	JUL 24	286.25	SEP 21	291.42

322627090062401. Local number, W005.

LOCATION.--Lat 32°26'27", long 90°06'24", in NE1/4 NE1/4 sec.20, T.7 N., R.2 E., Choctaw Meridian, Madison County.

Hydrologic Unit 03180002, 1 mi southeast of center of Madison near Bruce Campbell Airport.

Owner: Willard F. Bond Home.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 500 ft.

DATUM.--Land-surface datum is 320 ft above sea level (from topographic map).

Measuring point: Top of concrete base 0.50 ft or hole in plate on well head (since Apr. 24, 1961) at land-surface datum.

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, 195.92 ft below land-surface datum, Sept. 27, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	187.62	DEC 28	184.61	FEB 24	189.00	APR 26	182.04	JUN 21	186.19	AUG 22	189.86
NOV 29	187.27	JAN 24	187.03	MAR 28	184.61	MAY 22	183.29	JUL 24	187.82	SEP 27	195.92

322528090080401. Local number, W036.

LOCATION.--Lat 32°25'28", long 90°08'04", in NE1/4 NW1/4 sec.30, T.7 N., R.2 E., Choctaw Meridian, Madison County.

Hydrologic Unit 03180002, near US Highway 51 and Natchez Trace in Ridgeland.

Owner: City of Ridgeland.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused public supply artesian well, diameter 10 in, depth 690 ft.

DATUM.--Land-surface datum is 360 ft above sea level (from topographic map).

Measuring point: Air vent at pump base, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--October 1963, April 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 167 ft below land-surface datum, Oct. 14, 1963, lowest measured, 240.60 ft below land-surface datum, Sept. 27, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR 27	237.45	MAY 22	230.74	JUN 21	233.78	JUL 25	235.87	AUG 22	237.23	SEP 27	240.60

322514090080901. Local number, W069.

LOCATION.--Lat 32°25'14", long 90°08'09", in NE1/4 SW1/4 sec.30, T.7 N., R.2 E., Choctaw Meridian, Madison County.

Hydrologic Unit 03180002, 0.5 mi south of Natchez Trace, west side of U.S. Highway 51 at Ridgeland.

Owner: City of Ridgeland.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16-inch, depth 1161 ft.

DATUM.--Land-surface datum is 350 ft above sea level (from topographic map).

Measuring point: 34-inch air vent, 1.70 ft above land-surface datum.

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, 288.05 ft below land-surface datum, Aug. 22, 1995

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	283.95	DEC 29	279.96	FEB 24	281.48	APR 26	285.24	JUN 22	286.60	AUG 22	288.05
NOV 29	284.19	JAN 25	278.79	MAR 28	281.38	MAY 23	283.38	JUL 25	287.19	---	---

GROUND-WATER LEVELS

MADISON COUNTY--Continued

322702090082301. Local number, W074.

LOCATION.--Lat 32°27'02", long 90°08'23", in SW1/4 NW1/4 sec.18, T.7 N., R.2 E., Choctaw Meridian, Madison County.
Hydrologic Unit 03180002, 0.75 mi southwest of center of Madison.

Owner: City of Madison.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in, depth 1380 ft.

DATUM.--Land-surface datum is 379 ft above sea level (from topographic map).

Measuring point: Vent pipe at pump base, 1.10 ft above land-surface datum.

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, 316.95 June 23, 1993.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	309.71	DEC 28	308.35	---	---	APR 27	309.08	JUN 21	311.60	AUG 22	316.67
NOV 29	309.47	JAN 24	308.10	MAR 28	307.14	May 23	309.05	---	---	SEP 27	311.48

OKTIBBEHA COUNTY

332740088464303. Local number, G020.

LOCATION.--Lat 33°27'13", long 88°47'13", in NE1/4 SW1/4 sec.1, T.18 N., R.14 E., Choctaw Meridian, Oktibbeha County.
Hydrologic Unit 03160104, in a pump-house, behind Walker Engineering Building at Mississippi State University.

Owner: Mississippi State University.

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

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 1,425 ft.

DATUM.--Land-surface datum is 380.16 ft above sea level.

Measuring point: Top of recorder house floor, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--Miscellaneous water-level measurements 1982, 1987; June 1991 to November 1995 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 230.56 ft below land-surface datum, Jan. 2, 1993, lowest measured, 271.21 ft below land-surface datum, Aug.20, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
NOV 15	245.52

RANKIN COUNTY

322249089582101. Local number, G043.

LOCATION.--Lat 32°22'49", long 89°58'21", in SW1/4 NW1/4 sec.10, T.6 N., R.3 E., Choctaw Meridian, Rankin County.
Hydrologic Unit 03180002, 7.4 mi north of Brandon on Spillway road.

Owner: Pearl River Valley Water Supply District.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16 in, depth 1,190 ft.

DATUM.--Land-surface datum is 320 ft above sea level (from topographic map).

Measuring point: Air vent at pump motor base, 1.70 ft above land-surface datum.

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, 208.74 ft below land-surface datum, Nov. 25, 1993.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	191.27	DEC 28	191.85	FEB 24	192.94	APR 26	192.45	JUN 21	201.90	AUG 22	199.23
NOV 29	194.08	JAN 24	191.19	MAR 28	191.64	MAY 22	195.13	JUL 25	197.82	---	---

321413090093901. Local number, K035

LOCATION.--Lat 32°16'48", long 90°10'32", in NW1/4 NW1/4 sec.14, T. 5 N., R.1 E., Choctaw Meridian, Rankin County.
Hydrologic Unit 03180002, 0.5 mi east of Pearl River on north side of US Highway 80 at Jackson.

Owner: Fred Harris (Old Billups Station).

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 600 ft.

DATUM.--Land-surface datum is 271 ft above sea level (from topographic map).

Measuring point: Top of 4 in casing, 1.40 ft above land-surface datum.

PERIOD OF RECORD.--September 1947, September 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 108.0 ft below land-surface datum Sept. 1949; lowest measured, 215.63 ft below land-surface datum, Sept. 27, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	208.60	DEC 28	205.00	FEB 24	205.82	APR 27	205.95	JUN 21	209.56	AUG 23	212.99
NOV 29	207.03	JAN 24	207.19	MAR 28	206.26	MAY 22	207.48	JUL 24	210.54	SEP 27	215.63

RANKIN COUNTY--Continued

321443090042103. Local number, K037.

LOCATION.--Lat 32°14'40", long 90°04'18", in NW1/4 SW1/4 sec.26, T.5 N., R.2 E., Choctaw Meridian, Rankin County.
Hydrologic Unit 03180002, 3 mi south of US Highway 80 at Pearl.

Owner: Mississippi State Hospital.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public supply artesian well, diameter 12 in, depth 860 ft.

DATUM.--Land-surface datum is 330 ft above sea level (from topographic map).

Measuring point: Air vent, east side of pump base at land-surface datum.

PERIOD OF RECORD.--January 1962, July 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 200.52 ft below land-surface datum, Aug. 23, 1995,
lowest measured, 201.83 ft below land-surface datum, July 25, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL
JUL 25	201.83	AUG 23	200.52

321733090081801. Local number, K041.

LOCATION.--Lat 32°18'28", long 90°08'08", in SE1/4 NW1/4 sec.6, T.5 N., R.2 E., Choctaw Meridian, Rankin County.
Hydrologic Unit 03180002, 2 mi north of US Highway 80 and .3 mi east of MS Highway 468 at Flowood.

Owner: City of Flowood.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused public supply artesian well, diameter 8 in, depth 800 ft.

DATUM.--Land-surface datum is 260 ft above sea level (from topographic map).

Measuring point: Air vent at pump base, 2.40 ft above land-surface datum.

PERIOD OF RECORD.--August 1959, January 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 131.54 ft below land-surface datum, Aug. 20, 1959,
lowest measured, 212.22 ft below land-surface datum, Sept. 27, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
---	---	---	---	FEB 24	202.19	APR 26	199.88	JUN 21	204.00	AUG 23	207.87
---	---	JAN 25	213.78	MAR 28	200.18	May 22	200.50	JUL 24	208.95	SEP 27	212.22

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
124MDEC	Moodys Branch Formation, Eocene
124CCKF	Cockfield Formation, Eocene
124SPRT	Sparta Sand, Eocene
124TLT	Tallahatta Formation, Eocene
124MUWX	Meridian-Upper Wilcox aquifer, Eocene
124WLCXM	Middle Wilcox aquifer, Eocene
124WLCXL	Lower Wilcox aquifer, Eocene
211RPLY	Ripley Formation, Upper Cretaceous
211COFF	Coffee Sand, Upper Cretaceous
211EUTW	Eutaw Formation, Upper Cretaceous
211EUTWR	Eutaw Formation (restricted), Upper Cretaceous
211EUTWL	Lower Eutaw Formation, Upper Cretaceous
211MCSN	McShan Formation, Upper Cretaceous
211GORD	Gordo Formation, Upper Cretaceous
211COKR	Coker Formation, Upper Cretaceous
211MSSV	Massive Sand, Upper Cretaceous
300PLZC	Paleozoic Erathem, Paleozoic
331TCMB	Tuscumbia Limestone, Upper Mississippian
337FRPN	Fort Payne Chert, Lower Mississippian

QUALITY OF GROUND WATER

273

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

ADAMS COUNTY

313414091224201 C050 CITY OF NATCHEZ

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	SAMPLE SOURCE	SAMPLER TYPE (CODE)	SAM-PLING CONDI-TION	SAM-PLING METHOD, CODES	WELL PURGING CONDI-TION (CODE)	
			(00027)	(72008)	(72004)	(72005)	(84164)	(72006)	(82398)	(84143)	
AUG 28...	1120	122CTHL	1028	864.00	60	26	4045	8.00	4045	170	
DATE		PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	
		(00095) (00400)	(00010)	(00080)	(00915)	(00925)	(00930)	(00935)	(90410)	(00945)	
AUG 28...	798	7.9	24.5	110	0.90	0.20	170	1.8	199	<0.20	
DATE		CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
		(00940)	(00950)	(00955)	(70300)	(00613)	(00631)	(00608)	(00671)	(01046)	(01056)
AUG 28...	130	2.0	50	500	0.010	<0.020	0.450	2.70	38	9	

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

COPIAH COUNTY

315228090082501 R029 RIVES & REYNOLDS

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE, INSTANTANEOUS (G/M) (00059)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	
DEC 08...	1045	122CTHL	1028	570.00	90	27	4040	8.00	4040	500	
DATE		PH WATER WHOLE FIELD (STANDARD (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	
DEC 08...	657	8.4	22.0	200	0.80	0.20	160	2.2	332	1.3	
DATE		CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P) (00671)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
DEC 08...	11	<0.10	28	418	0.010	<0.020	0.480	0.720	34	5	

QUALITY OF GROUND WATER

275

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

HARRISON COUNTY

302139089121001 0320 MISSISSIPPI GULF COAST COMMUNITY COLLEGE

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	SAMPLE SOURCE	SAMPLER TYPE (CODE)	SAM-PLING CONDI-TION	SAM-PLING METHOD, CODES	WELL PURGING CONDI-TION (CODE)	
			(00027)	(72008)	(72004)	(72005)	(84164)	(72006)	(82398)	(84143)	
JUN 06...	0915	122HBRG	1028	1860	55	27	4100	4.00	4100	11	
DATE		PH WATER WHOLE FIELD (STANDARD WATER UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM COBALT UNITS)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB AS CACO3	SULFATE DIS-SOLVED (MG/L AS SO4)	
		(US/CM) (00095)	(00400) (00010)	(00080) (00915)	(00925)	(00930)	(00935)	(90410)	(00945)		
JUN 06...	525	8.6	33.0	10	3.4	0.20	120	1.0	160	5.8	
DATE		CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
		(00940)	(00950)	(00955)	(70300)	(00613)	(00631)	(00608)	(00671)	(01046)	(01056)
JUN 06...	75	0.20	18	312	<0.010	<0.020	0.720	0.170	7	21	

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

ISSAQUENA COUNTY

323803091080201 F007 C E NEWMAN

						PUMP					
DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	FLOW RATE, INSTAN-TANEOUS (G/M)	OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	SAMPLE SOURCE	SAMPLER TYPE (CODE)	SAM-PLING CONDI-TION	SAM-PLING METHOD, CODES	WELL PURGING CONDI-TION (CODE)
			(00027)	(72008)	(00059)	(72004)	(72005)	(84164)	(72006)	(82398)	(84143)
JUN 27...	1520	124SPRT	1028	1448	10	20	28	4040	8.00	4040	110
DATE		SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
JUN 27...	728		8.9	28.5	100	0.90	0.10	170	1.0	354	2.1
DATE		CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
JUN 27...	9.1		0.50	16	436	<0.010	<0.020	0.570	0.430	110	8

323741090515301 F040 FRISBEE FLYING SERVICE

DATE	TIME	GEO-LOGIC UNIT	AGENCY	DEPTH	FLOW	PUMP	SAMPLE	SAMPLER	SAM-PLING	SAM-PLING	WELL
			COL-LECTING	OF	RATE,	OR FLOW					
			SAMPLE	WELL,	INSTAN-	PERIOD					
			(CODE	TOTAL	TANE- TANEOUS	TO SAM- PLING	SOURCE	TYPE	PLING	PLING	PURGING
			(NUMBER)	(FEET)	(G/M)	(MIN)	(72005)	(CODE)	CONDI- TION	METHOD, CODES	CONDI- TION
			(00027)	(72008)	(00059)	(72004)		(84164)	(72006)	(82398)	(84143)
JUN 27...	1400	124CCKF	1028	920.00	10	30	27	4040	8.00	4040	110
DATE			PH WATER WHOLE FIELD (STANDARD WATER (US/CM) (00095)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
JUN 27...		829	8.6	28.5	120	0.40	0.10	180	1.1	332	35
DATE			CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P) (00671)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
JUN 27...	29		0.80	14	490	0.010	<0.020	0.500	0.840	16	2

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

JACKSON COUNTY

302418088485801 N496 OCEAN SPRINGS SEAFOOD COMPANY

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	SAMPLE SOURCE	SAM- PLING CONDI- TION	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
AUG 30...	1400	122PCGL	28003	940.00	27	8.00	352	8.9	6.3

302155088431501 O074 JAMES GRIMSLEY

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	SAMPLE SOURCE	SAM- PLING CONDI- TION	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
AUG 30...	1400	122PCGL	28003	1395	27	4.00	2000	8.0	500

302251088385401 O156 CITY OF GAUTIER

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	SAMPLE SOURCE	SAM- PLING CONDI- TION	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
AUG 30...	0950	122PCGL	28003	760.00	27	8.00	1010	8.7	160

302539088430001 O197 ST ANDREWS WATER AND SEWER

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	SAMPLE SOURCE	SAM- PLING CONDI- TION	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
AUG 30...	1300	122PCGL	28003	628.00	27	8.00	613	9.1	42

302452088384901 O208 CITY OF GAUTIER

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	SAMPLE SOURCE	SAM- PLING CONDI- TION	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
AUG 30...	1045	122PCGL	28003	760.00	27	8.00	1100	8.6	190

302611088431201 O213 ST ANDREWS WATER AND SEWER

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	SAMPLE SOURCE	SAM- PLING CONDI- TION	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
AUG 30...	1330	122PCGL	28003	712.00	27	8.00	598	9.1	27

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

JACKSON COUNTY--Continued

302215088382501 0273 W W RICHARDSON

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	DEPTH OF WELL, TOTAL (FEET) (72008)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
AUG 30...	1200	121GRMF	28003	330.00	27	8.00	517	8.8	29

302304088393601 0300 CITY OF GAUTIER

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	DEPTH OF WELL, TOTAL (FEET) (72008)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
AUG 30...	1015	122PCGL	28003	596.00	27	8.00	656	8.7	43

302331088395601 0313 CITY OF GAUTIER

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	DEPTH OF WELL, TOTAL (FEET) (72008)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
AUG 30...	1030	122PCGL	28003	540.00	27	8.00	624	8.9	35

302149088340601 P108 JACKSON COUNTY PORT AUTHORITY

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE, INSTAN- TANEOUS (G/M) (00059)	PUMP OR FLOW PERIOD PRIOR TO SAM- PLING (MIN) (72004)	SAMPLE SOURCE (72005)
FEB 24...	1100	122PCGL	28003	783.00	700	30	27

DATE	SAM- PLING CONDI- TION (72006)	SAM- PLING METHOD, CODES (82398)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
FEB 24...	8.00	4040	1550	8.4	27.0	320

302134088330803 P124 CITY OF PASCAGOULA

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE, INSTAN- TANEOUS (G/M) (00059)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	SAM- PLING METHOD, CODES (82398)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
FEB 23...	1045	122PCGL	28003	801.00	400	27	8.00	40	1590	7.9	25.5	370

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

JACKSON COUNTY--Continued

302115088330404 P150 CITY OF PASCAGOULA

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	FLOW RATE, INSTAN- TANEOUS (G/M)	PUMP OR FLOW PERIOD PRIOR TO SAM- PLING (MIN)	SAMPLE SOURCE (72005)
FEB 24...	0945	122PCGL	28003	785.00	700	20	27
JUL 27...	0930	122PCGL	28003	785.00	--	--	27

DATE	SAM- PLING CONDI- TION (72006)	SAM- PLING METHOD, CODES (82398)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
FEB 24...	8.00	40	1640	8.6	26.0	360
JUL 27...	8.00	--	1680	8.4	--	340

302137088334501 P372 CITY OF PASCAGOULA

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	FLOW RATE, INSTAN- TANEOUS (G/M)	PUMP OR FLOW PERIOD PRIOR TO SAM- PLING (MIN)	SAMPLE SOURCE (72005)
FEB 23...	1030	121GRMF	28003	336.00	600	20	27
JUL 27...	0900	121GRMF	28003	336.00	--	--	27

DATE	SAM- PLING CONDI- TION (72006)	SAM- PLING METHOD, CODES (82398)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
FEB 23...	8.00	40	987	8.1	22.5	190
JUL 27...	8.00	--	1000	8.0	--	180

302428088325101 P382 CITY OF MOSS POINT

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	FLOW RATE, INSTAN- TANEOUS (G/M)	PUMP OR FLOW PERIOD PRIOR TO SAM- PLING (MIN)	SAMPLE SOURCE (72005)	SAM- PLING CONDI- TION (72006)	SAM- PLING METHOD, CODES (82398)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
FEB 22...	1500	122PCGL	28003	846.00	900	20	27	8.00	40	1000	26.0	160

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

JACKSON COUNTY--Continued

302007088342801 P430 US NAVY HOMEPORT

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	FLOW RATE, INSTANTANEOUS (G/M)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	SAMPLE SOURCE
			(00027)	(72008)	(00059)	(72004)	(72005)
FEB 22...	1600	121GRMF	28003	362.00	250	30	27
JUL 27...	1100	121GRMF	28003	362.00	--	--	27

DATE	SAM-PLING CONDI-TION	SAM-PLING METHOD, CODES	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD WATER UNITS)	TEMPER-ATURE (DEG C)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
	(72006)	(82398)	(00095)	(00400)	(00010)	(00940)
FEB 22...	8.00	40	713	--	23.0	110
JUL 27...	8.00	--	749	8.6	--	100

302104088292701 Q137 CHEVRON OIL COMPANY

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	FLOW RATE, INSTANTANEOUS (G/M)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	SAMPLE SOURCE
			(00027)	(72008)	(00059)	(72004)	(72005)
FEB 23...	0840	121GRMF	28003	387.00	600	30	27
AUG 30...	0930	121GRMF	28003	387.00	--	--	27

DATE	SAM-PLING CONDI-TION	SAM-PLING METHOD, CODES	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD WATER UNITS)	TEMPER-ATURE (DEG C)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
	(72006)	(82398)	(00095)	(00400)	(00010)	(00940)
FEB 23...	8.00	40	1020	--	23.5	160
AUG 30...	8.00	--	1070	8.3	--	150

302130088312901 Q180 CITY OF PASCAGOULA

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	FLOW RATE, INSTANTANEOUS (G/M)	SAMPLE SOURCE	SAM-PLING CONDI-TION	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD WATER UNITS)	TEMPER-ATURE (DEG C)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
			(00027)	(72008)	(00059)	(72005)	(72006)	(00095)	(00400)	(00010)	(00940)
FEB 23...	1130	122PCGL	28003	663.00	437	27	8.00	1430	8.6	26.0	270
JUL 27...	0830	122PCGL	28003	663.00	--	27	8.00	1450	8.4	--	270

302128088313101 Q181 CITY OF PASCAGOULA

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	FLOW RATE, INSTANTANEOUS (G/M)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	SAMPLE SOURCE	SAM-PLING CONDI-TION	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD WATER UNITS)	TEMPER-ATURE (DEG C)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
			(00027)	(72008)	(00059)	(72004)	(72005)	(72006)	(00095)	(00400)	(00010)	(00940)
FEB 23...	1105	122PCGL	28003	682.00	622	30	27	8.00	1780	8.4	25.5	400

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

JACKSON COUNTY--Continued

302247088302901 Q420 CITY OF PASCAGOULA

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING OF SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	FLOW RATE, INSTANTANEOUS (G/M)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	SAMPLE SOURCE	SAM-PLING CONDI-TION	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
FEB 23...	1145	121GRMF	28003	346.00	600	20	27	8.00	865	7.8	23.0	120

302736088260601 Q430 MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING OF SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	FLOW RATE, INSTANTANEOUS (G/M)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	SAMPLE SOURCE	SAM-PLING CONDI-TION	SAM-PLING METHOD, CODES	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
FEB 22...	1650	122PCGL	28003	577.00	25	30	27	8.00	4040	1300	21.0	230

302345088284401 Q445 JACKSON COUNTY PORT AUTHORITY

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING OF SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	FLOW RATE, INSTANTANEOUS (G/M)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	SAMPLE SOURCE	SAM-PLING CONDI-TION	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
FEB 24...	1030	121GRMF	28003	279.00	15	30	27	8.00	1130	8.2	22.5	180

302609088260801 Q456 JOHN HUDSON

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING OF SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	FLOW RATE, INSTANTANEOUS (G/M)	SAMPLE SOURCE	SAM-PLING CONDI-TION	SAM-PLING METHOD, CODES	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
FEB 23...	1350	122PCGL	28003	563.00	8.0	27	8.00	4040	1800	8.5	25.5	310
JUL 26...	1630	122PCGL	28003	563.00	--	27	4.00	--	1890	8.5	--	300

302629088251301 Q465 NORMAN SAKSA

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING OF SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	FLOW RATE, INSTANTANEOUS (G/M)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	SAMPLE SOURCE	SAM-PLING CONDI-TION	SAM-PLING METHOD, CODES	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
FEB 23...	1430	121GRMF	28003	339.00	6.0	30	27						
JUL 26...	1730	121GRMF	28003	339.00	--	--	27						

DATE	SAM-PLING CONDI-TION	SAM-PLING METHOD, CODES	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
FEB 23...	(72006)	(82398)	(00095)	(00400)	(00010)	(00940)
JUL 26...						

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

LINCOLN COUNTY

313710090282101 C063 BUTLERS PAINTING AND CONTRACTING COMPANY

DATE	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	SAMPLE SOURCE	SAMPLER TYPE (CODE)	SAM-PLING CONDI-TION	SAM-PLING METHOD, CODES	WELL PURGING CONDI-TION (CODE)	SODIUM, DIS-SOLVED (MG/L AS NA)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
		(00027)	(72008)	(72005)	(84164)	(72006)	(82398)	(84143)	(00930)	(00940)
OCT 13...	121CRNL	810	30.00	7	8010	2.00	8010	500	20	24

313644090281801 C064 MERRITT MECHANICAL AND ELECTRICAL COMPANY INCORPORATED

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	SAMPLE SOURCE	SAMPLER TYPE (CODE)	SAM-PLING CONDI-TION	SAM-PLING METHOD, CODES	WELL PURGING CONDI-TION (CODE)	SODIUM, DIS-SOLVED (MG/L AS NA)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
			(00027)	(72008)	(72005)	(84164)	(72006)	(82398)	(84143)	(00930)	(00940)
OCT 27...	1030	121CRNL	810	16.50	7	8010	2.00	8010	500	12	12

313809090275101 C065 NEW HOPE BAPTIST CHURCH

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	SAMPLE SOURCE	SAMPLER TYPE (CODE)	SAM-PLING CONDI-TION	SAM-PLING METHOD, CODES	WELL PURGING CONDI-TION (CODE)	SODIUM, DIS-SOLVED (MG/L AS NA)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
			(00027)	(72008)	(72005)	(84164)	(72006)	(82398)	(84143)	(00930)	(00940)
OCT 12...	1530	121CRNL	810	57.00	7	8010	2.00	8010	500	20	23

313735090281801 C066 MRS EUDELL MATHIS

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	SAMPLE SOURCE	SAMPLER TYPE (CODE)	SAM-PLING CONDI-TION	SAM-PLING METHOD, CODES	WELL PURGING CONDI-TION (CODE)	SODIUM, DIS-SOLVED (MG/L AS NA)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
			(00027)	(72008)	(72005)	(84164)	(72006)	(82398)	(84143)	(00930)	(00940)
OCT 25...	1430	121CRNL	810	26.00	7	8010	2.00	8010	500	16	19

313906090295701 C067 LOIS SMITH

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	SAMPLE SOURCE	SAMPLER TYPE (CODE)	SAM-PLING CONDI-TION	SAM-PLING METHOD, CODES	WELL PURGING CONDI-TION (CODE)	SODIUM, DIS-SOLVED (MG/L AS NA)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
			(00027)	(72008)	(72005)	(84164)	(72006)	(82398)	(84143)	(00930)	(00940)
OCT 24...	1430	121CRNL	810	45.00	7	8010	2.00	8010	500	22	24

313800090311401 C068 ODDEE SMITH

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	SAMPLE SOURCE	SAMPLER TYPE (CODE)	SAM-PLING CONDI-TION	SAM-PLING METHOD, CODES	WELL PURGING CONDI-TION (CODE)	SODIUM, DIS-SOLVED (MG/L AS NA)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
			(00027)	(72008)	(72005)	(84164)	(72006)	(82398)	(84143)	(00930)	(00940)
OCT 20...	0900	121CRNL	810	23.00	7	8010	2.00	8010	500	22	29

313734090310201 C069 MACEDONIA MISSIONARY BAPTIST CHURCH

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	SAMPLE SOURCE	SAMPLER TYPE (CODE)	SAM-PLING CONDI-TION	SAM-PLING METHOD, CODES	WELL PURGING CONDI-TION (CODE)	SODIUM, DIS-SOLVED (MG/L AS NA)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
			(00027)	(72008)	(72005)	(84164)	(72006)	(82398)	(84143)	(00930)	(00940)
OCT 20...	1400	121CRNL	810	30.00	7	8010	2.00	8010	500	23	42

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

LINCOLN COUNTY--Continued

313830090313601 C070 MARRY HENDERSON

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	DEPTH OF WELL, TOTAL (FEET) (72008)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)
NOV 07...	1600	121CRNL	810	67.00	7	8010	2.00

DATE	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
NOV 07...	8010	500	170	6.1	22.0	21	27

313531090293001 G385 BAILEY DUNAWAY

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	DEPTH OF WELL, TOTAL (FEET) (72008)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT 19...	1200	121CRNL	810	65.00	7	8010	2.00	8010	500	9.5	8.7

313533090291601 G386 BAILEY DUNAWAY

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	DEPTH OF WELL, TOTAL (FEET) (72008)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT 19...	1600	121CRNL	810	65.00	7	8010	2.00	8010	500	8.7	11

313520090292801 G387 BAILEY DUNAWAY

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	DEPTH OF WELL, TOTAL (FEET) (72008)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT 18...	1700	121CRNL	810	10.00	7	8010	2.00	8010	500	14	7.8

313505090292901 G388 BAILEY DUNAWAY

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	DEPTH OF WELL, TOTAL (FEET) (72008)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT 18...	1400	121CRNL	810	73.00	7	8010	2.00	8010	500	6.1	6.6

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

LINCOLN COUNTY--Continued

313543090315401 G389 ROBERT FALVEY

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	SAMPLE SOURCE	SAMPLER TYPE (CODE)	SAM-PLING CONDI-TION
			(00027)	(72008)	(72005)	(84164)	(72006)
NOV 03...	1230	121CRNL	810	45.00	7	8010	2.00

DATE	SAM-PLING METHOD, CODES	WELL PURGING CONDI-TION (CODE)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	SODIUM, DIS-SOLVED (MG/L AS NA)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
	(82398)	(84143)	(00095)	(00400)	(00010)	(00930)	(00940)
NOV 03...	8010	500	1100	6.1	23.0	160	230

313536090305701 G390 FLORABAMA ASSOCIATES INCORPORATED

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	SAMPLE SOURCE	SAMPLER TYPE (CODE)	SAM-PLING CONDI-TION
			(00027)	(72008)	(72005)	(84164)	(72006)
NOV 03...	0930	121CRNL	810	52.00	7	8010	2.00

DATE	SAM-PLING METHOD, CODES	WELL PURGING CONDI-TION (CODE)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	SODIUM, DIS-SOLVED (MG/L AS NA)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
	(82398)	(84143)	(00095)	(00400)	(00010)	(00930)	(00940)
NOV 03...	8010	500	194	6.0	23.0	28	30

313532090304301 G391 FLORABAMA ASSOCIATES INCORPORATED

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	SAMPLE SOURCE	SAMPLER TYPE (CODE)	SAM-PLING CONDI-TION	SAM-PLING METHOD, CODES	WELL PURGING CONDI-TION (CODE)	SODIUM, DIS-SOLVED (MG/L AS NA)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
			(00027)	(72008)	(72005)	(84164)	(72006)	(82398)	(84143)	(00930)	(00940)
OCT 26...	1030	121CRNL	810	36.00	7	8010	2.00	8010	500	190	400

313518090303001 G392 FLORABAMA ASSOCIATES INCORPORATED

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	SAMPLE SOURCE	SAMPLER TYPE (CODE)	SAM-PLING CONDI-TION	SAM-PLING METHOD, CODES	WELL PURGING CONDI-TION (CODE)	SODIUM, DIS-SOLVED (MG/L AS NA)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
			(00027)	(72008)	(72005)	(84164)	(72006)	(82398)	(84143)	(00930)	(00940)
OCT 26...	1630	121CRNL	810	50.00	7	8010	2.00	8010	500	9.6	9.6

313454090302701 G393 LINCOLN COUNTY SCHOOL BOARD

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	SAMPLE SOURCE	SAMPLER TYPE (CODE)	SAM-PLING CONDI-TION	SAM-PLING METHOD, CODES	WELL PURGING CONDI-TION (CODE)	SODIUM, DIS-SOLVED (MG/L AS NA)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
			(00027)	(72008)	(72005)	(84164)	(72006)	(82398)	(84143)	(00930)	(00940)
OCT 31...	1330	121CRNL	810	40.00	7	8010	2.00	8010	500	64	63

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

LINCOLN COUNTY--Continued

313444090302901 G394 LINCOLN COUNTY SCHOOL BOARD

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	DEPTH OF WELL, TOTAL (FEET) (72008)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM- PLING CONDI- TION (72006)
NOV 02...	1200	121CRNL	810	60.00	7	8010	2.00

DATE	SAM- PLING METHOD, CODES (82398)	WELL PURGING CONDI- TION (CODE) (84143)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
NOV 02...	8010	500	253	6.4	23.0	3700	9400

313429090304301 G395 LINCOLN COUNTY SCHOOL BOARD

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	DEPTH OF WELL, TOTAL (FEET) (72008)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM- PLING CONDI- TION (72006)
NOV 02...	1500	121CRNL	810	65.00	7	8010	2.00

DATE	SAM- PLING METHOD, CODES (82398)	WELL PURGING CONDI- TION (CODE) (84143)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
NOV 02...	8010	500	575	6.0	22.5	49	120

313418090304101 G396 LINCOLN COUNTY SCHOOL BOARD

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	DEPTH OF WELL, TOTAL (FEET) (72008)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM- PLING CONDI- TION (72006)
NOV 02...	1800	121CRNL	810	35.00	7	8010	2.00

DATE	SAM- PLING METHOD, CODES (82398)	WELL PURGING CONDI- TION (CODE) (84143)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
NOV 02...	8010	500	53	6.3	20.5	4.3	6.6

313448090310601 G397 ROBERT SARTIN

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	DEPTH OF WELL, TOTAL (FEET) (72008)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM- PLING CONDI- TION (72006)	SAM- PLING METHOD, CODES (82398)	WELL PURGING CONDI- TION (CODE) (84143)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
NOV 01...	1500	121CRNL	810	57.00	7	8010	2.00	8010	500	18	38

313411090313001 G398 ICC&G RAILROAD COMPANY

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	DEPTH OF WELL, TOTAL (FEET) (72008)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM- PLING CONDI- TION (72006)	SAM- PLING METHOD, CODES (82398)	WELL PURGING CONDI- TION (CODE) (84143)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
NOV 01...	1200	121CRNL	810	31.00	7	8010	2.00	8010	500	11	12

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
LINCOLN COUNTY--Continued

313354090315501 G399 CRUMP CHAPIE

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	DEPTH OF WELL, TOTAL (FEET) (72008)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM- PLING CONDI- TION (72006)	SAM- PLING METHOD, CODES (82398)	WELL PURGING CONDI- TION (84143)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT 17...	1700	121CRNL	810	80.00	7	8010	2.00	8010	500	17	23

313400090314501 G400 SMITH'S SAWMILL

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	DEPTH OF WELL, TOTAL (FEET) (72008)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM- PLING CONDI- TION (72006)
NOV 08...	1530	121CRNL	810	77.00	7	8010	2.00

DATE	SAM- PLING METHOD, CODES (82398)	WELL PURGING CONDI- TION (CODE) (84143)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
NOV 08...	8010	500	1230	5.8	21.5	140	330

313631090313601 G401 CHARLES SHELBY

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	DEPTH OF WELL, TOTAL (FEET) (72008)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM- PLING CONDI- TION (72006)
NOV 08...	0930	121CRNL	810	72.00	7	8010	2.00

DATE	SAM- PLING METHOD, CODES (82398)	WELL PURGING CONDI- TION (CODE) (84143)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
NOV 08...	8010	500	69	5.8	20.0	8.7	11

313309090315301 G402 BOB RICH

DATE	TIME	GEO- LOGIC UNIT	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	DEPTH OF WELL, TOTAL (FEET) (72008)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM- PLING CONDI- TION (72006)
NOV 09...	0900	121CRNL	810	75.00	7	8010	2.00

DATE	SAM- PLING METHOD, CODES (82398)	WELL PURGING CONDI- TION (CODE) (84143)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
NOV 09...	8010	500	156	6.2	22.5	21	24

QUALITY OF GROUND WATER

287

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

LINCOLN COUNTY--Continued

313524090292301 G403 BAILEY DUNAWAY

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE, INSTANTANEOUS (G/M) (00059)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)
DEC 08...	0830	121CRNL	810	110.00	10	30	27	4040

DATE	SAM-PLING CONDI-TION (72006)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD WATER UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	
DEC 08...			4040	110	55	5.7	19.5	5.1	7.2

313548090291401 G404 BAILEY DUNAWAY

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE, INSTANTANEOUS (G/M) (00059)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)
DEC 08...	0905	121CRNL	810	40.00	10	15	27	4040

DATE	SAM-PLING CONDI-TION (72006)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD WATER UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	
DEC 08...			4040	110	104	5.8	20.0	16	18

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

WASHINGTON COUNTY

332344091022101 D038 CITY OF GREENVILLE

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	SAMPLE SOURCE	SAMPLER TYPE (CODE)	SAM-PLING CONDI-TION	SAM-PLING METHOD, CODES
			(00027)	(72008)	(72005)	(84164)	(72006)	(82398)
OCT 18...	1130	124CCKF	28003	622.00	46	3070	8.00	8030
DATE	WELL PURGING CONDI-TION (CODE)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
		(00095)	(00400)	(00010)	(00080)	(00940)	(70300)	(00631)
OCT 18...	500	780	8.8	21.5	55	110	480	<0.020

332402091033601 D049 CITY OF GREENVILLE

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	SAMPLE SOURCE	SAMPLER TYPE (CODE)	SAM-PLING CONDI-TION
			(000027)	(72008)	(72004)	(72005)	(84164)	(72006)
OCT 18...	1030	124CCKF	28003	581.00	20	46	3070	8.00
DATE	SAMPLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
			(00095)	(00010)	(00080)	(00940)	(70300)	(00631)
OCT 18...	8030	160	690	21.0	50	73	441	0.040

332215091044301 D077 CITY OF GREENVILLE

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING	DEPTH OF WELL,	SAMPLE SOURCE	SAMPLER TYPE	SAM-PLING CONDI-TION	SAM-PLING METHOD,
			SAMPLE (CODE NUMBER)	(CODE)			(FEET)	(CODE)
			(00027)	(72008)	(72005)	(84164)	(72006)	(82398)
OCT 18...	1045	124CCKF	28003	475.00	46	3070	8.00	8030
DATE		WELL PURGING CONDI-TION	SPE-CIFIC CON-DUCT-ANCE	TEMPER-ATURE WATER	COLOR (PLAT-INUM-COBALT	CHLO-RIDE, DIS-SOLVED	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED	NITRO-GEN, NO2+NO3 DIS-SOLVED
		(CODE)	(US/CM)	(DEG C)	UNITS)	(MG/L AS CL)	(MG/L AS N)	(MG/L AS N)
		(84143)	(00095)	(00010)	(00080)	(00940)	(70300)	(00631)
OCT 18...	500	730	20.5	60	85	486	0.020	

332549091012301 D127 CITY OF GREENVILLE

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE)	SAM-PLING CONDI-TION (72006)	
			(00027)	(72008)	(72004)		(84164)	(72006)	
OCT 18...	1205	124CCKF	28003	496.00	15	46	3070	8.00	
DATE	TIME	SAMPLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
			(84143)	(00095)	(00400)	(00080)	(00940)	(70300)	(00631)
OCT 18...	8030	160	650	8.8	30	320	840	0.020	

QUALITY OF GROUND WATER

289

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

WASHINGTON COUNTY--Continued

332524090523901 E041 ELIZABETH WATER ASSOCIATION

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	DEPTH OF WELL, TOTAL (FEET) (72008)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)	SAM-PLING METHOD, CODES (82398)	
OCT 19...	1145	124CCKF	28003	522.00	46	3070	0.10	8030	
DATE		WELL PURGING CONDI-TION (CODE) (84143)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CHLO-RIDE, DIS-SOLVED (MG/L) AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) AS N) (70300)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L) AS N) (00631)
OCT 19...	500	890	7.1	22.5	50	82	562	<0.020	

331937091051401 G067 ERNEST WELLS

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	DEPTH OF WELL, TOTAL (FEET) (72008)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)	SAM-PLING METHOD, CODES (82398)	
OCT 18...	1425	124CCKF	28003	495.00	30	3070	0.11	8030	
DATE		WELL PURGING CONDI-TION (CODE) (84143)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CHLO-RIDE, DIS-SOLVED (MG/L) AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) AS N) (70300)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L) AS N) (00631)
OCT 18...	500	2450	8.4	20.5	35	630	1480	0.020	

331630091020601 G118 J H BURT

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	DEPTH OF WELL, TOTAL (FEET) (72008)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)	SAM-PLING METHOD, CODES (82398)
OCT 19...	1325	124CCKF	28003	260.00	15	27	3070	8.00	8030
DATE		WELL PURGING CONDI-TION (CODE) (84143)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CHLO-RIDE, DIS-SOLVED (MG/L) AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) AS N) (70300)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L) AS N) (00631)
OCT 19...	160	2350	7.5	20.0	<5	570	1440	0.290	

331755091022301 G164 WAYSIDE WATER ASSOCIATION

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	DEPTH OF WELL, TOTAL (FEET) (72008)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)	SAM-PLING METHOD, CODES (82398)	
OCT 18...	1625	124CCKF	28003	396.00	46	3070	0.10	8030	
DATE		WELL PURGING CONDI-TION (CODE) (84143)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CHLO-RIDE, DIS-SOLVED (MG/L) AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) AS N) (70300)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L) AS N) (00631)
OCT 18...	500	1120	8.7	20.5	120	220	709	<0.020	

WASHINGTON COUNTY--Continued

331951091065901 G172 VLASIC FOODS

DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	SAMPLE SOURCE	SAMPLER TYPE (CODE)	SAM-PLING CONDI-TION		
			(00027)	(72008)	(72005)	(84164)	(72006)		
OCT 18...	1335	124CCKF	28003	444.00	27	3070	8.00		
						SOLIDS, RESIDUE AT 180 DEG. C	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)		
DATE		SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	DEG. C SOLVED (MG/L) (70300)	(00631)		
OCT 18...		8030	500	30	100	841	0.090		
			331930091035201	G267 SWIFTWATER	WATER ASSOCIATION				
DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	SAMPLE SOURCE	SAMPLER TYPE (CODE)	SAM-PLING CONDI-TION	SAM-PLING METHOD, CODES (82398)	
OCT 18...	1735	124CCKF	28003	500.00	46	3070	0.10	8030	
DATE		WELL PURGING CONDI-TION (CODE) (84143)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L AS N) (00631)	
OCT 18...	500	690	8.6	21.5	40	81	475	<0.020	
			331755090571601	H154 AQUA FARMS					
DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	SAMPLE SOURCE	SAMPLER TYPE (CODE)	SAM-PLING CONDI-TION	SAM-PLING METHOD, CODES (82398)
OCT 21...	1020	124CCKF	28003	540.00	25	27	3070	0.10	8030
DATE		WELL PURGING CONDI-TION (CODE) (84143)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L AS N) (00631)	
OCT 21...	160	3080	8.4	21.5	25	810	1810	<0.020	
			331208091031201	K018 JAMES BAPTIST CHURCH					
DATE	TIME	GEO-LOGIC UNIT	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	DEPTH OF WELL, TOTAL (FEET)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	SAMPLE SOURCE	SAMPLER TYPE (CODE)	SAM-PLING CONDI-TION	SAM-PLING METHOD, CODES (82398)
OCT 19...	1415	124CCKF	28003	305.00	12	27	3070	0.11	8030
DATE		WELL PURGING CONDI-TION (CODE) (84143)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L AS N) (00631)	
OCT 19...	160	1130	8.8	20.5	120	590	740	0.040	

WASHINGTON COUNTY--Continued

331605091013701 K060 WAYSIDE WATER ASSOCIATION

OCT									
21...	160	1820	8.3	20.5	200	390	1140	0.020	

331607090584201 K092 BURNS AVIATION

OCT								
21...	160	2500	8.0	19.5	5	690	1510	<0.020

331248090514901 L030 W D ATTERBERRY

OCT								
19...	160	930	7.6	19.5	<5	110	594	0.020

331619090522201 L072 CITY OF ARCOLA

DATE	TIME	GEO-LOGIC UNIT	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	DEPTH OF WELL, TOTAL, (FEET) (72008)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CON-DITION (72006)	SAM-PLING METHOD, CODES (82398)
OCT 19...	1020	124CCKF	28003	400.00	46	3070	8.00	8030
DATE	WELL PURGING CON-DITION (CODE) (84143)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD) (UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT) (MG/L) (00080)	CHLO-RIDE, DIS-SOLVED (MG/L) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L) (AS N) (00631)
OCT 19...	500	790	9.0	25.0	50	17	471	<0.020

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CONVERSION FACTORS AND VERTICAL DATUM

Multiply	By	To obtain
<i>Length</i>		
inch (in.)	2.54×10^1	millimeter
	2.54×10^{-2}	meter
foot (ft)	3.048×10^{-1}	meter
mile (mi)	1.609×10^0	kilometer
<i>Area</i>		
acre	4.047×10^3	square meter
	4.047×10^{-1}	square hectometer
	4.047×10^{-3}	square kilometer
square mile (mi ²)	2.590×10^0	square kilometer
<i>Volume</i>		
gallon (gal)	3.785×10^0	liter
	3.785×10^0	cubic decimeter
	3.785×10^{-3}	cubic meter
million gallons (Mgal)	3.785×10^3	cubic meter
	3.785×10^{-3}	cubic hectometer
cubic foot (ft ³)	2.832×10^1	cubic decimeter
	2.832×10^{-2}	cubic meter
cubic-foot-per-second day [(ft ³ /s) d]	2.447×10^3	cubic meter
	2.447×10^{-3}	cubic hectometer
acre-foot (acre-ft)	1.233×10^3	cubic meter
	1.233×10^{-3}	cubic hectometer
	1.233×10^{-6}	cubic kilometer
<i>Flow</i>		
cubic foot per second (ft ³ /s)	2.832×10^1	liter per second
	2.832×10^1	cubic decimeter per second
	2.832×10^{-2}	cubic meter per second
gallon per minute (gal/min)	6.309×10^{-2}	liter per second
	6.309×10^{-2}	cubic decimeter per second
	6.309×10^{-5}	cubic meter per second
million gallons per day (Mgal/d)	4.381×10^1	cubic decimeter per second
	4.381×10^{-2}	cubic meter per second
<i>Mass</i>		
ton (short)	9.072×10^{-1}	megagram or metric ton

Sea level: In this report "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)—a geodetic datum derived from a general adjustment for the first-order level nets of both the United States and Canada, formerly called Sea Level Datum of 1929.

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